



UNC GREENSBORO

*One-Hundred-and-Twenty-Eighth
Annual University Catalog*

2019–20

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Academic Recovery Seminar (ARS)

ARS 100 Reclaim, Regain, and Recover 0

A self-guided online course to support students on academic probation in developing and applying constructive academic recovery behaviors and skills with the goal of restoring academic good standing at UNCG.

Prerequisites: Permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

ARS 100X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ARS 120 Academic Connections in Education 0

Students returning from academic suspension will create meaningful connections with UNCG faculty and staff; develop an understanding of university academic policy; identify academic and personal goals; and generate solutions for academic challenges.

Prerequisites: Written permission required. Restricted to students returning to or continuing at UNCG after academic suspension;

Notes: Grade: Pass/Not Pass (P/NP).

ARS 140 Academic Coaching in Transitions 0

Students returning from academic dismissal will identify and apply personal strengths toward utilizing University policies and resources, building academic support networks, and developing an individualized plan for academic recovery.

Prerequisites: Written permission required. Restricted to students returning to or continuing at UNCG after academic dismissal.

Accounting (ACC)

ACC 201 Financial Accounting 3

Introduction to external financial statements of organizations, emphasizing the use of accounting information in making investment and other decisions. Addresses ethical considerations and role of financial reporting in society.

Prerequisites: ISM 110 and any one of the following: MAT 115, MAT 120, MAT 150, MAT 151, MAT 191, MAT 292.

ACC 202 Managerial Accounting 3

Introduction to internal accounting and reporting of organizations, emphasizing the use of accounting information used by management and other decision makers within the organization.

Prerequisites: ACC 201 or ACC 218.

ACC 218 Financial Statement Preparation and Disclosures 3

First financial accounting course for students desiring to pursue upper division accounting courses. Includes coverage of basic financial statement preparation, time value of money concepts, and techniques for accounting valuations.

Prerequisites: ISM 110 and any one of the following: MAT 115, MAT 120, MAT 150, MAT 151, MAT 191, MAT 292.

Notes: Required entry course for all Accounting and Finance majors.

ACC 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ACC 318 Intermediate Accounting I 3

Focuses on the conceptual framework underlying financial reporting by business enterprises, the processes by which authoritative accounting guidelines are promulgated, and the preparation, presentation, interpretation, and use of financial statements.

Prerequisites: Grade of B- or better in ACC 201 and ACC 202. Grade of C or better in ECO 201.

ACC 319 Intermediate Accounting II 3

The second course in the two-course intermediate accounting sequence. Continues the examination of the preparation, presentation, interpretation, and use of financial statements.

Prerequisites: Grade of C or better in ACC 318.

ACC 325 Accounting Transaction Processing Systems 3

Designed to provide an understanding of a variety of accounting subsystems, systems analysis, and design issues reinforced through case studies.

Prerequisites: Grade of C or better in ACC 318.

ACC 330 Cost Accounting 3

Costs and cost accounting principles, costing systems, cost determination procedures; control and analytical practices for managerial decision-making.

Prerequisites: Grades of C or better in ACC 202 and ACC 318.

ACC 350 Internship in Accounting 3

This course provides students with an opportunity to apply accounting knowledge in a business environment and to gain a better understanding of the accounting profession.

Prerequisites: Grade of C or better in ACC 318. Accounting major; permission of internship coordinator.

ACC 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ACC 420 Federal Tax Concepts 3

Tax structure and tax principles. Accounting principles and procedures related to tax accounting. Application of tax and accounting principles to specific problems.

Prerequisites: Grade of C or better in ACC 318 or FIN 410.

ACC 440 Auditing Concepts 3

Concepts underlying audit process, procedures used in external auditing, statistical application, preparation of audit programs, and reports. Use of audit software to conduct control risk assessment and substantive tests.

Prerequisites: Grade of C or better in ACC 319 and ACC 325.

ACC 461 Governmental and Nonprofit Accounting 3

This course will introduce students to accounting and financial reporting for nonprofit organizations and governmental entities.

Prerequisites: ACC 319.

ACC 493 Honors Work 3-6

Prerequisite: 3.30 GPA in the major, 12 s.h. in the major

Notes: May be repeated for credit if the topic of study changes.

ACC 499 Independent Research in Accounting 1-3

Individual study of an issue or problem(s) in accounting of particular interest to the student. Student must arrange time and course requirements with instructor prior to registration.

Prerequisites: Accounting major, senior standing, and permission of Department Head.

Notes: May be repeated for credit with approval of Department Head.

ACC 561 Governmental and Nonprofit Accounting 3

This course will introduce students to accounting and financial reporting for nonprofit organizations and governmental entities.

Prerequisites: ACC 319.

ACC 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ACC 613 Directed Studies in Accounting 1-3

Individual study of an issue or problem of interest. Student must arrange topic and course requirements with instructor prior to registration.

Prerequisites: 12 hours of graduate level accounting courses or permission of instructor.

ACC 621 Accounting Internship 3

Combined academic and work components allow students to gain experience in the professional field of accounting. Course supervised by a graduate faculty member and appropriate personnel of the approved organization.

Prerequisites: Grade of C or better in ACC 318 and permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

ACC 630 Seminar in Contemporary Accounting Issues 3

Analysis, research, and presentation of current topics and issues relevant to professional accountants.

Prerequisites: Grade of B- or better in ACC 319.

ACC 631 Advanced Auditing 3

Ethics, reporting, law, statistics, and audit software; directed towards professional external and internal auditing.

Prerequisites: Grade of B- or better in ACC 440.

ACC 638 Information Technology Auditing and Accounting Data Analytics 3

Theory and practice of information technology auditing; computer based systems controls; data analytics models and methods focusing on accounting applications.

Prerequisites: Grade of B- or better in ACC 440.

ACC 642 Specialized Accounting Entities 3

Theory and practice associated with business combinations, consolidated financial statements, partnerships, international operations, bankruptcy and other accounting topics related to specialized accounting entities.

Prerequisites: Grade of B- or better in ACC 319.

ACC 646 Advanced Study in Business Environment and Concepts 1

An in-depth study and review of the underlying reasons for, and accounting implications of, business transactions. This course is only offered online.

Prerequisites: Grade of C or better in ACC 330 and permission of instructor or Program Director.

ACC 647 Advanced Study in Financial Accounting and Reporting 1

An in-depth study and review of the accounting and reporting represented on the four major financial statements.

Prerequisites: ACC 642 and permission of instructor or Program Director.

Notes: This course is only offered online.

ACC 648 Guided Study in Taxation & Business Law 1

An in-depth study and review of specialized current topics in tax and business law. This course is only offered online.

Prerequisites: ACC 655 and permission of instructor or Program Director.

Notes: This course is only offered online.

ACC 649 Advanced Study in Auditing and Attestation 1

This course provides an in-depth study and review of advanced specialized current topics in auditing and attestation.

Prerequisites: ACC 631 or ACC 638 and permission of instructor or Program Director.

Notes: This course is only offered online.

ACC 651 Introduction to Business Entity Taxation 3

The principles of entity taxation associated with corporations, S corporations, and partnerships. Focuses on a life-cycle approach of tax accounting for these tax entities recognized in the U.S., focusing on issues such as formation, operation, and distributions of corporations.

Prerequisites: Grade of B- or better in ACC 420 or permission of instructor.

ACC 652 Taxation of Estates, Gifts and Trusts 3

Principles and procedures involved in determining federal estate tax; tax planning using gifts and trusts.

Prerequisites: Grade of B- or better in ACC 420.

ACC 655 Taxation of Corporations and Shareholders 3

Federal taxation of business transactions affecting corporations and shareholders.

Prerequisites: ACC 651 or permission of instructor or Program Director.

ACC 656 Taxation of Flow-Through Business Entities 3

Federal taxation of business transactions affecting flow-through business entities, including partnerships, S corporations, limited liability companies and their owners.

Prerequisites: ACC 651 or permission of instructor or Program Director.

ACC 688 Advanced Business Law 3

Explores legal issues in contract and sales law, negotiable instruments, agency, and business associations and at the same time considers ethical and managerial issues involved when these legal issues arise.

Prerequisites: MGT 330 or permission of Program Director.

ACC 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

African Amrcn/African Diaspora (ADS)

ADS 200 African American Art History 3

The development of African American art placed within the context of mainstream American art and the history of the blacks in this country.

GE Core: GFA

ADS 201 Introduction to African American Studies 3

Introduction to African American culture through a historical and social perspective.

GE Core: GHP

LEC: GMO

ADS 210 Blacks in American Society: Social, Economic, and Political Perspectives 3

Social, political, economic experience of blacks in the United States. Topics include the black family, Civil Rights Movement, black politicians, and blacks in the labor market.

GE Core: GSB

ADS 260 Understanding Race 3

Race is among the most fundamental, yet profoundly misunderstood, aspects of socioculture. This course seeks to provide a comprehensive look at race, especially in its sociopolitical and biocultural dimensions.

GE Core: GSB

ADS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ADS 305 Special Topics in African American Studies 3

An in-depth study of a selected topic or topics in African American Studies involving directed reading and research.

Notes: May be repeated for credit when topic varies.

ADS 306 Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas 3

Special topics course explores the histories, cultures, politics, and societies of the African Diaspora across the Indian Ocean and Atlantic worlds.

Notes: May be repeated once for credit when topic varies.

ADS 310 The Portrayal of African Americans in Film 3

An examination of African American film roles as a reflector of America's perception of black character and behavior. Various film genres will be considered for insight into movie portrayals as social commentary.

ADS 315 Theories and Paradigms in African American Studies 3

A concentrated examination of the theories or systematic explanations of the social, cultural, and historical phenomena and/or experiences of African Americans.

Prerequisites: ADS 201 or ADS 210, or permission of instructor.

ADS 320 The African American Athlete 3

An examination of the lives and careers of African American athletes and their struggles to gain acceptance in both competitive and social settings.

ADS 325 Black Women in the U.S. 3

Explores the historical experiences of women of African descent in America through an evaluation of relevant literature, film, and/or music.

Prerequisites: ADS 201 and ADS 210 recommended.

ADS 330 Black Music as Cultural History: 1960-1980 3

African-American urban music from the 1960s and 1970s as cultural history and as a reflector of social, political, and economic movements of the era.

ADS 351 Race and Gender in Black Performance 3

Focus on the history of a relation between race and gender in Black performance as it relates to the enactment of and resistance to neocolonial, patriarchal control and captivity.

ADS 356 The Making of the African Diaspora 3

Explores the making of the African Diaspora in the Atlantic and Indian Ocean worlds through a combination of historical and ethnographic studies.

ADS 376 Africana Literature 3

Critical survey of literature written by people of Africa and the Diaspora and their cultures, ideas, and experiences from the eighteenth century to the present.

Prerequisites: Sophomore, junior, or senior standing .

ADS 400 Independent Study 1-3

Intensive independent study on special topics related to the African American experience.

Prerequisites: Permission of Director of African American Studies and faculty mentor.

ADS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ADS 410 Seminar in African American Studies 3

Capstone seminar on issues in African American Studies and their significance to American society and the world.

Prerequisites: Completion of 12 s.h. of AADS core requirements (ADS 201, ADS 210, ADS 356, ENG 374 or ENG 376, HIS 301 or HIS 302 or HIS 389). junior or senior status; AADS major status.

ADS 454 Independent Black Politics 19th Century 3

The origins, rise, and collapse of Black Populism, the independent black political movement between Reconstruction and the consolidation of Jim Crow, in the South.

ADS 492 Internship in African American Studies 1-6

Practical experience at sites serving populations of people of African descent. Two semester meetings with program director. Students must complete 8 to 15 hours per week at site.

Prerequisites: ADS 201 and ADS 210. ENG 374 or ENG 376; HIS 301 or HIS 302 or HIS 389; AADS major or minor. For AAD minors: ADS 201, ADS 210, and two AAD-related courses;

Notes: Interns must show 40 on-site hours each semester for each s.h. of credit sought. may be repeated a maximum of 3 times for course credit, but may not exceed 6 credit hours in total.

ADS 600 Independent Study 3

A supervised research project related to African American Studies at the graduate level.

ADS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ADS 610 African American Theoretical Perspectives 3

Historical and theoretical approaches to analyzing race, gender, and class as related to African Americans.

ADS 650 Topics in African American Gender Studies 3

Constructed gender identity of African Americans and intersections of race, gender, class, and sexuality. Politics of African American gender construction, historical notions of gender performance, and aspects of black sexuality.

ADS 652 Topics in Black Performance Studies 3

Implications of historical displays of Black people in relation to contemporary black performance, particularly as it involves a shift in bodies and terms.

ADS 653 Perspectives on the African American Experience 3

Investigates selected individuals, events, and social and cultural movements that have fundamentally shaped the course of African American advancement in mainstream society.

American Sign Language (ASL)

ASL 100X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ASL 101 Elementary American Sign Language I 3

Introduction to American Sign Language and the culture of the American Deaf Community. Emphasis on active comprehension and expression in culturally appropriate signs, and on applied vocabulary.

Notes: May not receive credit for both ASL 101 and SES 101. Students with previous knowledge of ASL are required to take the placement test. Students who are native or heritage ASL signers MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

ASL 102 Elementary American Sign Language II 3

Continued introduction to American Sign Language and the culture of the American Deaf Community. Emphasis on active comprehension and expression in culturally appropriate signs, and on applied vocabulary.

Prerequisites: ASL 101 or permission of instructor.

Notes: May not receive credit for both ASL 102 and SES 102. Students with previous knowledge of ASL are required to take the placement test. Students who are native or heritage ASL signers MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

ASL 200X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ASL 201 Directed Study in Applied Beginning American Sign Language 3

Intensive practice in applied beginning ASL. Active use of communicative language skills. Review and further study of basic ASL structures, vocabulary and study of cultural topics.

Prerequisites: Written permission.

Notes: This course is only open for transfer students with credit for ASL 101 and ASL 102 or institutional credit that is at least 5 years old or students with departmental permission.

ASL 203 Intermediate American Sign Language I 3

Development of intermediate American Sign Language and the continued study of American Deaf Community culture. Emphasis on active comprehension and expression in culturally appropriate signs, and on applied vocabulary.

Prerequisites: ASL 102 or permission of instructor.

Notes: May not receive credit for both ASL 203 and SES 203. Students with previous knowledge of ASL are required to take the placement test. Students who are native or heritage ASL signers MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

ASL 204 Intermediate American Sign Language II 3

Further development of intermediate American Sign Language and the continued study of American Deaf Community culture. Emphasis on active comprehension and expression in culturally appropriate signs, and on applied vocabulary.

LEC: GFL

Prerequisites: ASL 203 or permission of instructor or placement test.

Notes: Community lab hours required. May not receive credit for both ASL 204 and SES 204. Students with previous knowledge of ASL are required to take the placement test. Students who are native or heritage ASL signers **MUST** obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

ASL 245 Introduction to the Deaf Community 3

Introduction to the diverse members of the Deaf Community with emphasis on Deaf people as a linguistic and cultural minority. Focus is on historical, educational, political, social, and vocational issues.

Prerequisites: ASL 101 or permission of instructor.

Notes: May not receive credit for both ASL 245 and SES 245.

Anthropology (ATY)

ATY 100 Contemporary Non-Western Cultures 3

Survey of contemporary non-Western societies which emphasizes their distinctive cultural characteristics and how these relate to changes taking place in the world today.

GE Core: GSB

GE Marker: GN

ATY 212 Introduction to Anthropology 3

Survey of general anthropology. Includes an inquiry into human origins, prehistory, and comparative study of culture.

GE Core: GSB

GE Marker: GN

ATY 213 Introduction to Cultural Anthropology 3

Cultural anthropology attempts to stimulate interest in basic questions about human nature and human adaptation, including major theoretical approaches, the nature of field work, and an examination of selected topics.

GE Core: GSB

GE Marker: GN

Notes: Students cannot receive credit for both ATY 213 and HSS 138.

ATY 253 Introduction to Biological Anthropology 4

Lecture covering human biology from an evolutionary perspective. Topics include evolutionary theory, human variation, nonhuman primates, the fossil record, human osteology, molecular and population genetics.

GE Core: GNS

LEC: GLS

Corequisites: ATY 253L .

ATY 253L Introduction to Biological Anthropology Laboratory 0

Laboratory supporting ATY 253.

GE Core: GNS

Corequisites: ATY 253.

Notes: No grade is awarded with this course number. Grades are awarded with the lecture course.

ATY 258 Introduction to Archaeology 3

Development of culture from its Paleolithic beginnings through the rise of early civilizations.

GE Core: GSB

GE Marker: GN

ATY 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ATY 304 Anthropology through Film 3

An exploration, through documentaries, of the cultures, practices, tool technologies, and lifeways of various peoples around the world through the lens of anthropological themes and theory.

ATY 308 Lost Tribes and Sunken Lands 3

Using the scientific method and techniques from archaeology, students critically assess the evidence supporting popular myths such as sunken Atlantis, pyramid power, and extraterrestrial encounters.

GE Marker: GL

ATY 311 Reading Culture and Society 3

Examines key sociocultural issues through classic literary and cinematic works, emphasizing notions of modernity, the contemporary world, and the relationship they entertain; provides foundational reading and critical thinking skills.

Notes: Same as SOC 311.

ATY 312 The Anthropology of Children 3

A cross-cultural and evolutionary approach to the study of childhood from conception to adolescence that incorporates the five field perspective of anthropology.

ATY 315 World Ethnographies 3

Examines the primary genre and practice of cultural anthropology—ethnography—through a range of geographically and thematically diverse texts.

ATY 330 Cultures of North American Indians 3

Traditional ways of life of indigenous people of North America.

GE Marker: GN

ATY 331 Race and Human Diversity 3

Examines human biological diversity and the notion of "race" from a biocultural perspective.

ATY 333 Latin American Societies and Cultures 3

Tribal and peasant groups with special emphasis on their place in contemporary Latin America.

GE Marker: GN

ATY 334 Latin American Art and Archaeology 3

Explores the art, architecture, religious beliefs, technologies, and political organization of the Pre-Columbian societies of Mesoamerica and South America such as the Maya, Moche, Aztec, and Inca.

GE Core: GFA

GE Marker: GN

ATY 335 Cultures of Africa 3

Study of the peoples of Africa emphasizing family, organization, religion, political organization, languages, and urbanism. Includes a study of African novelists.

ATY 341 Paleolithic Archaeology 3

A survey of the archaeology of stone-tool-using peoples from the first Paleolithic cultures to the agricultural revolution.

Prerequisites: Junior or senior standing .

ATY 354 Modern Asia through its Music 3

Introduction to the musical traditions of Asia. Traditions are examined within their religious, philosophical and socio-political contexts allowing comparison of musical activity, concepts and sounds. No musical training required.

ATY 357 Monkeys, Apes, and Humans 3

An overview of primatology—the study of prosimians, monkeys, apes, and humans. Involves in-depth study of selected primates as well as discussion of major theoretical issues and ways in which the study of nonhuman primate behavior helps illuminate human evolutionary history.

ATY 359 Forensic Anthropology 3

Methods of recovery and analysis of human remains in medicolegal contexts, including human and nonhuman skeletal material, decomposition, crime scene recovery, and skeletal signs of age, sex, and trauma.

ATY 360 Methods in Archaeology 3

Analysis and evaluation of methods, theories, and concepts necessary for recovery and interpretation of cultural information about past societies relevant for anthropological goals. Includes issues of historiography, epistemology, and ethics.

ATY 361 Methods in Biological Anthropology 3

Provides students with an understanding of the basic research techniques utilized by physical anthropologists through hands-on experience and an introduction to the literature in the field.

Prerequisites: ATY 253 and ATY 253L.

ATY 362 Methods in Cultural Anthropology 3

This ethnographic methods course is designed to experience firsthand a variety of qualitative and quantitative methods in data collection and analysis traditionally used by cultural anthropologists.

ATY 363 History of Anthropological Theory 3

Developments in history of Western thought and study of culture leading to the emergence of anthropology as a scientific field.

Notes: Not open to freshmen.

ATY 369 Statistics for Anthropology 3

Validity and reliability, variables and constants, independence and dependence, scales, frequency distribution and graphs, variance of central tendency and dispersion, probability, hypothesis testing, difference between means, analysis of variance, comparison of samples, simple regression correlation analysis, and analysis of frequencies.

Prerequisites: Anthropology (ANTH) or Humanities (SPLS) major.

ATY 370 Historical Archaeology 3

This course applies a multidisciplinary approach to explore issues such as Transatlantic colonization, plantation life, urbanization, and global consumerism through historical archaeology methods and theories.

ATY 377 Disaster, Self, and Society 3

The anatomy of disasters examined from both anthropological and sociological perspectives. Case studies are presented through several conceptual lenses for clarifying individual, social, cultural, and political responses to catastrophic events.

Prerequisites: 3 s.h. of course work with a prefix of ATY or SOC or permission of instructor.

Notes: Same as SOC 377.

ATY 385 Language and Culture 3

A survey of verbal and non-verbal behavior cross-culturally. Emphasis on the use of language in the speech community, gestures, body language, expressive behavior, verbal art, and language learning.

GE Marker: GL

ATY 400 Cults and Conspiracy Theories 3

An anthropological survey of cults, brainwashing, conspiracies, conspiracy theories, and the process of identity construction, initiation, and cultural practice as socio-cultural phenomena.

ATY 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ATY 401 Witch Hunts and Legal Anthropology 3

A survey and exploration of the way that law produces culture and culture produces law through witch-hunts, European and American witch trials, and significant legal cases in American Law.

ATY 403 Selected Topics in Anthropology 3

Opportunity for advanced students to study in depth topic or issue of special interest.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

ATY 420 Economic Anthropology 3

An analysis of the economic organization of tribal and peasant peoples with special attention given to their participation in a world economy; emphasis is on economic models of social change.

ATY 423 Applying Archaeology in the Real World 3

Overview of theory and skills needed to work as an applied archaeologist in the public sector. Topics include cultural resource management and public outreach projects.

Notes: Open to sophomores, juniors, and seniors only.

ATY 424 Applying Anthropology in the Real World 3

Application of anthropological method and theory in situations of directed sociocultural change.

ATY 426 Food and Culture in a Global Context 3

Examines the linkages among food producers, marketing strategies, and natural resource use in different cultures, and explores the influence of agriculture on society and the environment.

ATY 434 Archaeology of South America 3

Survey of the archaeology of South America from earliest evidence of human habitation up to the arrival of the Spanish. Emphasis placed on the Andean area of western South America.

ATY 440 Colliding Worlds: Forming America 3

Historical archaeological approach documenting the American experience for immigrant, enslaved, and freed African, Chinese, Irish, and other workers who crossed the seas, contributing to American culture.

ATY 444 Archaeology of Power/Politics 3

This course examines complex political organizations and power relations since the emergence of inequality. Archaeological and historical examples will be compared to evaluate competing models of political development.

ATY 447 Myth, Magic, and Religion 3

Examination of sacred and secular beliefs in cross-cultural perspective. Emphasis on symbols, ritual, and their functions.

ATY 449 Gender Archaeology 3

Through material culture this course examines gender in prehistoric, classical, and historic societies as an integral aspect of human societies and the social relations in families, communities, and complex polities.

Notes: Open to sophomores, juniors, and seniors only.

ATY 450 Environmental Anthropology 3

This course examines various theoretical approaches to human adaptation and the environment. Various ecological perspectives are used to examine the larger questions of social justice, culture preservation, and resource access.

Notes: Not open to freshmen or sophomores.

ATY 453 Human Osteology 3

Detailed coverage of anatomical structures on bone and methods involving inventory, description, data collection, and analysis of human remains. Topics include functional and comparative skeletal anatomy, bone microstructure, and physiology.

Prerequisites: ATY 253 or BIO 105 or BIO 111 .

ATY 453L Human Osteology Lab 0

Laboratory supporting ATY 453.

Corequisites: ATY 453.

Notes: No grade is awarded with this course number. Grades are awarded with the lecture course.

ATY 455 Human Evolution 3

Biological and cultural evolution of humans from prehistoric forms.

Prerequisites: ATY 253 or BIO 105 or BIO 110.

Notes: Open to juniors and seniors only.

ATY 457 Primate Behavior 3

An overview of primatology and of methods for studying the behavior of prosimians, monkeys, and apes. Involves experience in data collection, computerized data analysis, and producing a scientific report.

Prerequisites: ATY 357 or ATY 361.

ATY 462 Archaeology of the Southeastern United States 3

Investigation of indigenous cultural development in North America from earliest Paleo-Indian evidence to the European Contact Period, with special emphasis on the archaeology of southeastern North America including North Carolina.

ATY 465 Medical Anthropology 3

Explores multiple causes of disease and cultural variation in health practices. Topics include culture and political ecologies of disease, ethnomedical systems, and healers in cross-cultural perspectives.

Notes: Not open to freshmen and sophomores.

ATY 475 Research Methods in Historical Archaeology 3

Advanced training in research methods in Historic Archaeology, involving on-site training in field, laboratory, and library components of Historic Archaeology.

Notes: Not open to freshmen and sophomores. Same as HIS 478.

ATY 477 Zooarchaeology 3

The identification and analysis of animal bones in archaeological contexts.

Prerequisites: ATY 258.

ATY 478 Field Methods in Archaeology 3

Methods, techniques, and theories of archaeological field investigation. Includes site survey, mapping, systematic sampling, and controlled excavation.

Prerequisites: Permission of instructor.

ATY 479 Analysis of Archaeological Data 3

Instruction on proper treatment of material recovered through archaeological investigation. Includes classification, statistical manipulation of data, seriation, and analysis of spatial and temporal dimensions. Attention to special analytical techniques (e.g., C14 dating, chemical analysis, faunal analysis) with stress on ecological interpretation.

Prerequisites: Permission of instructor.

ATY 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major; 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

ATY 495 Contemporary Issues in Anthropology 3

A capstone seminar focusing on current issues in anthropology, how they relate to the discipline, and their significance to anthropology's role in today's world.

Prerequisites: Open to Seniors only.

ATY 497 Special Problems in Anthropology 1-3

Opportunity for students to have directed instruction on problems of special interest.

Prerequisites: Permission of instructor.

ATY 498 Special Problems in Anthropology 1-3

Opportunity for students to have directed instruction on problems of special interest.

Prerequisites: Permission of instructor.

ATY 499 Internship in Anthropology 3

Faculty supervised practicum experience in an off campus setting. Host organization will provide the student with applied experience directly relevant to a specific subfield of anthropology.

Prerequisites: Permission of instructor .

ATY 501 Selected Topics in Anthropology 3

Opportunity for advanced students to study in depth topic or issue of special interest.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

ATY 595 Contemporary Issues in Anthropology 3

A capstone seminar focusing on current issues in anthropology, how they relate to the discipline, and their significance to anthropology's role in today's world.

Prerequisites: Open to Seniors only.

ATY 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ATY 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Apparel Product Design (APD)

APD 200 Fundamentals of Apparel Product Development 3

Introduction to fundamentals of apparel product development. Emphasis on identifying, utilizing and developing technical skills in apparel production.

Prerequisites: CARS major.

APD 244 Visual Communication for the Textile Products Industry 3

Survey of industry methods for communicating design concepts and presenting finished products. Emphasis is on use of media and development of techniques for rendering fabrics and textile product designs.

Prerequisites: Minimum grade of C (2.0) in CRS 242.

APD 251 Studio I: Garment Construction 3

An examination and evaluation of ready-to-wear apparel including terminologies, production techniques and price/quality relationships.

Prerequisites: Grade of C or better in APD 200.

APD 252 Studio II: Patternmaking and Draping 3

Introduction to the apparel design process. Introduction to basic flat pattern, draping, and fitting principles. Theories and methods in designing apparel for various target markets.

Prerequisites: Minimum grade of C (2.0) in APD 200, APD 251, CRS 211, CRS 242, and MAT 115.

APD 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

APD 310 Portfolio Development for Apparel Design 3

Development of a professional design portfolio that will emphasize investigation of specific apparel markets, target customers, seasons and fabrications, and various illustrative techniques.

Prerequisites: Minimum grade of C (2.0) in APD 244 and APD 252.

APD 341 Studio III: Advanced Patternmaking and Draping 3

Development of apparel designs by flat pattern and draping techniques and original design process.

Prerequisites: Minimum grade of C (2.0) in APD 252.

APD 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

APD 441 Computer Applications for Textile Products 3

Utilization of general graphics programs and CAD systems used extensively in the fashion industry to create digital presentation boards, fashion graphics, woven and print textile designs, and technical specification packages.

Prerequisites: ISM 110, grade of C (2.0) or better in APD 244 .

APD 443 Studio IV: Creative and Technical Design 3

Principles and methods of product design with an emphasis on creative and experimental approaches. Development of visual vocabulary and knowledge of trend prediction to generate design ideas. Use of diverse materials and structures for three-dimensional design.

Prerequisites: Minimum grade of C (2.0) in APD 244 and APD 341.

APD 452 Textile Products Production Management 3

Overview of management issues in textile product production including raw material selection and evaluation, computer integration, equipment selection, planning production, costing, and quality control. Several manufacturing systems are analyzed.

Prerequisites: Grade of C (2.0) or better in CRS 231 and CRS 312 .

APD 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Arabic (ARB)

ARB 100X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ARB 101 Beginning Arabic I 3

Introduction to Modern Standard Arabic and the cultures of the Arabic-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

Notes: Students with previous knowledge of Arabic are required to meet with a designated faculty member. Students who are native or heritage speakers of Arabic MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

ARB 102 Beginning Arabic II 3

Continued study of Modern Standard Arabic and the cultures of the Arabic-speaking world at the introductory level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

Prerequisites: ARB 101 or equivalent.

Notes: Students with previous knowledge of Arabic are required to meet with a designated faculty member. Students who are native or heritage speakers of Arabic MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

ARB 200X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ARB 203 Intermediate Arabic I 3

Intermediate-level study of Modern Standard Arabic and the cultures of the Arabic-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

LEC: GFL

Prerequisites: ARB 102 or equivalent.

Notes: Students with previous knowledge of Arabic are required to meet with a designated faculty member. Students who are native or heritage speakers of Arabic MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

ARB 204 Intermediate Arabic II 3

Continued study of the Modern Standard Arabic and the cultures of the Arabic-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

LEC: GFL

Prerequisites: ARB 203 or equivalent.

Notes: Students with previous knowledge of Arabic are required to meet with a designated faculty member. Students who are native or heritage speakers of Arabic MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

Archaeology (ARC)

ARC 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ARC 381 Study Abroad Experience in Archaeology 3

Students are immersed in a study abroad experience acquiring specific knowledge of local and regional archaeological sites and alternate methods and theoretical approaches to the discipline.

Prerequisites: Permission of Archaeology Program Director.

Notes: May be repeated for up to 9 credit hours (up to three different overseas archaeology courses, but at the 200-300 level equivalency only). ARC subject, SAB transferred credit hours, become ARC 381 credit hours with approval.

ARC 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ARC 493 Honors in Archaeology 3

Opportunity for qualified students to undertake an Honors Project in Archaeology.

Prerequisites: 3.30 GPA. 12 s.h. in the major, permission of instructor;

Notes: May be repeated for credit when topic varies, for up to 6 hours of credit.

ARC 498 Special Archaeological Research 1-3

Opportunity for Archaeology students to have directed instruction on problems of special archaeological interest.

Prerequisites: Permission of Archaeology Program Director.

Notes: May be repeated for credit when topic varies, for up to 3 hours of credit.

ARC 499 Internship in Archaeology 1-3

Opportunity for off-campus, high-impact experience in the community, such as in a museum setting, a cultural management firm, a heritage preservation program, a government agency, or a related non-profit.

Prerequisites: Permission of Archaeology Program Director.

Notes: May be repeated for credit when host/venue varies, for up to 9 hours of credit.

Art (ART)

ART 100 Introduction to Art 3

Intensive study of selected works of art with an emphasis on formal analysis and the relationship between art and culture.

GE Core: GFA

Notes: ART majors may not take this course for credit.

ART 105 Foundations Seminar 1

Becoming a successful student and great artist requires so much more than raw talent. This course connects the dots between creative, productive habits, scholarly pursuits, and professional planning.

Prerequisites: B.A. ART major with a concentration in Studio Art. or permission of instructor.

ART 120 Fundamentals of Drawing 3

Basic course in the practice and principles of drawing. Emphasis on working from observation with a wide variety of media and genres explored.

ART 123 Introduction to Visual Art Practices 3

This studio course introduces non-majors to traditional and contemporary visual art practices and relates these practices to broader cultural contexts external to visual art.

GE Core: GFA

ART 140 Foundation Design I 3

Basic course in fundamentals of design. Work in two and three dimensions.

ART 150 Three-Dimensional Foundations I 3

Fundamentals in three dimensional concepts of form, space, and structure.

ART 220 Intermediate Drawing 3

A continuation of the practices and principles of ART 120, with a greater emphasis on conceptual development.

Prerequisites: ART 120 .

ART 221 Life Drawing I 3

Figure drawing from the model.

Prerequisites: ART 220.

ART 222 The Artist's Sketchbook 3

An intermediate level investigation into the methodology of keeping an artist's sketchbook through practice, investigation of contemporary and historical examples, collaborative work, and on-site drawing.

Prerequisites: ART 120.

ART 232 Painting I 3

Basic course which uses observation as a vehicle for learning the fundamentals of oil painting.

Prerequisites: ART 120.

ART 240 Foundations Design 2 3

Through a series of studio projects, students are introduced to the computer as a design tool and art medium while exploring problems related to color, time, visual systems, and seriality.

Prerequisites: ART 140.

Corequisites: For Studio Art majors: ART 220, ART 253, and ARH 111.

ART 241 Design II 3

Introduction to the computer as a design tool and art medium. A variety of imaging applications introduced through design studio problems and visual problem solving.

Prerequisites: ART 140.

ART 253 Three-Dimensional Foundations II 3

Working from observation, students will increase their perceptual ability and skills through studio assignments. Emphasis on the comprehension of forms and structures in space.

Prerequisites: ART 150.

ART 276 Creative Space: The Meeting of Art and Entrepreneurship 3

Students develop self-employment skills with a focus on blending contemporary creative practices and entrepreneurship. Research and basic art skills are combined with entrepreneurship resulting in personal business models.

Prerequisites: ART or ENTR major.

Notes: Same as ENT 276.

ART 281 Ceramics I 3

Basic course with emphasis on hand-built forms.

ART 285 Photography I 3

Equipment and basic techniques of photography. Students must purchase film and papers. 35 MM camera required.

Prerequisites: ART 140, or permission of instructor .

ART 286 Digital Photography One 3

This course serves as an introduction to digital photography. The course will offer students an overview of digital photography focused on: Manual camera operations, digital workflow, and basic digital manipulations.

Prerequisites: ART 140.

ART 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ART 321 Life Drawing II 3

Continuation of ART 221.

Prerequisites: ART 221.

Notes: May be repeated once for credit.

ART 322 Variable Topics in Drawing 3

Practice and study of traditional and contemporary methods of drawing in a variety of media and genres.

Prerequisites: ART 221.

Notes: May be repeated once for a total of 6 semester hours.

ART 323 The Arts as Human Experience 3

An examination of the meaning of the arts experience, including its historical and personal significance. Includes reading and related work in art, dance, drama, and music.

Notes: Same as VPA 323, DCE 323.

ART 324 Screen Printing and Monoprint 3

Studio course emphasizing stencil based printing techniques merging hand made and photographic imagery.

Prerequisites: ART 220 and ART 240.

ART 326 Printmaking I 3

Introduction to Printmaking methods and concepts emphasizing multiple intaglio and relief techniques.

Prerequisites: ART 220 and ART 240.

ART 328 Printmaking II 3

Intermediate undergraduate studio course with emphasis on individual printmaking development.

Prerequisites: ART 326.

ART 329 Lithography 3

Planographic techniques as a printmaking medium.

Prerequisites: ART 220 and ART 240.

Notes: May be repeated once for credit.

ART 335 Painting II 3

Studio course with substantial work from the model. Emphasis on development of control of the medium for pictorial purposes.

Prerequisites: ART 232.

ART 337 Painting III 3

Studio course with work from the model and other subject matter; emphasis on control of pictorial elements and individual development.

Prerequisites: ART 335.

ART 340 Concepts in Time-based Media 3

Intermediate-level study of design fundamentals in time-based applications, with emphasis on cross application work and content.

Prerequisites: ART 140. ART 240 or ART 241.

ART 341 Letters, Signs, and Symbols 3

Letter forms, signs, and symbols as configurations for design study.

Prerequisites: ART 140 and ART 240 or ART 241.

ART 344 Digital Darkroom 3

Studio based study of photo-based imagery and digital imaging. In-depth study of Photoshop and complementary photo-based software.

Prerequisites: ART 140. ART 240 or ART 241; or permission of instructor.

ART 345 Introduction to Web Design 3

An introduction to the design on interfaces for the Web using HTML and CSS. The course also addresses the issues of fluid design in interactive media.

Prerequisites: ART 240 or ART 241.

ART 347 Color Theory 3

Major color theories and systems. Projects using properties of color in pigments, transparencies, and projected light.

Prerequisites: ART 140.

ART 349 Expanded Print Media 3

An inter-media course exploring traditional and digital print media in relation to studio process, multiplicity, dissemination, social architectures, and public engagement.

Prerequisites: ART 328. Studio Art major.

ART 353 Metal Casting 3

Basic course in casting metal as a sculpture medium. Theory and practice of mold-making and foundry processes.

Prerequisites: ART 253 or permission of instructor.

Notes: May be repeated for credit.

ART 354 Metal Sculpture 3

Studio course in non-cast metal sculpture techniques and concepts. Basic welding and fabrication of metal as a sculpture medium.

Prerequisites: ART 253.

ART 355 Sculpture I 3

Sculpture as a plastic idiom in creating forms in space. Emphasis on the development of individual expression.

Prerequisites: ART 253.

ART 356 Sculpture II 3

Advanced undergraduate work with emphasis on individual sculpture development.

Prerequisites: ART 355.

ART 373 Design Methods for the Crafts 3

Sources of and approaches to crafts design with materials such as wood, fiber, metal, and paper. Exploration of sources of design in natural and man-made worlds. Recommended for Art Education majors.

Prerequisites: ART 100 and ART 140. or permission of instructor.

ART 381 Ceramics II 3

Wheel-thrown forms; glazing and decorating techniques.

Prerequisites: ART 281 or permission of instructor.

ART 382 Ceramic Glaze Techniques 3

Glaze formulae; mixing and testing of glazes, glaze application, the care and operation of equipment.

Prerequisites: ART 281.

ART 384 Photojournalism and Documentary Photography 3

Course examines photojournalism and the documentary tradition. Students will explore a local story idea while learning new technical and visual skills essential to creating a cohesive visual narrative.

Prerequisites: ART 285 or permission of instructor.

Notes: May be repeated once for credit when the topic varies.

ART 385 Photography II 3

Special techniques including those used in research laboratories; work with special types of film. Students must purchase films and papers.

Prerequisites: ART 285 and ART 286, or permission of instructor.

ART 386 Studio Lighting for Photography 3

Advanced photographic study of studio lighting practices and techniques, both traditional and exploratory.

Prerequisites: ART 285, ART 385.

ART 387 Alternative Photographic Processes 3

Explores historical and alternative photographic processes, both digital and non-silver.

Prerequisites: ART 285.

ART 388 Photographic Interaction 3

Course expands the boundaries of image-making in still life, nature and human relationships. Includes advanced techniques in printing and sequencing images, including digital technology.

Prerequisites: ART 285 or permission of instructor.

ART 392 Typographic Practice 3

This introductory studio functions as a survey of typographic practice across media platforms. Students relate typographic form to reading conventions, expression, visual communication, and reproduction technologies.

Prerequisites: ART 341.

ART 393 Practicum/Internship in Art Careers 1-3

Practical experience for art majors for developing career goals and skills.

Prerequisites: Prior written approval of supervising instructor and department head, with written agreement of expectations from sponsor.

ART 394 Advanced Studio Practicum: Art and Entrepreneurship 3

Development and operation of student-run art studio offering services ranging from graphic design and photography to painting and sculpture. Emphasis on developing professional and entrepreneurial skills.

Prerequisites: Junior or senior standing.

Notes: Grade: Pass/Not Pass (P/NP). May be repeated once; Same as ENT 394.

ART 397 Digital Publications: The Coraddi 3

Working as a team, students develop and publish the Coraddi, a nationally recognized on-line arts and literature publication that has been the voice of UNCG students for 125 years.

Prerequisites: Art 240 and permission of instructor.

ART 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ART 420 Advanced Drawing 3

An advanced investigation of drawing through practice, conceptual development, in-class critique, and independent research into contemporary and historical drawing.

Prerequisites: ART 220, ART 221, ART 322.

ART 427 Printmaking and Drawing Capstone 3

Students make a body of self-directed work in preparation for the Senior BFA Exhibition. This includes preparation, documentation and installation of artwork.

Prerequisites: ART 322 or ART 328.

ART 428 Etching II 3

Continued development of etching techniques introduced in Etching I. Emphasis placed on supervised independent work consistent with students' personal artistic goals.

Prerequisites: ART 328.

ART 429 Lithography II 3

Continuation of ART 329 with additional emphasis on multi-color imagery and the integration of advanced lithographic processes in students' assignments.

Prerequisites: ART 120 or ART 140, and ART 329.

ART 441 Books and Images 3

Advanced studio investigation into digital publishing with an emphasis on print-based and electronic publication forms. Primary focus on unique and challenging artist's books and image-intensive works.

Prerequisites: ART 140, ART 240 or ART 241, and ART 341.

ART 442 Image Sequencing/Sequential Images 3

Advanced studio-based exploration of digital video, sound, and animation through a range of digital software. Study of nonlinear editing, narrative, and experimental approaches to motion graphics and video.

Prerequisites: ART 140, ART 240 or ART 241, and ART 340.

Notes: For advanced New Media and Design majors.

ART 443 Interactive Web Design 3

Development of Web graphics and interactive Web-based environments that demonstrate an understanding of navigation, usability, and functionality within a creative framework.

Prerequisites: ART 240 or ART 241, ART 345, or permission of instructor.

ART 445 Three-Dimensional Design 3

Three-dimensional modeling and animation. Development of three-dimensional systems as objects and environments.

Prerequisites: ART 140, ART 240 or ART 241, ART 340.

ART 446 Graphic Design 3

An advanced investigation into graphic design; typography, branding, and information architecture. Advanced execution of print, Web-based, and motion graphics.

Prerequisites: ART 140, ART 240 or ART 241, and ART 341.

ART 447 New Media and/or Design Capstone 3

Through independent and student-directed studio work and discipline-based writing and speaking intensive projects, students will engage in analytical discourse related to professional practice as a new media artist and designer in preparation to exhibit, present, and promote their work.

Prerequisites: ART major, New Media and Design concentration. ART 441 or ART 442 or ART 445 or ART 446 or ART 443.

ART 448 Variable Topics in New Media and Design 3

An advanced level New Media and Design course with a topical focus. Please check departmental listing for current description.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

ART 457 Site-Specific Sculpture 3

Provides opportunity to make site-specific sculptures; process of making work in the public arena from initial conception, interaction with jury committee to completed sculpture.

Prerequisites: ART 355 or permission of instructor.

ART 459 Sculpture and/or Ceramics Studio Capstone 3

Independent studio course with Speaking Intensive component. Students make a body of self-directed work in preparation for the Senior BFA Exhibition. This includes preparation, installation, documentation, and presentation of sculptures.

Prerequisites: ART 355, ART 356, and ART 481.

Notes: May be repeated once for credit with permission of instructor.

ART 481 Ceramics III 3

Advanced course in ceramics with emphasis on the entire ceramic process: preparation of clay body and glazes, forming, bisque and glaze firing.

Prerequisites: ART 281 and ART 381.

Notes: May be repeated three times for a total of 12 semester hours.

ART 482 Capstone Painting Studio and Practice Seminar 3

Through independent studio, discipline-based writing, and speaking projects, students will engage in analytical discourse related to museum exhibitions and lectures and in preparation to exhibit, present, and document their artwork.

Prerequisites: ART 120, ART 220, ART 221, ART 232, ART 321, ART 322, ART 335, and ART 337.

ART 485 Photography Professional Practices Studio Capstone 3

Emphasis upon the application of advanced tools and techniques, where independent research and creative studio practice is required.

Prerequisites: ART 285, ART 286 and two photography courses at the 300 level.

ART 487 Variable Topics in Photography 3

This advanced photographic studio course will focus on variable topics in photography.

Prerequisites: ART 385.

Notes: May be repeated once for credit when topic changes, for a total of 6 s.h.

ART 493 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

ART 496 Special Problems, Studio 3

Independent studio work adjusted to needs and interests of individual student.

Prerequisites: Prior approval of supervising instructor required.

ART 557 Site-Specific Sculpture 3

Provides opportunity to make site-specific sculptures; process of making work in the public arena from initial conception, interaction with jury committee to completed sculpture.

Prerequisites: ART 355 or permission of instructor.

ART 592 Professional Practices, Aesthetics, and Preparation for the Visual Artist 3

Emerging artists participate in their community and acquire the skills of career professionals. Students will engage in critical dialog related to gallery lectures, exhibitions, and symposia, and prepare to exhibit, present, and document their studio work.

Prerequisites: Graduate students: full time graduate status.
undergraduates: completion of 50 s.h. toward studio major or permission of instructor.

ART 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ART 610 Graduate Studio Seminar 3

Advanced work in visual art combining studio practice, seminar discussions of contemporary art texts and group critiques.

Prerequisites: Admitted to MFA in studio arts.

ART 622 Drawing Marathon 3

Four two-day sessions of intensive drawing from figure, interior, still life, and imagination using a variety of materials. Emphasis on longer periods of uninterrupted drawing.

Prerequisites: Admitted to MFA in studio arts or permission of instructor.

Notes: May be repeated for credit when topic varies.

ART 627 Lithography 3

Aesthetic and technical exploration of planographic methods in lithography.

Prerequisites: Admitted to MFA in studio arts or permission of instructor.

Notes: May be repeated for credit when topic varies.

ART 629 Studio Problems in Drawing, Painting, or Printmaking 3

Independent work in drawing, painting, or printmaking.

Prerequisites: Admission to candidacy and permission of instructor.

Notes: May be repeated for credit.

ART 635 Painting 6

Advanced practice and theory of painting with an inclusive interpretation of painting.

Prerequisites: Admitted to MFA in studio arts or permission of instructor.

Notes: May be repeated for credit.

ART 641 New and Expanded Media 6

Special studio topics in design ranging from digital photography to systems based art.

Notes: May be repeated for credit when topic varies.

ART 649 Studio Problems in New Media 3

Independent work in digital media or photography.

Prerequisites: Admission to candidacy and permission of instructor.

Notes: May be repeated for credit.

ART 657 Sculpture 6

Advanced work in sculpture.

Prerequisites: 6 semester hours undergraduate sculpture or a working knowledge of basic sculpture techniques and permission of instructor.

Notes: May be repeated for credit when topic varies.

ART 659 Studio Problems in Sculpture 3

Independent work in sculpture.

Prerequisites: Admission to candidacy and permission of instructor.

Notes: May be repeated for credit.

ART 682 Ceramics 6

Advanced work in ceramics.

Prerequisites: 6 semester hours of undergraduate ceramics or a working knowledge of basic ceramic techniques and permission of instructor.

Notes: May be repeated for credit when topic varies.

ART 685 Photography 6

Advanced work in photography.

Prerequisites: 6 studio hours in undergraduate photography or a working knowledge of photographic techniques or permission of instructor.

Notes: May be repeated for credit when topic varies.

ART 699 Thesis 1-6

Prerequisite: Third or fourth semester MFA candidate.

ART 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ART 801 Thesis Extension 1-3

Thesis Extension.

Art Education (ARE)

ARE 260 Art, Education, and Social Practice 3

This course is concerned with art's role(s) in community and explores the intersections between three major themes: contemporary art, educational theory and practice, and social and community engagement.

ARE 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ARE 360 Foundations of Art Education I 3

An introduction to the art theoretical and philosophical foundations for Art Education K-12. A field placement practicum in schools or other appropriate settings is included. A prerequisite for student teaching.

Prerequisites: Junior standing.

ARE 361 Foundations of Art Education II 3

Art media and curriculum foundation for Art Education K-12. Field placement practicum in schools or other appropriate settings.

Prerequisites: ARE 360. art education major; junior standing or permission of instructor.

ARE 363 Curriculum and Teaching Methods in the Elementary School 3

Aims and philosophy of art education in elementary school. Special section for art majors only offered in the fall.

Prerequisites: ARE 360 and admission to Teacher Education or permission of the Art Education Coordinator.

Notes: For art education majors only.

ARE 364 Practicum Service-Learning 3

Art Education students put ARE 363 theory into practice by planning and delivering art instruction, including an art exhibition, to 1–5 children under faculty supervision.

Prerequisites: ARE 360 and permission of instructor. B.F.A. Art Education majors only.

ARE 365 Curriculum and Teaching Methods in the Secondary School 3

Aims, philosophy, and curricula of art education in the secondary school; selection, preparation, and use of teaching materials.

Prerequisites: ARE 360 and admission to Teacher Education or permission of the Art Education Coordinator.

ARE 367 Child Art and Teaching 3

An introduction to the theoretical and philosophical foundations for Art Education (birth to middle school), including hands-on experience with school art media.

Prerequisites: Junior standing.

Notes: Not open to Art Education majors.

ARE 368 Research in Contemporary Issues in Art Education 3

Critical inquiry and analysis of topics and issues in contemporary art education and discussion of trends and educational policy fundamental to a foundation for research, theory development, and leadership.

Prerequisites: ARE 360. B.F.A. in Art Education major; and permission of instructor.

ARE 369 Internship: Leadership in Art Education 1-3

Internship with emphasis on meeting children's needs, while developing self, civic literacy, and leadership skills.

Prerequisites: B.F.A. ART major with Art Education concentration. permission of faculty coordinator based on internship proposal;

Notes: Grade: Pass/Not Pass (P/NP).

ARE 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ARE 465 Student Teaching 12

Supervised student teaching at the elementary or the secondary school level.

Prerequisites: Senior standing Art Education majors with permission of the Coordinator of Art Education. ARE 360, ARE 361, ARE 363, ARE 364, ARE 365, ARE 368, and ARE 369.

ARE 468 Teaching Practice and Curriculum in Art 3

Curriculum development for K–12 art teaching, professional theory, development, standards and guides for effective teaching, and observations of student's classroom practice.

Prerequisites: Admission to the Standard Professional I licensure program for Art K–12 and/or permission of the instructor.

Notes: Enrollment restricted to Standard Professional I teaching licensure students.

Art History (ARH)

ARH 110 Survey of Western Art: Prehistory-Renaissance 3

Chronological survey of significant works representing the primary visual traditions of Western art from the Paleolithic era to the year 1300.

GE Core: GFA

GE Marker: GL

ARH 111 Survey of Western Art: Renaissance-Contemporary 3

Chronological overview of primary traditions and trends in the history of Western art, fourteenth century to the twenty-first. Works of major artists in traditional and new media are included.

GE Core: GFA

GE Marker: GL

ARH 112 Survey of Non-Western Art 3

A survey of the visual arts in India, China, Japan, Mesoamerica, Africa, and/or the South Pacific.

GE Core: GFA

GE Marker: GN

ARH 210 The Art of Disney and Pixar 3

Chronological survey of the preproduction and production art of the Disney and Pixar studios with an introduction to the history of the animated film and cartoon.

ARH 211 Art and the African-American Presence 3

The thematic study of key works by artists of African heritage and from the Western canon that reflect and construct race as a crucial dimension of American culture.

ARH 219 Sophomore Seminar in Art History 3

Topic-based seminar in art history. Students acquire knowledge of current research and methodology on the selected topic, undertake related independent research, and present findings in oral and written forms.

Prerequisites: ART major with Art History concentration. ARH 110, ARH 111, and ARH 112.

ARH 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ARH 302 Roman Art 3

Chronological survey of the art of ancient Italy and the Roman Empire from ca. 1000 BC to the death of Constantine in AD 337.

Prerequisites: ART 100 or ARH 110 or permission of instructor.

ARH 310 Early Medieval and Byzantine Art 3

Art and architecture of Early Medieval Europe and the Byzantine East from ca. 300 to ca. 800.

Prerequisites: ART 100 or ARH 110 or permission of instructor.

ARH 311 Medieval and Romanesque Art 3

Art and architecture of Western Europe from ca. 800 to ca. 1160.

Prerequisites: ART 100 or ARH 110 or permission of instructor.

ARH 312 Gothic Art 3

Art in Europe from ca. 1160 to ca. 1400: architecture, sculpture, manuscript illumination, and mural painting.

Prerequisites: ART 100 or ARH 110 or permission of instructor .

ARH 321 Early Italian Renaissance Art, 1300-1480 3

Italian Art from 1300-1480 with particular focus on painting and sculpture in Florence.

Prerequisites: ART 100 or ARH 111 or ARH 395 or permission of instructor.

ARH 322 Art of the Italian High Renaissance and Maniera, 1480-1600 3

Italian art from 1480 to 1600 with a particular focus on painting and sculpture from Rome, Venice, and Florence.

Prerequisites: ART 100 or ARH 111 or ARH 321 or ARH 395 or permission of instructor.

ARH 340 European Art in the Eighteenth Century 3

A survey of European art media, practice, theory, and issues surrounding patronage during the century.

Prerequisites: ART 100 or ARH 111 or permission of instructor.

ARH 345 European Art in the Nineteenth Century 3

Painting, sculpture, and architecture from 1800 to 1900.

Prerequisites: ART 100 or ARH 111 or permission of instructor .

ARH 347 American Art 3

Historical development of art in the United States including the colonial period. Painting and architecture emphasized.

Prerequisites: ART 100 or ARH 111 or permission of instructor.

ARH 350 History of Photography 3

A lecture course in the exploration of the photographic image, how it was produced, how it has evolved, and the work of the photographers who make it an art.

Prerequisites: ART 100 or ARH 111 or permission of instructor .

ARH 351 Architecture in the Twentieth Century 3

The components of style, theory, structure, and material as embodied in the architecture of the century.

Prerequisites: ART 100 or ARH 111 or ARH 200 or permission of instructor .

ARH 352 Early Twentieth-Century Art 3

Painting, sculpture, architecture, and other media from 1900 to World War II.

Prerequisites: ART 100 or ARH 111 or permission of instructor .

ARH 353 Late Twentieth-Century Art 3

Traditional and new media in the last half of the century.

Prerequisites: ART 100 or ARH 111 or permission of instructor .

ARH 354 Art Since 2000 3

A global survey of traditional and new media art practices from the year 2000 to the present.

Prerequisites: ART 100 or ARH 111 or permission of instructor.

ARH 360 Women Artists of Disney and Pixar Animation 3

Study of the artistic production of women artists of the Walt Disney and Pixar Animation Studios.

Prerequisites: ARH 210 or permission of the instructor.

ARH 361 Art and Collaboration at Pixar 3

In-depth study of the collaborative process of Pixar Animation Studios, its dynamics, and the artwork produced within this process for the purposes of creating a feature-length film.

Prerequisites: ARH 210 or permission of the instructor.

ARH 370 African Art: Ancient Empires to Colonial Contact 3

Survey of the visual arts of Africa prior to and during colonialism. Divided into regional units stressing the religious and social functions of art and the dynamism of cultural change.

GE Marker: GN

Prerequisites: ART 100 or ARH 112 or permission of instructor.

ARH 372 African Art: Modern and Contemporary 3

Survey of the visual arts of Africa in the modern and contemporary periods. Course is divided into chronological units beginning with the multiple modernisms that emerged during the twentieth century and moving into the contemporary period.

Prerequisites: ART 100 or ARH 112 or ADS 200 or permission of instructor.

ARH 380 Introduction to Art Museum Studies 3

Introduces the functions of key art museum departments (Administration, Curatorial, Registration, Preparation/Installation, Education, Marketing, and Visitor Services/Security) and examines how they intersect to develop exhibitions, engage visitors, and build audiences.

Prerequisites: AAD 202 or ENT 202.

Notes: Same as AAD 380.

ARH 381 Intro to Art Museum Collections 3

For students interested in working in art museums. Topics include collection care, development, and utilization as well as museum organizational structures. Assignments include readings, discussions, lectures, and field trips.

Prerequisites: AAD 380/ARH 380.

Notes: Same as ARH 381.

ARH 390 Variable Topics in Art History 3

Variable topics in the history of art and its institutions.

Prerequisites: ART 110 or ARH 111 or ARH 112 or permission of instructor.

Notes: Students may repeat this course for credit for up to 6 credit hours, upon permission of instructor when topic varies.

ARH 395 Florence and the Medici 3

On-site study of art and architecture commissioned by the Medici between 1400 and 1621. Offered only during The Art of Italy program.

Prerequisites: Acceptance to The Art of Italy program. ART 100 or ARH 111 or permission of instructor.

ARH 400 Special Problems: Independent Study in Art History and Criticism 3

Directed program of reading and research.

Prerequisites: 15 s.h. of art history and criticism and approval of instructor .

ARH 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ARH 401 Special Problems: Internship in Museum Studies 3

Directed program of reading, research, or curatorial projects in the Weatherspoon Art Museum and other museums.

Prerequisites: 15 s.h. art history/criticism and approval of instructor.

Notes: May be repeated once for credit when topic varies.

ARH 405 Research Topics in Art 3

Topic-based seminar in art history and/or curatorial practices. Students acquire knowledge of current research on the selected topic, undertake related independent research, present findings in oral and written forms.

Prerequisites: 12 s.h. of art history above the 100 level including ARH 219, or permission of instructor .

ARH 411 Topics in the History of Art 3

Special topics in the history of art, ancient to contemporary.

Prerequisites: Completion of 15 or more undergraduate hours in Art History or graduate status in the Art Department or written permission of the instructor.

ARH 412 Historiography and Methodology 3

Case studies in the development of art history as a discipline and applied practice of methodologies developed for art-historical analysis.

Prerequisites: Graduate status in the Art Department, completion of 15 or more undergraduate hours in art history, or written permission of the instructor.

ARH 413 Perspectives in Contemporary Art 3

Seminar on artists whose work or writings have raised critical questions relevant to recent art. Open to MFA students and qualified undergraduates.

Prerequisites: Completion of 15 or more undergraduate hours in art history, graduate status in the Art Department, or written permission of the instructor.

ARH 414 Salon to Biennale and Beyond 3

A seminar on the development and transformation of art worlds and urban spaces with a specific focus on the development of Salons, Biennales, World's Fairs, and Art Fairs.

Prerequisites: Completion of 15 or more undergraduate hours in art history, graduate status in the Art Department, or written permission of the instructor.

ARH 490 Art Museums and Exhibition Spaces 3

A study of the diverse operations and institutional missions of art museums, including management, governance, development, collections management, education, and curatorial activities.

Prerequisites: Junior standing and permission of instructor.

ARH 493 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

ARH 500 Traditions of Art Criticism 3

A study of the major critical traditions from the Italian Renaissance to the present, aiming to define the role of criticism in the production and reception of works of art.

Prerequisites: Completion of 15 or more undergraduate hours in Art History or graduate status in the Art Department or written permission of the instructor.

ARH 501 Topics in the History of Art 3

Special topics in the history of art, ancient to contemporary.

Prerequisites: Completion of 15 or more undergraduate hours in Art History or graduate status in the Art Department or written permission of the instructor.

ARH 503 Perspectives in Contemporary Art 3

Seminar on artists whose work or writings have raised critical questions relevant to recent art. Open to MFA students and qualified undergraduates.

Prerequisites: Completion of 15 or more undergraduate hours in art history, graduate status in the Art Department, or written permission of the instructor.

ARH 504 Salon to Biennale and Beyond 3

A seminar on the development and transformation of art worlds and urban spaces with a specific focus on the development of Salons, Biennales, World's Fairs, and Art Fairs.

Prerequisites: Completion of 15 or more undergraduate hours in art history, graduate status in the Art Department, or written permission of the instructor.

ARH 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ARH 601 Public Art 3

Study of traditional monuments, such as the pyramids, Michelangelo's David, and recent large-scale works, including the Vietnam Memorial, with attention to questions of site, scale, purpose, and audience.

ARH 619 Research Problems in Art History, Art Criticism 3

Independent research in art history or criticism. May be repeated for credit.

ARH 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Arts Administration (AAD)

AAD 202 Arts Admin and Entrepreneurship 3

Introduces foundational skills for successful management, launching and growth of arts organizations. Topics include strategy, organizational structure, new venture launch, entrepreneurship, market analysis, marketing, fundraising and audience engagement.

Notes: Same as ENT 202.

AAD 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

AAD 301 Arts Management 3

Introduction to arts management for nonprofit arts organizations and arts businesses. Topics include strategy, management and leadership principles, marketing, fundraising, and financial management.

Prerequisites: AAD 202/ENT 202.

AAD 310 Managing and Leading in the Arts 3

Students will learn about their own work style and best practices of leading and managing people and teams in the specific context of arts and creative organizations.

Prerequisites: AAD/ENT 202 Arts Administration or permission of instructor.

AAD 320 Arts Marketing 3

Marketing, sales and public relations strategy, planning and tactics for arts organizations and businesses.

Prerequisites: AAD 202/ENT 202 or permission of instructor.

AAD 321 Fundraising in the Arts 3

Fundraising strategy, planning and tactics for arts organizations including grant research and writing, solicitation and donor retention tactics.

Prerequisites: AAD 202/ENT 202 or permission of instructor.

AAD 380 Introduction to Art Museum Studies 3

Introduces the functions of key art museum departments (Administration, Curatorial, Registration, Preparation/Installation, Education, Marketing, and Visitor Services/Security) and examines how they intersect to develop exhibitions, engage visitors, and build audiences.

Prerequisites: AAD 202 or ENT 202.

Notes: Same as ARH 380.

AAD 381 Intro to Art Museum Collections 3

For students interested in working in art museums. Topics include collection care, development, and utilization as well as museum organizational structures. Assignments include readings, discussions, lectures, and field trips.

Prerequisites: AAD 380/ARH 380.

Notes: AAD 381 same as ARH 381.

AAD 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

AAD 450 Careers in Arts Administration 2

Career paths and career planning for students entering the arts administration field.

Prerequisites: AAD 202/ENT 202 and AAD 301. Arts Administration majors or minors only or permission of instructor.

AAD 455 Arts and Entrepreneurship: Career Strategies for Artists 3

Overview of professional performing arts career management tools. Students learn the basics of applying entrepreneurship skills and strategies to starting and sustaining an arts-related business.

Prerequisites: ARAD, DANC, DRAM, MEDU, MUSI, or PRFM major. or permission of instructor;

Notes: Same as DCE 455, ENT 455.

AAD 475 Independent Study 1-3

Independent directed study or research in arts administration with faculty supervision in area of special interest.

Prerequisites: AAD 202/ENT 202 and AAD 301. Arts Administration major or minor AND permission of instructor.

AAD 478 Variable Topics in Arts Administration 1-3

Advanced level arts administration course with a topical focus.

Prerequisites: AAD 202/ENT 202.

Notes: May be repeated for up to 12 credits total.

AAD 493 Honors Work 3-6

Independent study course as required for Disciplinary Honors in Arts Administration. Student will complete Senior Honors Project.

Prerequisites: AAD 202/ENT 202 and AAD 301. Junior or senior Arts Administration major; Permission of instructor; Permission of Honors College; 3.30 GPA in the major; 12 s.h. completed in the major;

Notes: May be repeated for up to 6 credit hours.

AAD 498 Internship in Arts Administration and Entrepreneurship 3

Supervised work experience pre-approved that requires regularly scheduled hours in an entrepreneurial arts organization. The course meets online throughout the semester and requires reading, writing, and oral communication assignments.

Prerequisites: Permission of Instructor.

Notes: Same as ENT 498.

AAD 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Astronomy (AST)

AST 233 Astronomy: The Solar System 3

Introductory study of the Sun and planets with special attention to results of recent planetary exploration missions. Telescopic and naked-eye observations of the planets and constellations included. Complements AST 235, although each course is independent of the other. No science or math background beyond the level of high school algebra required.

GE Core: GNS

LEC: GPS

AST 235 Astronomy: Stars and Galaxies 3

Introduction to stars, galaxies, and cosmology. Conceptual approach to topics including the evolution of stars, formation of galaxies, interstellar communication, and the Big Bang. Sky observations with UNCG telescopes included. Complements AST 233, although each course is independent of the other. No science or math background beyond the level of high school algebra required.

GE Core: GNS

LEC: GPS

AST 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

AST 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

AST 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

AST 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Biology (BIO)

BIO 100 Orientation to the Biology Major 1

Introduction to the Biology major at UNCG. What it means to be a Biology major at UNCG, in our community, and as a career.

BIO 105 Major Concepts of Biology 3

Introduction to major concepts in biology. Topic sections emphasize specific areas including conservation biology, biotechnology, and current issues. Survey sections emphasize basic aspects of biology, including genetics, physiology and ecology.

GE Core: GNS

LEC: GLS

Notes: For students not planning to take additional biology courses.

Students who have prior credit for BIO 111, BIO 112 may not take BIO 105 for credit.

BIO 105L Major Concepts of Biology Laboratory 1

Designed to acquaint non-science majors with the process of scientific inquiry and major ideas in biology, including function of cells, the human body, mechanisms of heredity, ecology, and evolution. Online sections must have previously passed or be concurrently enrolled in online lecture.

GE Core: GNS

LEC: GLS

BIO 111 Principles of Biology I 3

Prerequisite for most other biology courses and includes laboratory. Lecture covers the fundamental principles of biology including the molecular and cellular basis of life, genetics, and biotechnology.

Prerequisite or

GE Core: GNS

LEC: GLS

Corequisites: BIO 111L.

Notes: May not be taken more than twice.

BIO 111L Principles of Biology I Laboratory 1

Laboratory supporting BIO 111. Prerequisite or

Corequisites: BIO 111.

BIO 112 Principles of Biology II 3

Prerequisite for 300-level courses and above. This course includes laboratory. Fundamental principles of biology including botany, zoology, evolution, and ecology. A passing grade in lecture and laboratory must be achieved for successful completion of this course. Prerequisite or

GE Core: GNS

LEC: GLS

Corequisites: BIO 112L.

BIO 112L Principles of Biology II Laboratory 1

Laboratory supporting BIO 112. Prerequisite or

Corequisites: BIO 112.

BIO 113 Principles of Biology Laboratory 1

Basic laboratory practices and fundamental principles of biology including molecular and cellular basis of life, genetics, and biotechnology.

Prerequisites: BIO 110.

BIO 271 Human Anatomy 3

Human anatomy with study of skeletons, models, and anatomical preparations. Includes dissection of cat.

Prerequisites: A grade of C- or better in BIO 110 or BIO 111 and BIO 111L.

Prerequisite or

Corequisites: BIO 271L.

Notes: May not be taken more than twice.

BIO 271L Human Anatomy Laboratory 1

Laboratory supporting BIO 271. Prerequisite or

Corequisites: BIO 271.

BIO 277 Human Physiology 3

Human physiology with emphasis on homeostatic mechanisms.

Prerequisites: A grade of C- or better in BIO 110 or BIO 111 and BIO 111L and high school chemistry with grade of C or better. Prerequisite or

Corequisites: BIO 277L.

Notes: May not be taken more than twice.

BIO 277L Human Physiology Laboratory 1

Laboratory supporting BIO 277. Prerequisite or

Corequisites: BIO 277.

BIO 280 Fundamentals of Microbiology 3

General survey of microscopic life and its impact on medicine, public health, and the environment. Includes laboratory work with bacteria, emphasizing aseptic technique.

Prerequisites: A grade of C- or better in BIO 110 or BIO 111 and BIO 111L, and successful completion of either BIO 271 or BIO 277. Prerequisite or

Corequisite: BIO 280L;

Notes: Students cannot receive credit for both this course and BIO 481. May not be taken more than twice.

BIO 280L Fundamentals of Microbiology Laboratory 1

Laboratory supporting BIO 280. Prerequisite or

Corequisites: BIO 280.

BIO 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

BIO 301 Principles of Ecology 3

Introduction to fundamentals of ecology. Principles relating to populations, communities and ecosystems. Particular emphasis placed on the many dimensions of interdependence within ecosystems.

Prerequisites: Minimum grade of C- in both BIO 111 and BIO 112.

Notes: May not be taken more than twice.

BIO 315 Ecology and Evolution Laboratory 2

This course is designed to help students understand, via hands-on activities, how species and populations evolve and how species and individuals interact with one another and with their environment.

Prerequisites: Either BIO 301 or BIO 330.

Corequisites: If not completed as a prerequisite, either BIO 301 or BIO 330.

BIO 330 Evolution 3

Fundamental principles of evolutionary biology, including processes and patterns of biological evolution and an overview of the historical and contemporary biodiversity resulting from evolution.

Prerequisites: Minimum grade of C- in both BIO 111 and BIO 112.

BIO 355 Cell Biology 3,4

Study of cellular organization and function. Fundamental biochemical properties, including cellular components, enzyme function, energetics, and metabolism studied in relation to cellular structure, membrane function, cell movement, and cytoplasmic compartments.

Prerequisites: Minimum grade of C- in both BIO 111 and BIO 112.

CHE 114 (or equivalent);

Notes: May not be taken more than twice.

BIO 361 Biology and Conservation of Sea Turtles 3

Students spend 2 weeks in July/August in Tortuguero, Costa Rica assisting with tagging and collecting data on nesting turtles. Seminar and N.C. field trip in spring.

Prerequisites: Minimum grade of C- in both BIO 111 and BIO 112 and permission of instructor.

Notes: May not be taken more than twice. Travel fees involved; see instructor for details.

BIO 375 Cell Biology and Genetics Laboratory 2

Laboratory and online course that integrates modern genetic, cellular, and molecular techniques and methods to understand the concept of the gene to phenotype in biology and human health.

Prerequisites: Either BIO 355 or BIO 392.

Corequisites: If not completed as a prerequisite, either BIO 355 or BIO 392.

BIO 392 Genetics 3

Mendelism and modern trends in genetics.

Prerequisites: Minimum grade of C- in both BIO 111 and BIO 112.

Notes: May not be taken more than twice.

BIO 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

BIO 401 Advanced Topics in Animal Ecology 3

Directed readings in the literature of physiological ecology, growth and regulation of populations, community structure, energy flow, mineral cycling, and other areas of current research interest.

Prerequisites: Permission of instructor.

BIO 402 Advanced Topics in Animal Physiology 3

Study of physiological mechanisms; selected problems from current literature.

Prerequisites: Permission of instructor.

BIO 406 Advanced Topics in Genetics 3

Basic mechanisms of gene action in microbes, animals, and plants.

Prerequisites: Permission of instructor.

BIO 407 Advanced Topics in Neurobiology 3

Directed readings on fundamental physiological principles of nervous system functioning. Topics may include motor pattern generation, sensory transduction, sensori-motor integration, neurohormonal modulation of behavior.

Prerequisites: Permission of instructor.

BIO 409 Advanced Topics in Microbiology 3

Critical review of current research covering a wide range of topics including infectious diseases, bacterial physiology, marine microbiology, and immunology. Focus on students' interests or needs.

Prerequisites: Permission of instructor.

BIO 410 Advanced Topics in Plant Ecology 3

Studies of special terrestrial communities or plant groups.

Prerequisites: Permission of instructor.

BIO 418 Computational Biology 3

The class will introduce concepts and methods to analyze biological data including DNA sequence data, genome assembly and annotation, DNA sequence comparison, phylogeny construction and protein structure analyses.

Prerequisites: BIO 330 and BIO 392.

BIO 419 Introduction to Nanotechnology 3

This course introduces students to the emerging field of nanotechnology and exposes them to current research and topics that are being influenced by nanomaterials including biology, healthcare, and the environment.

Prerequisites: BIO 392, BIO 355, CHE 342, CHE 351, or permission of instructor.

Notes: Same as NAN 419.

BIO 420 Marine Biology 3

An introduction to marine organisms and their habitats; special attention given to adaptations necessary for marine life, physical oceanography, and basic ecological principles; one weekend coastal field trip is required.

Prerequisites: One of BIO 301, BIO 330, BIO 355, or BIO 392.

BIO 421 Ecosystem Ecology and Biogeochemistry 3

Introduction to ecosystem function, structure, and dynamics; basic ecosystem theories; discussions of key processes governing energy flow and nutrient cycling; comparison of ecosystems; selected original literature.

Prerequisites: BIO 301 or permission of instructor.

BIO 422 Plant Diversity 4

Introduction to plant, fungi, and protista kingdoms. Emphasis is on structure, reproduction, and life cycles of the organisms.

Prerequisites: BIO 330 or BIO 301 or BIO 392.

Notes: Passing grade in lecture must be achieved for successful completion of this course. May not be taken more than twice.

BIO 422L Plant Diversity Lab 0

Introduction to plant, fungi, and protista kingdoms. Emphasis is on structure, reproduction, and life cycles of the organisms. Passing grade in lecture must be achieved for successful completion of course. NOTE: Students cannot receive credit for both BIO 322 and BIO 422. (LAB)

BIO 423 Landscape Ecology Laboratory 1

Field labs to observe different landscape structures and conduct course projects for comprehending principles of landscape ecology. Students will use computer labs for GIS basics, landscape analyses.

Prerequisites: BIO 301.

Corequisites: BIO 427.

BIO 424 Plant Physiology and Biotechnology 3

Physiological processes involved in plant growth spanning effects from the molecular to the environmental level. Laboratories will utilize biotechnological manipulations of the model plant *Arabidopsis*.

Prerequisites: BIO 355.

BIO 425 Biological Clocks 3

Descriptive survey of behavioral and physiological rhythms in humans and other animals, including circadian, tidal, lunar, seasonal and circannual cycles, with ecological considerations and implications for human health.

Prerequisites: One of BIO 301, BIO 330, BIO 355, BIO 392.

BIO 426 Conservation Biology 3

Introduction to habitat and species conservation; topics include genetic diversity, demographic patterns of rare species, habitat fragmentation, design and management of nature reserves, ecological restoration.

Prerequisites: BIO 301 and BIO 392. STA 271 recommended.

BIO 427 Landscape Ecology 3

Introduction to patch-corridor-matrix structure of landscapes and their impact on ecological processes. Discussion of landscape indices, spatial heterogeneity, current issues, and general approaches in landscape ecology.

Prerequisites: BIO 301. STA 271; recommended

Corequisites: BIO 423.

BIO 428 Microbial Ecology 3

Emphasis on current areas of active research with reference to applied problems.

Prerequisites: BIO 280 or BIO 481, or permission of instructor.

BIO 429 Aquatic Ecology 3

The study of the geology, physics, chemistry, and ecology of lakes, including reservoirs and streams with comparisons to the ocean.

Prerequisites: BIO 301 and CHE 114, or permission of instructor.

BIO 431 The Biosphere 3

A study of environmental issues in biology, specifically ecosystems, population dynamics, biodiversity and extinction.

Prerequisites: BIO 301.

BIO 432 Aquatic Ecology Laboratory 1

Practical study of water chemistry methods, lake and stream morphometry, identification of freshwater zooplankton, benthic invertebrates and fish, and field trips to area reservoirs and streams.

Prerequisites: BIO 301.

Corequisites: BIO 429.

BIO 435 Biochemistry: Metabolic Regulation in Health and Disease 3

Chemical properties of major cellular compounds; biosynthesis, degradation, and function of carbohydrates, lipids, proteins, nucleic acids, vitamins, and hormones; energy metabolism; enzymatic catalysis.

Prerequisites: BIO 355 and BIO 392, or permission of instructor.

BIO 436 Biology of Aging 3

An integrative look at biological theory and mechanisms to explain the diversity of the aging process, including human implications.

Prerequisites: BIO 301, BIO 355, BIO 392, or permission of instructor.

BIO 437 Human Evolutionary Genetics 3

Study of primary literature testing hypotheses about human ancestry and evolution using molecular genetic methods.

Prerequisites: BIO 330 and BIO 392. or permission of instructor.

BIO 438 Animal Behavior 3

Application of theory of evolution to the explanation of animal behavior. Surveys a variety of species, addressing several behavioral categories as well as issues in sociobiology and human evolution.

Prerequisites: PSY 121 and PSY 230. or minimum grade of C- in both BIO 111 and BIO 112;

Notes: Students cannot receive credit for both this course and BIO 439 or PSY 438 or PSY 438L. Same as PSY 438.

BIO 441 Invertebrate Zoology 3

Major invertebrate groups with emphasis on their phylogenetic relationships, ecology, physiology, evolution, and structural adaptations of representative types. Weekend coastal field trip may be required.

Prerequisites: BIO 330.

Notes: Includes a laboratory component. May not be taken more than twice; Students cannot receive credit for both BIO 341 and BIO 441.

BIO 441L Invertebrate Zoology Laboratory 1

Major invertebrate groups with emphasis on their phylogenetic relationships, ecology, physiology, evolution, and structural adaptations of representative types. Weekend coastal field trip may be required.

Prerequisite or

Corequisites: BIO 441.

Notes: Students cannot receive credit for both BIO 341 and BIO 441.

BIO 442 Genes and Signals 3

Investigates the regulation of gene expression in bacteria, yeast, and higher eukaryotes, and explores how such regulatory systems have evolved.

Prerequisites: BIO 355 and BIO 392.

BIO 443 Biophysics 3

Introduction to cellular biophysics, with emphasis on the physical properties of membranes, including membrane transport mechanisms and electrical properties of membranes.

Prerequisites: BIO 355, CHE 114, MAT 191, and either PHY 211 with PHY 212 or PHY 291 with PHY 292. or permission of instructor;

Notes: Same as PHY 443.

BIO 444 Entomology 3

A theoretical and practical overview of the insect orders, selected topics of insect behavior, ecology, and evolution, and an introduction to human-insect interactions. BIO 392 and BIO 441 recommended.

BIO 449 Current Topics in Biology 1-3

Advanced topics courses in the biological sciences. Topics vary with instructor.

Prerequisites: Minimum grade of C- in both BIO 111 and BIO 112 and permission of instructor.

BIO 449C Current Topics in Biology: Neuron / Behavior 1-3

Advanced topics courses in the biological sciences. Topics vary with instructor.

BIO 451 Vascular Plant Systematics 4

Principles, methods, and the history of systematic biology are covered in the context of vascular plant classification and evolution.

Prerequisites: BIO 330 or BIO 301 or BIO 392.

Corequisites: BIO 451L.

Notes: Passing grade in lecture must be achieved for successful completion of this course. May not be taken more than twice.

BIO 451L Vascular Plant Systematics Lab 0

Principles, methods and the history of systematic biology are covered in the context of vascular plant classification and evolution. Passing grade in lecture must be achieved for successful completion of course. (LAB)

BIO 452 Metamorphosis 3

Readings, discussions, and oral presentations of current literature on metamorphosis in animals, mechanisms controlling metamorphosis, evolution of complex life cycles, and adaptations to differing habitats.

Prerequisites: Three courses selected from BIO 301, BIO 322, BIO 341, BIO 355, BIO 370, BIO 392. or permission of instructor.

BIO 453 Vertebrate Morphogenesis 3

Vertebrate development focused on cellular and molecular mechanisms of induction, differentiation, and morphogenetic processes that give rise to the adult body plan. Laboratory includes study of vertebrate embryos and adult specimens.

BIO 453L Vertebrate Morphogenesis Laboratory 1

Laboratory supporting BIO 453. Prerequisite or

Corequisites: BIO 453.

BIO 455 Vertebrate Reproduction 3

An advanced treatment of the diversity of vertebrate reproductive biology, with emphasis on structural, regulatory, behavioral, and evolutionary aspects.

Prerequisites: One of BIO 277, BIO 425, BIO 453, BIO 464, BIO 470, or BIO 477.

BIO 460 Symbiosis 3

An advanced treatment of the diversity of vertebrate reproductive biology, with emphasis on structural, regulatory, behavioral, and evolutionary aspects.

Prerequisites: One of BIO 277, BIO 425, BIO 453, BIO 464, BIO 470, or BIO 477.

BIO 464 Developmental Biology 3

A survey of developmental processes in plants and animals. Topics will include fertilization, achievement of multicellularity, cell determination and differentiation, pattern development, and the genetic regulation of such processes.

Prerequisites: C (2.0) or better in BIO 355 and BIO 392.

BIO 464L Developmental Biology Laboratory 1

Laboratory supporting BIO 464. Prerequisite or

Corequisites: BIO 464.

BIO 470 Vertebrate Zoology 3

Evolution of major vertebrate groups with emphasis on morphology, ecology, and behavior. Comparisons of vertebrates in the laboratory through dissections and field work.

Prerequisites: BIO 330.

Notes: May not be taken more than twice. Students cannot receive credit for both BIO 370 and BIO 470.

BIO 470L Vertebrate Zoology Laboratory 1

Laboratory supporting BIO 470. Prerequisite or

Corequisites: BIO 470.

BIO 472 Histology 3

Microscopic anatomy of vertebrate tissues. Emphasis on correlation of cell and tissue functions with structures visible under the light and electron microscopes.

Prerequisites: BIO 355. Prerequisite or

Corequisites: BIO 472L.

BIO 472L Histology Laboratory 1

Laboratory supporting BIO 472. Prerequisite or

Corequisites: BIO 472.

BIO 473 Drugs and the Brain 3

Pharmacology of major neurotransmitter systems in the brain and nervous system. Actions of clinically relevant drugs on these systems will be analyzed along with major drugs of abuse.

Prerequisites: BIO 355, and one of the following: BIO 277, BIO 477, BIO 479, PSY 230. or permission of instructor;

Notes: CHE 351 recommended.

BIO 474 Workshops in Biotechnology 1

Individual, intensive four-week workshops focused on specific techniques in biotechnology. Provides hands-on experience designing and implementing a focused project utilizing current methods and bioinformatics.

Prerequisites: BIO 494 or permission of instructor.

Notes: May be repeated for credit as long as letter suffix of course differs: workshops of a given letter may be taken only once.

BIO 476 Population Genetics and Molecular Evolution 3

Application of population genetic and molecular evolutionary theory to the study of natural history, natural selection, genome variation and organization, human evolution, conservation biology, and forensics.

Prerequisites: BIO 330 and BIO 392. or permission of instructor.

BIO 478 Hormones in Action 3

Hormonal signaling in humans and other animals is examined using developmental, physiological, behavioral, cellular, and molecular perspectives, with special emphasis on the adrenal glands and the gonads.

Prerequisites: BIO 355 and BIO 392.

BIO 479 Neurobiology 3

Survey of major integrative mechanisms used by nervous systems from invertebrates to humans. Synaptic transmission, sensory processing and activity of neural circuitry controlling behavior will be analyzed.

Prerequisites: BIO 355.

Notes: PHY 212 or PHY 292 recommended.

BIO 479L Neurobiology Laboratory 1

Computer-based laboratory exercises to complement BIO 479 lecture material, including intracellular and extracellular recording simulations.

Prerequisites: Pr. or Coreq.: BIO 479.

Notes: PHY 212 or PHY 292 recommended.

BIO 480 Environmental Physiology 3

Lectures, discussions, and student presentations on the physiology of animals as it is influenced by and is adapted to environmental conditions.

Prerequisites: BIO 355 and either BIO 277 or BIO 477.

BIO 481 General Microbiology 3

Introductory survey of microbiology, emphasizing the role of microorganisms in everyday life.

Prerequisites: BIO 301, BIO 355, and BIO 392, or permission of instructor. Prerequisite or

Corequisites: BIO 481L.

BIO 481L General Microbiology Laboratory 1

Laboratory supporting BIO 481. Prerequisite or

Corequisites: BIO 481.

BIO 482 Molecular Biological Approaches in Research 1

Use of novel molecular approaches to address current questions in the life sciences will be explored by analyzing recent research reports and learning the principles underlying these approaches.

Prerequisites: BIO 392.

Notes: May be repeated for a total of 3 s.h. credit.

BIO 485 Virology 3

Selected topics in virology. Emphasis upon new trends in the study of animal, plant, and bacterial viruses at both molecular and cellular levels.

Prerequisites: BIO 355 and BIO 392. or permission of instructor.

BIO 486 Cell Cycle and Cancer 3

Molecular basis of cell division and cancer examined through lectures and discussions of primary literature. Topics include cell cycle control, genomic stability, carcinogenesis, and cancer genetics.

Prerequisites: BIO 355 and BIO 392, or permission of instructor.

BIO 487 Epigenetics 3

Study of epigenetic mechanisms involved in chromatin structure, DNA and histone modifications, gene expression, dosage compensation, imprinting, heterochromatin structure, stem cell differentiation, development, human disease, and environmental-gene interactions.

Prerequisites: BIO 355 and BIO 392.

BIO 488 Essentials of Toxicology 3

This course is designed to introduce undergraduate students to the fundamentals of toxicology and serve as the key introductory course for students who require a background in toxicology.

Prerequisites: Grade of C- or better in BIO 111, BIO 112, BIO 301 and BIO 355, or permission of instructor.

BIO 490 Introduction to Mathematical Models in Biology 3

Exploration of research and methodology at the interface of mathematics and biology, with an overview of relevant fields and in-depth case studies. Focus will be on mathematical models in biology.

Prerequisites: Minimum grade of C- in BIO 111 and minimum grade of B- in BIO 112 and either MAT 191 or STA 271. or permission of instructor;

Notes: Same as MAT 460.

BIO 492 Genetics of Complex Traits 3

Theory, experimental methods, and analysis related to the genetic basis for variation in complex traits, including quantitative and threshold traits in animals and plants, and complex human diseases.

Prerequisites: BIO 392 or permission of the instructor.

BIO 493 Honors Work 3-6

Honors Work. A maximum of 6 (six) s.h. of any combination of 493, 496, 497, and 499 allowed.

BIO 494 Introduction to Biotechnology 4

Introduction to the principles and techniques of biotechnology. Includes molecular cloning, DNA sequencing, and gene expression. Explores topics such as gene amplification, gene therapy, and DNA fingerprinting.

Prerequisites: BIO 392 and BIO 375.

BIO 495 Advanced Genetics 3

Selected topics in genetics at an advanced level. Emphasis placed on comparative view of molecular mechanisms underlying animal and plant development.

Prerequisites: BIO 392.

BIO 496 Science Pedagogy for Learning Assistants 1

Students learn about current research in science pedagogy in a weekly seminar and apply their knowledge to support active learning and inquiry as in-class learning assistants in a biology course.

Prerequisites: Permission of instructor.

Notes: May be repeated once for a total of 2 s.h.. A maximum of 6 s.h. total of any combination of BIO 493, BIO 496, BIO 497, or BIO 499 may be counted toward the BIOL major.

BIO 497 Internship in Biology 1-3

Students work at site outside University for a minimum of 45–135 hours under direction of faculty and on-site supervisor. Times vary. Prior approval required. A maximum of 6 (six) s.h. of any combination of 493, 496, 497, and 499 allowed.

BIO 499 Undergraduate Research 1-3

Biological research under the direction of a faculty member, culminating in a written report. Research will include laboratory and/or field work and/or directed readings of the literature. Times by arrangement. A maximum of 6 (six) s.h. of any combination of 493, 496, 497, and 499 allowed.

BIO 519 Introduction to Nanotechnology 3

This course introduces students to the emerging field of nanotechnology and exposes them to current research and topics that are being influenced by nanomaterials including biology, healthcare, and the environment.

Prerequisites: BIO 111 or CHE 111.

Notes: Same as NAN 519.

BIO 600 Introduction to Graduate Studies 1

Training in research ethics and oral-visual communication. Topics include plagiarism, experimental design, statistical interpretation, conflicts of interest, animal safety, authorship, peer review, and scientific presentations.

Prerequisites: Biology graduate student or permission of instructor.

BIO 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

BIO 601 Seminar in Animal Ecology 3

Literature of animal ecology including both classical and recent papers. Using student presentations and class discussions, the ontogeny of some overarching ecological themes are explored.

Prerequisites: BIO 301.

BIO 605 Seminar in Ecology 3

Broad view of ecological literature and in-depth studies of selected aspects of population and community ecology.

Prerequisites: Previous course in ecology.

BIO 609 Seminar in Molecular Cell Biology 3

Topics in cell and molecular biology will be reviewed through discussion of research journal articles. Emphasis on modern experimental techniques and approaches.

Prerequisites: BIO 355.

BIO 610 Seminar in Molecular Genetics 3

Recent advances in molecular genetics, reinforcing basic concepts underlying these developments and understanding their impact on the life sciences.

Prerequisites: BIO 355 and BIO 392.

BIO 611 Advanced Topics in Animal Ecology 3

Directed readings in the literature of physiological ecology, growth and regulation of populations, community structure, energy flow, mineral cycling, and other areas of current research interest.

Prerequisites: Permission of instructor.

BIO 614 Prenatal Development: Embryology and Teratology 3

Human embryological development with emphasis on normal and abnormal development. Issues in teratology and birth defects, clinical problems associated with birth defects and their means of prevention.

Prerequisites: Enrollment in MS genetic counseling program or permission of instructor.

BIO 615 Advanced Topics in Animal Physiology 3

Study of physiological mechanisms; selected problems from current literature.

Prerequisites: Permission of instructor.

BIO 617 Advanced Topics in Genetics 3

Basic mechanisms of gene action in microbes, animals, and plants.

Prerequisites: Permission of instructor.

BIO 618 Computational Biology 3

The class will introduce concepts and methods to analyze biological data including DNA sequence data, genome assembly and annotation, DNA sequence comparison, phylogeny construction and protein structure analyses.

Prerequisites: BIO 330 and BIO 392.

BIO 620 Ecosystem Ecology and Biogeochemistry 3

Introduction to ecosystem function, structure, and dynamics; basic ecosystem theories; discussions of key processes governing energy flow and nutrient cycling; comparison of ecosystems; selected original literature.

Prerequisites: BIO 301 or permission of instructor.

BIO 623 Landscape Ecology Laboratory 1

Field labs to observe different landscape structures and conduct course projects for comprehending principles of landscape ecology. Students will use computer labs for GIS basics, landscape analyses.

Prerequisites: BIO 301.

Corequisites: BIO 627.

BIO 624 Advanced Topics in Microbiology 3

Critical review of current research covering a wide range of topics including infectious diseases, bacterial physiology, marine microbiology, and immunology. Focus on students' interests or needs.

Prerequisites: Permission of instructor.

BIO 626 Conservation Biology 3

Introduction to habitat and species conservation; topics include genetic diversity, demographic patterns of rare species, habitat fragmentation, design and management of nature reserves, ecological restoration.

Prerequisites: BIO 301 and BIO 392. STA 271 recommended.

BIO 627 Landscape Ecology 3

Introduction to patch-corridor-matrix structure of landscapes and their impact on ecological processes. Discussion of landscape indices, spatial heterogeneity, current issues, and general approaches in landscape ecology.

Prerequisites: BIO 301. STA 271; recommended.

Corequisites: BIO 623.

BIO 628 Microbial Ecology 3

Emphasis on current areas of active research with reference to applied problems.

Prerequisites: BIO 280 or BIO 481, or permission of instructor.

BIO 629 Aquatic Ecology 3

The study of the geology, physics, chemistry, and ecology of lakes, including reservoirs and streams with comparisons to the ocean.

Prerequisites: BIO 301 and CHE 114, or permission of instructor.

BIO 630 Advanced Topics in Plant Ecology 3

Studies of special terrestrial communities or plant groups.

Prerequisites: Permission of instructor.

BIO 635 Molecular Toxicology 3

Molecular mechanisms involved in the toxicant-induced adverse health effects and discussion of molecular pathways altered in cells in response to environmental xenobiotic exposure.

BIO 636 Ecotoxicology 3

This course is designed to provide an in-depth understanding of the sources and transport of environmental pollutants, and their adverse ecological impacts.

Prerequisites: Introductory undergraduate-level course in Ecology or Environmental Sciences or equivalent or permission of the instructor.

BIO 637 Human Evolutionary Genetics 3

Study of primary literature testing hypotheses about human ancestry and evolution using molecular genetic methods.

Prerequisites: BIO 330 and BIO 392. or permission of instructor.

BIO 638 Aquatic Ecology Laboratory 1

Practical study of water chemistry methods, lake and stream morphometry, identification of freshwater zooplankton, benthic invertebrates and fish, and field trips to area reservoirs and streams.

Prerequisites: BIO 301.

Corequisites: BIO 629.

BIO 639 Biochemistry: Metabolic Regulation in Health and Disease 3

Chemical properties of major cellular compounds; biosynthesis, degradation, and function of carbohydrates, lipids, proteins, nucleic acids, vitamins, and hormones; energy metabolism; enzymatic catalysis.

Prerequisites: BIO 355 and BIO 392. or permission of instructor.

BIO 640 Biology of Aging 3

An integrative look at biological theory and mechanisms to explain the diversity of the aging process, including human implications.

Prerequisites: BIO 301, BIO 355, BIO 392, or permission of instructor.

BIO 641 Stream Ecology 3

Study of ecology and management of flowing water ecosystems. Topics such as community and ecosystem processes, major paradigms, management of point versus non-point pollutants, and restoration addressed.

Prerequisites: BIO 301 or equivalent.

BIO 642 Genes and Signals 3

Investigates the regulation of gene expression in bacteria, yeast, and higher eukaryotes, and explores how such regulatory systems have evolved.

Prerequisites: BIO 355 and BIO 392.

BIO 643 Biophysics 3

Introduction to cellular biophysics, with emphasis on the physical properties of membranes, including membrane transport mechanisms and electrical properties of membranes.

Prerequisites: BIO 355, CHE 114, MAT 191, and either PHY 211 with PHY 212 or PHY 291 with PHY 292. or permission of instructor;

Notes: Same as PHY 543.

BIO 644 Entomology 3

A theoretical and practical overview of the insect orders, selected topics of insect behavior, ecology, and evolution, and an introduction to human-insect interactions. BIO 392 and BIO 441 recommended.

BIO 645 Ecoepidemiology of Infectious Diseases 4

Understanding and managing emerging infectious diseases, primarily zoonotic, using an ecologically-based approach. Students learn theory and skills in the epidemiology and ecology of infectious diseases.

Prerequisites: Permission of instructor.

Notes: Registration in both lecture and laboratory is mandatory.

BIO 646 Advanced Topics in Neurobiology 3

Directed readings on fundamental physiological principles of nervous system functioning. Topics may include motor pattern generation, sensory transduction, sensori-motor integration, neurohormonal modulation of behavior.

Prerequisites: Permission of instructor.

BIO 648 Current Topics in Biology 1-3

Advanced topics courses in the biological sciences. Topics vary with instructor.

Prerequisites: Minimum grade of C- in both BIO 111 and BIO 112 and permission of instructor.

BIO 649C Current Topics: Neurons / Behavior 1-3

Advanced topics courses in the Biological Sciences. Topics vary with instructor.

Prerequisites: Permission of Instructor.

BIO 651 Vascular Plant Systematics 4

Principles, methods, and the history of systematic biology are covered in the context of vascular plant classification and evolution.

Prerequisites: BIO 301 or BIO 330 or BIO 392.

Notes: Passing grade in lecture must be achieved for successful completion of this course. May not be taken more than twice.

BIO 651L Vascular Plant Systematics Laboratory 0

Principles, methods and the history of systematic biology are covered in the context of vascular plant classification and evolution.

Notes: Passing grade in lecture must be achieved for successful completion of course.

BIO 652 Metamorphosis 3

Readings, discussions, and oral presentations of current literature on metamorphosis in animals, mechanisms controlling metamorphosis, evolution of complex life cycles, and adaptations to differing habitats.

Prerequisites: Three courses selected from BIO 301, BIO 322, BIO 341, BIO 355, BIO 370, BIO 392. or permission of instructor.

BIO 655 Vertebrate Reproduction 3

An advanced treatment of the diversity of vertebrate reproductive biology, with emphasis on structural, regulatory, behavioral, and evolutionary aspects.

Prerequisites: One of BIO 277, BIO 425, BIO 453, BIO 464, BIO 470, or BIO 477.

BIO 660 Symbiosis 3

Symbiotic interactions of living organisms from an evolutionary perspective. Metabolic, genetic, behavioral, and ecological adaptations which allow symbioses to be formed and maintained will be discussed.

Prerequisites: Three courses selected from BIO 301, BIO 330, BIO 355, BIO 392, BIO 451. or permission of instructor.

BIO 673 Drugs and the Brain 3

Pharmacology of major neurotransmitter systems in the brain and nervous system. Actions of clinically relevant drugs on these systems will be analyzed along with major drugs of abuse.

Prerequisites: BIO 355, and one of the following: BIO 277, BIO 477, BIO 479, PSY 230. or permission of instructor;

Notes: CHE 351 recommended.

BIO 674 Workshops in Biotechnology 1

Individual, intensive four-week workshops focused on specific techniques in biotechnology. Provides hands-on experience designing and implementing a focused project utilizing current methods and bioinformatics.

Prerequisites: BIO 494 or permission of instructor.

Notes: May be repeated for credit as long as letter suffix of course differs: workshops of a given letter may be taken only once.

BIO 676 Population Genetics and Molecular Evolution 3

Application of population genetic and molecular evolutionary theory to the study of natural history, natural selection, genome variation and organization, human evolution, conservation biology, and forensics.

Prerequisites: BIO 330 and BIO 392. or permission of instructor.

BIO 678 Hormones in Action 3

Hormonal signaling in humans and other animals is examined using developmental, physiological, behavioral, cellular, and molecular perspectives, with special emphasis on the adrenal glands and the gonads.

Prerequisites: BIO 355 and BIO 392.

BIO 680 Environmental Physiology 3

Lectures, discussions, and student presentations on the physiology of animals as it is influenced by and is adapted to environmental conditions.

Prerequisites: BIO 355 and either BIO 277 or BIO 477.

BIO 682 Molecular Biological Approaches in Research 1

Use of novel molecular approaches to address current questions in the life sciences will be explored by analyzing recent research reports and learning the principles underlying these approaches.

Prerequisites: BIO 392.

Notes: May be repeated for a total of 3 s.h. credit.

BIO 685 Virology 3

Selected topics in virology. Emphasis upon new trends in the study of animal, plant, and bacterial viruses at both molecular and cellular levels.

Prerequisites: BIO 355 and BIO 392. or permission of instructor.

BIO 686 Cell Cycle and Cancer 3

Molecular basis of cell division and cancer examined through lectures and discussions of primary literature. Topics include cell cycle control, genomic stability, carcinogenesis, and cancer genetics.

Prerequisites: BIO 355 and BIO 392, or permission of instructor.

BIO 687 Epigenetics 3

Study of epigenetic mechanisms involved in chromatin structure, DNA and histone modifications, gene expression, dosage compensation, imprinting, heterochromatin structure, stem cell differentiation, development, human disease, and environmental-gene interactions.

Prerequisites: BIO 355 and BIO 392.

BIO 691 Genetics of Complex Traits 3

Theory, experimental methods, and analysis related to the genetic basis for variation in complex traits, including quantitative and threshold traits in animals and plants, and complex human diseases.

Prerequisites: BIO 392 or permission of the instructor.

BIO 694 Advanced Genetics 3

Selected topics in genetics at an advanced level. Emphasis placed on comparative view of molecular mechanisms underlying animal and plant development.

Prerequisites: BIO 392.

BIO 695 Biological Research 1-6

Student engages in advanced biological research under the supervision of a member of the Graduate Faculty.

Notes: Course may be repeated with a maximum of 9 hours credit counting toward the MS degree. Grade: Satisfactory/Unsatisfactory (S/U).

BIO 699 Thesis 1-6

Individual research for the completion of a thesis.

Prerequisites: Successful presentation of thesis proposal to Biology Department.

BIO 707 Seminar in Environmental Health Science 2

Development of critical-thinking and writing skills through discussions and critiques of primary literature in environmental health science and through writing assignments.

Prerequisites: Biology graduate student or permission of instructor.

BIO 731 Environmental Health Science I: Ecosystems to Individuals 3

Causes of environmental problems that society faces and the effects on ecosystem and community function and species survival. Implications for environmental and human health are explored.

Prerequisites: Biology graduate student or permission of instructor.

BIO 732 Environmental Health Science II: Individuals to Molecules 3

Introduction to fundamentals of toxicology with a focus on toxicological consequences of environmental perturbations on physiological and cellular processes, genome structure, and gene function.

Prerequisites: Biology graduate student or permission of instructor.

BIO 733 Workshops in Environmental Health Science 1

Individual six-week workshops focusing on analytical tools and experimental approaches used in freshwater/riparian ecosystem analysis, environmental genomics, environmental forensics, and cellular/physiological research.

Prerequisites: Biology graduate student or permission of instructor.

BIO 734 Current Research in Environmental Health Science 1

Weekly discussion of research journal articles in the area of environmental health science. Students will present and discuss research journal articles.

Notes: May be repeated for a total of 2 credit hours.

BIO 749 Research Lab Rotations 1

Optional course providing credit for participation in laboratory meetings and/or the initiation of preliminary research training in the labs of 1 to 3 potential thesis advisors.

Notes: May be repeated for a total of 3 hours credit. Grade: Satisfactory/Unsatisfactory (S/U).

BIO 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

BIO 790 Directed Study in Environmental Health Science 1-6

Advanced research in environmental health science under the direction of a graduate faculty advisor. Preparation of doctoral research proposal and planning for dissertation research.

Prerequisites: Admitted to PhD in environmental health science and approval of graduate faculty advisor.

Notes: May be repeated for a maximum of 12 hours credit counting towards the PhD degree. Grade: Satisfactory/Unsatisfactory (S/U).

BIO 791 Independent Doctoral Research 1-6

Independent research in environmental health science related to the student's primary area of research specialization leading to dissertation.

Prerequisites: Admitted to candidacy.

Notes: May be repeated for a maximum of 15 hours credit counting towards the PhD degree. Grade: Satisfactory/Unsatisfactory (S/U).

BIO 799 Dissertation 1-18

Individual research for the completion of the doctoral dissertation.

Prerequisites: Admitted to candidacy.

Notes: May be repeated for a maximum of 18 hours credit. Grade: Satisfactory/Unsatisfactory (S/U).

BIO 801 Thesis Extension 1-3

Thesis Extension.

BIO 802 Dissertation Extension 1-3

Dissertation Extension.

BIO 803 Research Extension 1-3

Research Extension.

Business Administration (BUS)

BUS 105 Blueprint for Professional Success 2

Establish business skills determined by employers as critical for success. Engage in professional development exercises. Explore academic opportunities to create student's personal and professional blueprint.

Prerequisites: Open to first and second semester freshmen who are Majors in ACCT, BADM, CARS, ECON, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

BUS 115 Blueprint for Personal Development 1

The first step toward becoming a successful business professional is establishing a sense of self. Students engage in personal development to expand their self-awareness and identify opportunities for personal growth.

Prerequisites: Open to first and second semester freshmen who are PACC, PBAD, CARS, ECON, ECOS, PENT, PFIN, PINT, PISC, PMKT, or PSTH.

BUS 130 Entrepreneurship in a Sustainable Global Environment 3

Global forces will restructure the world economy for the foreseeable future. Entrepreneurship, sustainability, and innovation will drive companies and individuals and produce major changes within that environment.

GE Marker: GL

Notes: Same as ENT 130.

BUS 201 Creativity, Innovation, and Vision 3

Creativity and innovation is examined through an interdisciplinary lens. We examine how creative and innovative thinking gives us the vision to see opportunities and how they impact society.

GE Core: GSB

Notes: Same as ENT 201.

BUS 206 Start Something 3

Students learn the basics of establishing a new business from idea to inception through the finalized business model. Students may have the opportunity to establish a viable business on campus.

Notes: Same as ENT 206.

BUS 215 Blueprint for Professional Development 1

Students engage in personal development to expand their self-awareness and identify opportunities for personal growth, to begin building a professional portfolio, and develop employment related skills.

Prerequisites: BUS 115. Open to sophomores who are PACC, PBAD, CARS, ECON, ECOS, PENT, PFIN, PINT, PISC, PMKT, or PSTH.

BUS 216 Blueprint for Personal and Professional Development 2

Students will begin building a professional portfolio and engaging in topics designed to promote the development of skills determined by employers as critical for success.

Prerequisites: Restricted to sophomore, junior or senior students who are pre-admitted to or admitted to majors in the Business School (PACC, ACCT, PBAD, BADM, CARS, ECON, ECOS, PENT, ENTR, PFIN, FINC, PINT, INTB, PISC, ISSC, PMKT, MKTG, or PSTH, STHP).

Notes: Students may not receive credit for both BUS 216 and either BUS 115 or BUS 215.

BUS 240 Introduction to the Entrepreneurial Experience 3

Introduction to the entrepreneurial experience including historical perspectives, the role of entrepreneurs in supporting the economy, the entrepreneurial process, venture creation, and innovation.

Notes: Same as ENT 240.

BUS 300 Ideas to Opportunities: Feasibility Analysis 3

Provides the knowledge and skills to develop a feasibility plan for a new business venture that will be the basis for developing a business plan.

Prerequisites: ENT/FIN 200 or ACC 201. or permission of instructor;

Notes: Same as ENT 300.

BUS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

BUS 315 Global and Cultural Development 1

This course facilitates team work, collaboration and cultural intelligence through a global team project. Students participate in activities to improve their professional skills and career readiness in a global environment.

Prerequisites: BUS 215 or BUS 216. MGT 301. Open to juniors who are Majors in ACCT, BADM, CARS, ECON, ENTR, FINC, INTB, ISSC, MKTG, or STHP;

Corequisites: MGT 301.

BUS 328 Organizational Leadership 3

The course examines the theories and models of leadership. Environmental pressures, organizational objectives, company culture, and individual ethical standards will be examined to incorporate the situational determinants of leadership effectiveness.

Prerequisites: Sophomore standing.

BUS 336 Opportunities to Action: Business Plan 3

Provides the knowledge and skills to develop a feasibility plan into a business plan for a new venture, which culminates in a business plan competition.

Prerequisites: BUS 300 or ENT 300.

Notes: Same as ENT 336.

BUS 337 Family Business 3

Overview of family business, including what is required for family harmony and business continuity.

Notes: Same as ENT 337.

BUS 338 Global Franchising 3

This course introduces the student to opportunities in franchising including becoming a franchisee or franchisor.

GE Marker: GL

Prerequisites: ACC 201 or ENT 200/FIN 200.

Notes: Same as ENT 338, STH 338.

BUS 339 Entrepreneurial Leadership 3

Leadership theories, skills, and practices necessary for effectiveness in varied entrepreneurial settings, including private businesses, corporations, not-for-profit organizations, and social movements.

Notes: Same as ENT 339.

BUS 340 Social Entrepreneurship 3

Introduction to social entrepreneurship including identification of social problems and how they are solved through innovation, community impact, sustainability, ethical, scalable, economic value creation, and risk-taking efforts.

Notes: Same as ENT 340.

BUS 342 International Entrepreneurship 3

Creation and management of business ventures with international dimensions are examined, and economic and formal/informal institutions affecting entrepreneurship are discussed.

GE Marker: GL

Notes: Same as ENT 342.

BUS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

BUS 415 Leadership Development 1

Students learn about the qualities of good leaders and demonstrate those qualities are exercised in a business environment with a specific focus on ethical and sustainable decision making.

Prerequisites: BUS 315. Open to Seniors who are Majors in ACCT, BADM, CARS, ECON, ECOS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

BUS 440 Social Entrepreneurship: Justice and a Green Environment 3

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

Prerequisites: Upper-division undergraduate status.

Notes: Same as ENT 440, PCS 440, WGS 440.

BUS 450 Directed Business Practice 3

Planned work experience approved in advance by instructor. This is a web-based course that requires regularly scheduled work in an organization that sponsors your internship. In addition, the course requires reading, writing, and skill practice assignments.

Prerequisites: Junior standing and written permission of the instructor.

Notes: Open to all majors. Same as ENT 450.

BUS 454 Coordination Work Based 3**BUS 493 Honors Work 3-6**

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major; 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

BUS 494 Surv Bus/Mkt Education 3**BUS 495 Curr/Clstrn Org Bus/Mkt Prog 3****BUS 496 Sel Topics Bus/Mkt Educ 1-3****BUS 499 Selected Topics in Entrepreneurship 1-3**

Study of topics of common interest to those interested in entrepreneurship. Group discussion and study rather than independent study emphasized. Generally non-recurring topics studied.

Prerequisites: Junior standing. or permission of instructor

Notes: May be repeated for credit if the topic of study changes. Same as ENT 499.

BUS 540 Social Entrepreneurship: Justice and a Green Environment 3

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

Notes: Same as ENT 540, PCS 540, WGS 540.

BUS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

BUS 606 International Entrepreneurship 3

Issues related to starting, joining, or holding stakes in international ventures, the creation and management of business ventures that have international dimensions, economic and formal/informal institutions affecting entrepreneurship.

BUS 609 Franchising 3

Develop knowledge and skills needed to succeed as a franchisee, franchisor, or franchise executive, including understanding the Franchise Disclosure Document and the role of entrepreneurship in franchising.

BUS 614 Leadership in the International Environment 3

Understanding and analyses of leadership and followership in an international context. Application of theoretical frameworks and provision of practical advice for leading across cultural boundaries and addressing international challenges.

BUS 615 Global Business 3

Principles, practices and processes of conducting businesses in the globalized environment.

BUS 616 International Business Negotiations 3

This course provides theoretical principles and concepts that aid students in preparing for, performing in, and evaluating international business negotiations.

Prerequisites: BUS 622.

Corequisites: BUS 614.

BUS 617 International Strategy 3

Examines key frameworks and theories in international strategy and their application to strategy practice and research.

Prerequisites: BUS 615, BUS 621, BUS 622.

BUS 618 International Collaboration Project I 3

The course offers an opportunity to learn international collaboration through practice; an experiential exercise where the students complete an international business consulting project working in global virtual teams.

Prerequisites: BUS 614, BUS 622, BUS 623.

BUS 619 International Collaboration Project II 3

Offers theoretical training and the opportunity to further develop international collaboration skills through practice by participating in an experiential learning exercise as a coach and manager of global virtual teams.

Prerequisites: BUS 618.

BUS 621 Research Methods 3

Familiarize students with inductive and deductive research in international business. Selecting a data gathering method, designing a survey/questionnaire, and sampling methods. Analyzing data and interpreting results to make international business decisions.

BUS 622 Cross-Cultural Management 3

Examines the effect of cultural differences on management in organizations. Provides students with an understanding of the challenges and opportunities in managing people from diverse cultural backgrounds at the workplace.

BUS 623 International Marketing 3

Issues in international marketing are addressed from both theoretical and experiential learning perspectives.

BUS 695 Special Topics in International Business 3

This course focuses on current trends and topics in international business.

BUS 701 Doctoral Research Methods I (Quantitative Research Methods) 3

Examines multivariate statistical techniques including exploratory factor analysis and principal components analysis, confirmatory factor analysis; moderation and mediation analysis; structural equation modeling and hierarchical linear modeling.

BUS 702 Doctoral Research Methods II (Qualitative Research Methods) 3

Discussion of the nature of qualitative research in organization studies. Discuss qualitative methodological approaches, and the design, implementation and publication of qualitative research.

BUS 703 Doctoral Research Methods III (Applied Research Methods in Business) 3

The application of quantitative and qualitative methods in conducting high quality research in business.

Prerequisites: BUS 701, BUS 702.

BUS 705 Seminar in Academic Writing and Publishing 3

Provides an in-depth review and understanding of academic and scholarly writing, explains the process of developing and publishing academic work, with the focus on publishing business research and scholarly work.

BUS 720 Seminar in Organization Theory 3

Examines the theory and research related to organizations, including theories that cross micro/macro boundaries and represent novel contributions from organizational perspectives; the history and development of research on organizations.

BUS 721 Seminar in Organization Behavior 3

Classic and current theory in organizational behavior, including the role and effects of individual differences, perception, job design, groups, motivation, job satisfaction, organizational commitment, and other aspect of organizational design.

BUS 722 Seminar in Organizational Leadership 3

Provides an in-depth review of classic and modern theories and application of leadership and followership models in organizations, including critical examination of leadership in cross-cultural settings.

Prerequisites: BUS 721.

BUS 730 Seminar in International Business Theory 3

Comprehensive overview of international business field, including theoretical and empirical approaches to the study of cross-border business, evolution of thought in international business, theory of the MNC, and contemporary perspectives.

BUS 731 Seminar in Cross-Cultural Management 3

Provides an in-depth review of the theories, concepts, and practices of management across and in different cultures; investigates the impact of national cultures on management practice.

BUS 740 Seminar in Strategic Management I 3

Theories and concepts in strategic management including the examination of behavioral and economic approaches to strategy research and the relationship of other areas of research to strategy formulation and implementation.

Prerequisites: BUS 720, BUS 721, and BUS 730.

BUS 741 Seminar in Strategic Management II 3

Examines theory and research on corporate level strategies and corporate governance.

Prerequisites: BUS 740.

BUS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

BUS 789 Advanced Topics in Management 3-9

This course focuses on current research topics such as corporate social responsibility, human resources management, international business, organizational behavior, strategic management, and sustainability.

BUS 790 Doctoral Research Independent Study 1-6

Individual work on research topics that are related to student's primary area(s) of specialization and research interest. Research conducted with faculty guidance and direction.

Prerequisites: BUS 701, BUS 702, BUS 705.

BUS 840X International ENT Experimental 1-6

Experimental Course Test.

Chemistry (CHE)

CHE 101 Introductory Chemistry 3

Survey of fundamentals of measurement, molecular structure, reactivity, and organic chemistry; applications to textiles, environmental, consumer, biological, and drug chemistry.

GE Core: GNS

LEC: GPS

Notes: For elementary education, business, and liberal arts majors.

Students cannot receive credit for both CHE 101 and either CHE 111 or CHE 103; CHE 110 is recommended as corequisite.

CHE 103 General Descriptive Chemistry I 3

Introductory course for students whose programs require only one year of college chemistry. Among the topics introduced are states of matter, atomic and molecular structure, nuclear chemistry, stoichiometry, and solutions.

GE Core: GNS

LEC: GPS

Corequisites: CHE 110 must be taken concurrently unless student takes CHE 104 or CHE 111 later.

Notes: Not open to students who have already taken CHE 111.

CHE 104 General Descriptive Chemistry II 3

Applications of the principles introduced in CHE 103 to representative organic and biological systems. Topics include introductory organic and biochemical concepts.

GE Core: GNS

LEC: GPS

Prerequisites: CHE 103 or permission of instructor.

Corequisites: CHE 110 must be taken concurrently unless taken with CHE 103.

CHE 110 Introductory Chemistry Laboratory 1

Designed to acquaint non-science majors with basic laboratory practices.

GE Core: GNS

LEC: GPS

Corequisites: To be taken concurrently with either CHE 103 or CHE 104. Also may accompany CHE 101.

CHE 111 General Chemistry I 3

Fundamental principles of chemistry, including stoichiometry, atomic structure, and states of matter.

GE Core: GNS

LEC: GPS

Prerequisites: One year of high school chemistry or CHE 103. students lacking high school chemistry should take the sequence CHE 103, CHE 111, CHE 114; Prerequisite or

Corequisites: CHE 112.

CHE 112 General Chemistry I Laboratory 1

Laboratory work to accompany CHE 111. Prerequisite or

GE Core: GNS

LEC: GPS

Corequisites: CHE 111.

CHE 114 General Chemistry II 3

Continuation of CHE 111 with attention to ionic equilibria, elementary kinetics and thermodynamics, acid-base theory, coordination chemistry, and electrochemistry.

GE Core: GNS

LEC: GPS

Prerequisites: CHE 103, CHE 104, and CHE 110 with performance in each at the B level or higher, or CHE 111, CHE 112. Prerequisite or

Corequisites: CHE 115.

Notes: Designed primarily for science majors and is the prerequisite to upper level courses in chemistry.

CHE 115 General Chemistry II Laboratory 1

Laboratory work to accompany CHE 114.

GE Core: GNS

LEC: GPS

Prerequisites: CHE 112 or equivalent. Prerequisite or

Corequisites: CHE 114.

CHE 170 Engaging with Chemistry and Biochemistry 1

Introduction to careers with a chemistry or biochemistry foundation, and to successful academic approaches to preparing for those careers.

Prerequisites: Chemistry or Biochemistry majors.

CHE 191 Introduction to Research 1

Introduction to the basic concepts of research, involving multistep experiments and discussion of research opportunities.

Corequisites: CHE 114.

CHE 205 Introductory Organic Chemistry 3

A course in organic chemistry designed for students whose programs require only one semester in this area.

Prerequisites: CHE 104, CHE 110. or CHE 114, CHE 115;

Corequisites: CHE 206.

CHE 206 Introductory Organic Chemistry Laboratory 1

Laboratory work to accompany CHE 205.

Corequisites: CHE 205.

CHE 252 Chemistry and the Human Environment 3

Study of chemical problems central to current technological, biomedical, and environmental issues. Topics include energy alternatives, food chemicals, environmental chemistry, molecular basis of drug action, and consumer products.

Prerequisites: CHE 101, CHE 104, or CHE 114 or permission of instructor.

CHE 291 Sophomore Research 1-3

Sophomore-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

Prerequisites: CHE 114 and CHE 115.

Notes: May be repeated for credit for up to 3 s.h.

CHE 292 Sophomore Research 1-3

Sophomore-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

Prerequisites: CHE 114 and CHE 115.

Notes: May be repeated for credit for up to 3 s.h.

CHE 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CHE 331 Quantitative Analysis 3

Introduction to the theory and practice of volumetric and gravimetric methods of analysis.

Prerequisites: CHE 114, CHE 115.

Corequisites: All students must take CHE 333 concurrently unless they have previous credit for an equivalent course.

CHE 333 Quantitative Analysis Laboratory 1

Laboratory work to accompany CHE 331.

Corequisites: CHE 331 must be taken concurrently.

CHE 342 Inorganic Chemistry 3

Introduction to theoretical principles, structure, and reactivity of main group metals and nonmetals and transition metals including industrial, bioinorganic and organometallic chemistry, and inorganic materials and nanomaterials.

Prerequisites: CHE 114, CHE 115.

CHE 351 Organic Chemistry I 4

Chemistry of aliphatic and aromatic compounds with attention to reaction mechanisms and synthetic applications, and the application of spectroscopy to structure determination.

Prerequisites: CHE 114.

Corequisites: CHEM and BCHE majors: CHE 353.

Notes: May not be taken more than twice.

CHE 352 Organic Chemistry II 3

Continuation of CHE 351 with attention to alcohols, ethers, aldehydes and ketones, carboxylic acids and derivatives, amines, lipids, carbohydrates, and organic spectroscopy.

Prerequisites: Grade of C or better in CHE 351.

Corequisites: CHEM and BCHE majors must take CHE 355 concurrently.

Other students must take CHE 354 concurrently unless they have previous credit for an equivalent course.;

Notes: May be repeated only once.

CHE 353 Organic Laboratory Techniques 1

Basic techniques for organic chemistry laboratory, with introduction of separation, characterization, and analysis of organic compounds including use of instrumental methods. To accompany CHE 351 for chemistry and biochemistry majors.

Prerequisites: CHEM or BCHE major.

Corequisites: CHE 351.

CHE 354 Organic Chemistry Laboratory 1

Laboratory work to accompany CHE 352.

CHE 355 Intermediate Organic Chemistry Lab 2

Advanced organic laboratory methods; modern reactions in synthesis; purification of compounds and characterization by spectroscopic instrumentation; qualitative organic analysis; chemical and biochemical literature; computational modeling; chemical database searching; safety resources.

Prerequisites: Chemistry or Biochemistry major, grade of C (2.0) or better in CHE 351 and CHE 353 or CHE 354;

Corequisites: CHE 352.

CHE 391 Junior Research 1-3

Junior-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

Prerequisites: CHE 352 and CHE 353 (or CHE 354) or CHE 331 and CHE 333 and permission of instructor.

Notes: May be repeated for credit for up to three (3) credits.

CHE 392 Junior Research 1-3

Junior-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

Prerequisites: CHE 352 with CHE 353 (or CHE 354) or CHE 331 with CHE 333, and permission of instructor;

Notes: May be repeated for credit for up to three (3) credits.

CHE 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CHE 401 Chemistry Seminar Introduction 0

Preparation for seminar. Attendance at weekly seminars given by visiting speakers, faculty, and students.

Prerequisites: CHE 355 or CHE 372. CHEM or BCHE major; junior standing;

Notes: Grade: Pass/Not Pass (P/NP). Should be taken in the term preceding CHE 402.

CHE 402 Chemistry Seminar 1

Oral reports and discussion of topics from the current chemistry literature by students, staff, and guest lecturers. Attendance at weekly seminars is required.

Prerequisites: CHE 401, senior standing.

CHE 406 Introductory Physical Chemistry 4

Study of the concepts basic to chemical kinetics, equilibrium, energetics, spectroscopy, solution phenomena, electrochemistry, and colloidal behavior with applications to biological systems. Theory of methods and instrumentation also examined.

Prerequisites: Two semesters of chemistry beyond general chemistry, MAT 292, one year of physics.

Notes: Students cannot receive credit for both CHE 406 and CHE 461 toward an undergraduate degree.

CHE 407 Introductory Physical Chemistry Laboratory 1

Laboratory work related to CHE 406 with emphasis on mathematical treatment of experimental data and communication of results in report form.

Corequisites: CHE 406.

CHE 420 Chemical Principles of Biochemistry 3

Introduction to major classes of biomolecules and to genetic and metabolic pathways in living systems; emphasis on chemical nature of biological processes and the driving forces that make them work.

Prerequisites: CHE 352, BIO 111 and BIO 112 strongly recommended.

CHE 431 Instrumental Analysis 3

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis.

Prerequisites: CHE 331, CHE 333, CHE 205 or CHE 352 (either may be taken concurrently), PHY 212 or PHY 292.

CHE 433 Instrumental Analysis Laboratory 1

Laboratory work to accompany CHE 431.

Corequisites: CHE 431 must be taken concurrently.

CHE 436 Computational Chemistry 3

Survey of modern computational chemistry methods, including molecular mechanics, molecular dynamics simulations, conformational searching, and computational quantum mechanics.

Prerequisites: CHE 352, PHY 212 or PHY 292, or permission of instructor.

CHE 442 Advanced Inorganic Chemistry I 3

Modern concepts of chemical bonding and its application to inorganic reactions and periodic relationships.

Prerequisites: CHE 342, CHE 406 or CHE 461.

Corequisites: CHE 406 or CHE 461 may be taken concurrently.

CHE 453 Advanced Organic Chemistry I 3

Advanced topics in organic chemistry with special emphasis on reaction mechanisms and stereochemistry.

Prerequisites: CHE 352.

CHE 455 Organometallic Chemistry 2

Theoretical and synthetic aspects of organometallic chemistry and applications to catalysis and synthetic organic chemistry.

Prerequisites: CHE 352, CHE 442.

CHE 456 Biochemistry I 3

Introductory biochemistry presented from a chemical perspective. Topics include amino acids, proteins and enzymes, carbohydrates, nucleic acids, lipids, membranes, and carbohydrate catabolism.

Prerequisites: CHE 352, BIO 111, BIO 112.

CHE 457 Biochemistry II 3

Continuation of CHE 456. Enzyme catalytic mechanisms, additional topics in intermediary metabolism, genetic biochemistry, and selected topics in molecular physiology.

Prerequisites: CHE 352, CHE 456, BIO 111, BIO 112, or permission of instructor.

CHE 458 Biochemistry Laboratory 1

Introduction to biochemical techniques, including isolation, purification and characterization of biological molecules.

Prerequisites: CHE 456 (or equivalent), CHE 353 (or CHE 354), and CHE 333, or permission of instructor.

CHE 461 Physical Chemistry I 4

Chemical thermodynamics and equilibrium processes covered, including phase equilibria, thermodynamics of solutions, kinetics, and electrochemistry.

Prerequisites: MAT 292 and PHY 292.

Notes: Students cannot receive credit for both CHE 461 and CHE 406 toward an undergraduate degree.

CHE 462 Physical Chemistry II 3

Subject material deals with microscopic world including introductions to quantum mechanics, molecular spectroscopy, and statistical mechanics.

Prerequisites: CHE 461.

CHE 463 Physical Chemistry I Laboratory 1

Laboratory work related to CHE 461 with emphasis on mathematical treatment of experimental data and communication of results in report form.

Prerequisites: CHE 331, CHE 333.

Corequisites: CHE 406 or CHE 461.

CHE 464 Physical Chemistry II Laboratory 1

Additional laboratory work primarily in kinetics and the determination of molecular structure. This is a writing emphasis course.

Prerequisites: CHE 461, CHE 463.

Corequisites: CHE 462.

CHE 470A Special Topics in Chemistry: Analytical 1-3

See CHE 470.

Prerequisites: Permission of instructor.

CHE 470B Special Topics in Chemistry: Biochemistry 1-3

See CHE 470.

Prerequisites: Permission of instructor.

CHE 470C Special Topics in Chemistry: Inorganic 1-3

Prerequisite: Permission of instructor.

CHE 470D Special Topics in Chemistry: Organic 1-3

See CHE 470.

CHE 470E Special Topics in Chemistry: Physical 1-3

See CHE 470.

CHE 470F Special Topics in Chemistry: Chemical Education 1-3

See CHE 470.

Prerequisites: Permission of instructor.

CHE 481 Synthetic Techniques 2

Theoretical discussion and laboratory practice in modern methods of synthesis in the areas of organic and inorganic chemistry. Emphasis given to regions of overlap such as organometallic chemistry.

Prerequisites: CHE 342, CHE 352, CHE 355.

CHE 490 Internship in Chemistry and Biochemistry 3

Practical experience in local industrial setting. Includes bi-weekly meeting with Departmental internship coordinator. Students must complete 12 hours a week at an internship site.

Prerequisites: CHE 333 and CHE 355. junior status; overall GPA of 3.0 or better; and permission of instructor .

CHE 491 Senior Research 1-3

Senior-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

Prerequisites: Three (3) years of chemistry or biochemistry and permission of instructor.

Notes: May be repeated for credit for a maximum of three (3) credits.

CHE 492 Senior Research 1-3

Senior-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

Prerequisites: Three (3) years of chemistry or biochemistry and permission of instructor.

Notes: May be repeated for credit for a maximum of three (3) credits.

CHE 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

CHE 499 Senior Thesis 1

Preparation of a thesis based on a student's undergraduate research.

Prerequisites: Senior standing, completion of five (5) semesters of undergraduate research, or permission of instructor.

Corequisites: CHE 492 for 2 or 3 s.h.

CHE 531 Instrumental Analysis 3

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis.

Prerequisites: CHE 331, CHE 333, CHE 205 or CHE 352 (either may be taken concurrently), PHY 212 or PHY 292.

CHE 533 Instrumental Analysis Laboratory 1

Laboratory work to accompany CHE 531.

Corequisites: CHE 531 must be taken concurrently.

CHE 553 Advanced Organic Chemistry I 3

Advanced topics in organic chemistry with special emphasis on reaction mechanisms and stereochemistry.

Prerequisites: CHE 352.

CHE 555 Organometallic Chemistry 3

Theoretical and synthetic aspects of organometallic chemistry focusing on transition metal complexes and their applications to industrially important catalysis and to synthetic organic chemistry.

Prerequisites: CHE 352, CHE 442.

CHE 556 Biochemistry I 3

Introductory biochemistry presented from a chemical perspective. Topics include amino acids, proteins and enzymes, carbohydrates, nucleic acids, lipids, membranes, and carbohydrate catabolism.

Prerequisites: CHE 352, BIO 111, BIO 112 .

CHE 557 Biochemistry II 3

Continuation of CHE 556. Enzyme catalytic mechanisms, additional topics in intermediary metabolism, genetic biochemistry, and selected topics in molecular physiology.

Prerequisites: CHE 352, CHE 556, BIO 111, BIO 112, or permission of instructor .

CHE 558 Biochemistry Laboratory 1

Introduction to biochemical techniques, including isolation, purification and characterization of biological molecules.

Prerequisites: CHE 556 (or equivalent), CHE 353 (or CHE 354), and CHE 333. or permission of instructor .

CHE 570B Special Topics in Chemistry: Biochemistry 1-3

See CHE 570.

Prerequisites: Permission of instructor.

CHE 570C Special Topics in Chemistry: Inorganic 1-3

See CHE 570.

Prerequisites: Permission of instructor.

CHE 570D Special Topics in Chemistry: Organic 1-3

See CHE 570.

CHE 570E Special Topics in Chemistry: Physical 1-3

See CHE 570.

CHE 570F Special Topics in Chemistry: Chemical Education 1-3

See CHE 570.

Prerequisites: Permission of instructor.

CHE 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CHE 601 Graduate Seminar I 1

Oral reports from the current literature of chemistry by the students, as well as attendance at presentations by other students, staff, and guest speakers.

Prerequisites: CHE 401 or equivalent.

CHE 602 Graduate Seminar II 1

Oral reports from the literature and the student's thesis research, as well as attendance at presentations by other students, staff, and guest speakers.

Prerequisites: CHE 601.

CHE 615 Entrepreneurship for the Sciences 3

Develop knowledge and skills in entrepreneurship to identify and evaluate science and technology ideas in chemistry and the life sciences as opportunities to take through the feasibility and business plan.

Notes: Same as ENT 615.

CHE 624 Survey of Natural Products Research 3

Survey of many different areas of natural products research, including taxonomy, genetics, nomenclature, biosynthesis, and process methods.

Prerequisites: Two courses in undergraduate organic chemistry and one course in undergraduate biochemistry.

CHE 632 Advanced Analytical Chemistry 3

Current research activities in the analytical area, primarily for first year graduate students. Four areas emphasized: chemical equilibrium, spectroscopy, separations, and electrochemistry.

Prerequisites: CHE 462 or CHE 406 or equivalent. One semester of instrumental analysis (CHE 531) recommended.

CHE 633 Bioanalytical Chemistry 3

Comprehensive study on various analytical methods used to characterize nucleic acid and protein drug targets and their molecular interactions with therapeutic agents.

Prerequisites: Permission of instructor.

CHE 636 Computational Chemistry 3

Survey of modern computational chemistry methods, including molecular mechanics, molecular dynamics simulations, conformational searching, and computational quantum mechanics.

Prerequisites: CHE 352, PHY 212 or PHY 292, or permission of instructor.

CHE 641 Advanced Inorganic Chemistry II 3

Group theory, its applications, and other topics in advanced inorganic chemistry.

Prerequisites: CHE 442.

CHE 651 Structure Elucidation in Medicinal Chemistry 3

Use of structure elucidation in medicinal chemistry including drug design, chemistry of High Throughput Screening and focused libraries, lead development/optimization.

Prerequisites: Two courses in undergraduate organic chemistry and one course in undergraduate biochemistry.

CHE 652 Synthetic Organic Chemistry 3

Methods and problems in multi-step organic synthesis, including use of transition metal reagents and asymmetric synthesis. Applications in drug synthesis.

Prerequisites: Two courses in undergraduate organic chemistry.

CHE 656 Enzyme Mechanisms 3

Detailed look at how enzymes catalyze a broad range of chemical reactions. Particular emphasis on the role of organic cofactors and metal ions in catalysis.

Prerequisites: CHE 352 and either CHE 420 or CHE 556, or permission of instructor.

CHE 658 Nucleic Acid Biochemistry 3

Structure and functions of nucleic acid and their biochemical reactions with cellular proteins. Emphasis on the genomic approach to identify and validate drug targets.

Prerequisites: Permission of instructor.

CHE 659 Receptor Biochemistry 3

Structure and biochemical properties of the various cell-surface receptors. Emphasis on specific receptors chosen as drug targets for various diseases.

Prerequisites: One course in undergraduate biochemistry.

CHE 660 Biochemical Pharmacology and Disease Targets 3

Drug action at the biochemical and molecular level. Focus on the biochemical and cellular mechanisms of action that guide the drug discovery and development process.

Prerequisites: One course in undergraduate biochemistry.

CHE 661 Advanced Physical Chemistry I 3

Selected topics in quantum chemistry, spectroscopy, statistical thermodynamics, and chemical kinetics will be developed with attention to methods of application.

Prerequisites: CHE 461 and CHE 462 or equivalent (one year of physical chemistry).

CHE 663 Spectroscopy and Structure of Proteins and Nucleic Acids 3

Spectroscopic and structural methods for the study of biological macromolecules, particularly proteins and nucleic acids. Topics include absorption spectroscopy, circular dichroism, fluorescence, FTIR, NMR, EPR, and X-ray crystallography.

Prerequisites: CHE 406 or CHE 461, CHE 420 or CHE 556, or permission of instructor.

Notes: May be repeated for a maximum of 6 credits when topic varies.

CHE 670B Adv Special Topic Biochemistry 1-6**CHE 670D Adv Special Topic Organic 1-6****CHE 680 Research Problems in Chemistry and Biochemistry 1-6**

Advanced research in specialized areas of chemistry or biochemistry under the direction of a faculty member. Preparation for master's thesis.

Prerequisites: Permission of instructor and department head.

Notes: May be taken for credit over two or more semesters.

CHE 691 Introduction to Graduate Research 1

Guides new students in the selection of a research advisor. Professors present brief summaries of their research projects. Topics relevant to research are also discussed.

Prerequisites: Admitted to graduate program in department.

CHE 699 Thesis 1-6

Prerequisite: Approval of research proposal by thesis committee.

CHE 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CHE 751 Literature Seminar 1

A literature-based seminar focusing on scientific literature databases and presentation skills.

Prerequisites: CHE 780.

CHE 752 Dissertation Seminar 1

A research-based seminar focusing on the student's dissertation research during the semester the student expects to graduate.

Prerequisites: CHE 780.

CHE 780 Research Problems in Medicinal Biochemistry 1-24

Advanced research in specialized areas of medicinal biochemistry under the direction of a faculty member. Research to be utilized for the preparation of the dissertation.

Prerequisites: Permission of instructor.

Notes: May be repeated for 6 hours.

CHE 790 Medicinal Biochemistry Internship 3

Practical experience in a local industrial setting. Includes biweekly meetings with departmental internship coordinator.

Prerequisites: Permission of departmental internship coordinator and department head.

Notes: Student must complete a minimum of 12 hours per week at the internship site. May be repeated for 6 hours.

CHE 799 Dissertation Research in Medicinal Biochemistry 1-12

Prerequisite: Permission of instructor;

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CHE 801 Thesis Extension 1-3

Thesis Extension.

CHE 802 Dissertation Extension 1-3

Dissertation Extension.

CHE 803 Research Extension 1-3

Research Extension.

Chinese (CHI)

CHI 101 Elementary Chinese I 3

Introduction to the Chinese language and the cultures of the Chinese-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

Notes: Students with previous knowledge of Chinese are required to take the placement test. Students who are native or heritage speakers of Chinese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

CHI 102 Elementary Chinese II 3

Continued study of the Chinese language and the cultures of the Chinese-speaking world at the introductory level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

Notes: Students with previous knowledge of Chinese are required to take the placement test. Students who are native or heritage speakers of Chinese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

CHI 203 Intermediate Chinese I 3

Intermediate-level study of the Chinese language and cultures of the Chinese-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

LEC: GFL

Notes: Students with previous knowledge of Chinese are required to take the placement test. Students who are native or heritage speakers of Chinese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

CHI 204 Intermediate Chinese II 3

Continued study of the Chinese language and cultures of the Chinese-speaking world at the intermediate level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

LEC: GFL

Notes: Students with previous knowledge of Chinese are required to take the placement test. Students who are native or heritage speakers of Chinese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

CHI 210 Masterworks of Chinese Literature in Translation 3

Readings and discussion of the best works of Chinese literature in English translation from the traditional to the modern periods. Taught in English.

GE Core: GLT

GE Marker: GN

CHI 220 Modern Chinese Literature and Culture 3

Introductory Chinese culture course with interdisciplinary perspectives on modern Chinese society, history, literature, and art. Taught in English.

GE Core: GLT

GE Marker: GN

CHI 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CHI 301 Third-Year Chinese Language 3

Third-year Chinese language course to improve oral and written proficiencies, including the Mandarin writing system. Taught in Chinese.

GE Marker: GN

CHI 302 Third-Year Chinese Conversation and Composition 3

Third-year Chinese language course focusing on topics of current interest. Taught in Mandarin Chinese.

GE Marker: GN

CHI 305 Topics in Chinese Culture 3

Third-year Chinese course exploring topical issues of China through art, literature, film, and popular media. Taught in English and/or Chinese.

GE Marker: GN

CHI 313 Major Figures in Chinese Literature 3

Selected Chinese authors or figures read and discussed with attention to interpretation and literary analysis. Selection of figures vary. Taught in English with options to read and/or write in Chinese.

GE Core: GLT

GE Marker: GN

Notes: May be repeated once for credit when topic varies.

CHI 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CHI 491 Chinese Tutorial 1-3

Directed program of conversation, reading, research, and individual instruction in Chinese language and literature.

Prerequisites: CHI 204 (or equivalent) and by permission of instructor.

Notes: Either CHI 491 (fall) or CHI 492 (spring), but not both, can be repeated once, up to three (3) semester hours each time.

CHI 492 Chinese Tutorial 1-3

Directed program of conversation, reading, research, and individual instruction in Chinese language and literature.

Prerequisites: CHI 204 (or equivalent) and by permission of instructor.

Notes: Either CHI 491 (fall) or CHI 492 (spring), but not both, can be repeated once, up to three (3) semester hours each time.

Classical Civilization (CCI)

CCI 201 Introduction to Greek Civilization 3

Introduction to Greek civilization from its beginnings to the Hellenistic age. Lectures and discussion will focus on the development of Greek literature, thought, and art in the context of society.

GE Core: GHP

GE Marker: GL

LEC: GPM

CCI 202 Introduction to Roman Civilization 3

Introduction to Roman civilization from its beginnings to the Roman Empire. Lectures and discussion will focus on the development of Roman literature, thought, and art in the context of society.

GE Core: GHP

GE Marker: GL

LEC: GPM

CCI 205 Mythology 3

Great myths of the world with emphasis on Greek and Roman mythology. Interpretation and evaluation of select works of literature dealing with mythological themes that have shaped human experience.

GE Core: GLT

GE Marker: GL

CCI 207 Ancient Sports and Society 3

Survey of the ancient Olympics and local games of Greece and the gladiatorial sports of the Roman world, with special attention to sociopolitical, economic, and religious impact of sporting behaviors.

GE Core: GSB

GE Marker: GL

CCI 211 Introduction to Greek Archaeology 3

Archaeological consideration of the Mycenaean, Archaic, Classical, and Hellenistic periods of Greek civilization.

GE Core: GHP

GE Marker: GL

LEC: GPM

CCI 212 Introduction to Roman Archaeology 3

Introduction to the archaeology of the Roman world, with particular emphasis on Rome and the monumental remains of its vast empire.

GE Core: GHP

GE Marker: GL

LEC: GPM

CCI 227 Comparative Studies in World Epics 3

Major world epics in translation including the following works in whole or in part: Gilgamesh, Iliad, Odyssey, Aeneid, Chanson de Roland, Divine Comedy, Jerusalem Delivered, Beowulf, Joyce's Ulysses.

GE Core: GLT

GE Marker: GL

CCI 228 Comparative Studies in World Drama 3

Greek, Latin, and modern plays in translation: representative plays from Aeschylus through Euripides, Seneca, Terence, Racine, O'Neill, Cocteau, Anouilh, et al.

GE Core: GLT

GE Marker: GL

CCI 240 Ancient Warfare 3

Survey of ancient warfare covering major battles, generals, strategy, tactics, weapons, and technology from the ancient Near East through the Roman Empire.

GE Core: GHP

LEC: GPM

CCI 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CCI 305 Classical Tragedy 3

Study of Greek tragedians of Athens in the fifth century and their subsequent influence on later literature. Readings from Aeschylus, Sophocles, Euripides, and Seneca.

GE Core: GLT

GE Marker: GL

CCI 306 Classical Comedy 3

Study of Greek comedy in the fifth and fourth centuries and its subsequent influence on later literature. Readings from Aristophanes, Menander, Terence, and Plautus.

GE Core: GFA

GE Marker: GL

CCI 312 The Art and Archaeology of Egypt 3

Introduction to the archaeology of Egypt, emphasizing the relations between Egypt and the Aegean in the Bronze Age.

GE Core: GFA

GE Marker: GN

CCI 313 Archaeology of the Aegean 3

Introduction to the Minoans and Mycenaeans. The archaeology of the Aegean Islands, Crete, the coast of Asia Minor, including Troy, and the mainland of Greece in the Bronze Age.

CCI 314 Ancient Cities 3

Introduction to the great cities of the past, emphasizing the physical design of those cities, especially as it reflects changing political and social structures.

CCI 323 The World of Alexander the Great 3

An introduction to the Hellenistic period of Greek civilization, emphasizing its art and architecture, its religion and literature in their historical context.

Prerequisites: CCI 201 or CCI 211. or permission of instructor.

CCI 324 The Age of Cicero 3

Introduction to Roman literature and society in the first century BC Focus on the development of the genres of Latin literature and the relationship between politics and literature.

GE Core: GLT

GE Marker: GL

CCI 325 The Age of Augustus 3

Introduction to Roman literature and society during the reign of Augustus. Focus on the development of Latin epic poetry, historical writing, and elegy, and the relationship between authors and Emperor.

GE Core: GLT

GE Marker: GL

CCI 326 The Age of Nero 3

Introduction to Roman literature and society during the reign of Nero and his successors. Focus on readings that reflect changes in the Roman Empire of the first and second centuries.

GE Core: GLT

GE Marker: GL

CCI 327 The Age of Constantine 3

An introduction to the Roman empire under Constantine focusing on the major religious, political, artistic, and intellectual changes of the fourth century CE.

CCI 336 Language Change 3

What makes languages change and how does language change affect individuals and societies? Survey of the empirical study of language change, with insights drawn from linguistics, sociolinguistics, and anthropology.

Prerequisites: Sophomore standing or above.

CCI 340 Ancient Cosmology 3

Survey of ancient theories of the origins and configuration of the universe. Focus on Greek and Roman philosophical accounts, with some attention to Old Testament and Babylonian creation narratives.

GE Core: GPR

GE Marker: GL

CCI 350 Roman Law and Society 3

Exploration of major concepts and principles of Roman law and the society in which they developed, primarily through the study of cases from the writings by Roman jurists.

GE Marker: GL

Prerequisites: CCI 202 or CCI 324 or permission of instructor.

CCI 360 Archaeology of the Roman Provinces: Britain and Gaul 3

Archaeological study of provinces of Gaul and Britain. Following in the footsteps of Julius Caesar to look at how incorporation into the empire changed the lives of the Celtic "barbarians."

Prerequisites: CCI 212 or permission of instructor.

CCI 365 Archaeology of the Roman Provinces: Asia Minor and Syria 3

Archaeological study of Asia Minor and Syria, a region at the crossroads between East and West. Focus on the impact of the Roman Empire on Eastern culture and society.

Prerequisites: CCI 212 or permission of instructor.

CCI 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CCI 401 Archaeological Practicum 1-3

Participation in pre-approved archaeological work and opportunity to learn the field methods of classical archaeology firsthand.

Notes: May be repeated for a maximum of 6 s.h.

CCI 402 History of Latin Literature 3

A survey of Latin literature in English translation from the third century BC to the beginnings of the Middle Ages.

Prerequisites: Permission of instructor.

CCI 403 Independent Study 3

Directed program of reading, research, and individual instruction in Classical Studies.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit for up to 6 s.h.

CCI 407 Roman Myth and Legend 3

Examination of the myths and legends of ancient Rome and their connection to the history of Roman political and religious life.

Prerequisites: CCI 205.

CCI 412 The Archaeology of Roman Daily Life 3

Study of Roman daily life and the evidence from archaeology and ancient literature for daily life.

CCI 441 Ancient World: Selected Topics 3

Varying topics in ancient Near Eastern, Greek, and Roman history, including politics and public rituals, patterns of social organization, ancient slavery, and cross-cultural interactions.

Notes: May be repeated once for credit when topic varies. Same as HIS 441.

CCI 450 Internship in Classical Studies 1-6

Supervised field experience in museums or institutes devoted to the study of Ancient Greece or Rome and/or visitation of classical sites.

Prerequisites: Permission of department head.

Notes: May be repeated once, for a maximum of 6 s.h. credit.

CCI 455 UNCG in Rome 6

On-site study of the history and material culture of Rome in its social, literary, and political context from the prehistory of the city and its environs through Late Antiquity.

Prerequisites: Minimum overall GPA of 2.75 and CCI 202 or CCI 212 and permission of instructor.

CCI 479 Readings in Roman History 3

Survey of major topics in Roman history through primary sources in translation from the founding of the Republic in 509 BC to Marcus Aurelius' death in AD 180.

Prerequisites: Permission of instructor.

CCI 490 Seminar in Classical Studies 3

Seminar on the history and methodologies of scholarship in Classical Studies. Topics will vary.

Prerequisites: Permission of instructor.

Notes: May be repeated once for credit when topic changes.

CCI 493 Honors Work 3-6

Honors Work.

CCI 512 The Archaeology of Roman Daily Life 3

Study of Roman daily life and the evidence from archaeology and ancient literature for daily life.

Comm Sciences and Disorders (CSD)

CSD 150 Communication Disabilities in Film 3

Popular films and their portrayal of individuals with various speech, language, or hearing problems; how that information promotes images that are positive and negative; and how those images influence public opinion.

CSD 219 Communication Disorders Laboratory 1

Supervised therapy for students with speech, voice, language, or hearing problems.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit. Grade: Pass/Not Pass (P/NP).

CSD 250 Concepts in Communication Sciences 3

Concepts essential in understanding human communication; factors affecting life-long development and competency of speech, language and hearing.

Notes: For freshmen and sophomores.

CSD 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CSD 306 Introduction to Phonetics 3

Recording of speech using the International Phonetic Alphabet in broad transcription. General American dialects and variations.

Prerequisites: Majors only, or by permission of instructor.

Corequisites: Must be taken concurrently with CSD 307, CSD 308, and CSD 309.

Notes: Not open to freshmen or sophomores.

CSD 307 Speech and Hearing Science 3

Acoustic principles of speech and hearing; analysis of the acoustic characteristics of speech and physiological correlates; speech perception.

Prerequisites: Majors only, or by permission of instructor.

Corequisites: Must be taken concurrently with CSD 306, CSD 308, and CSD 309.

Notes: Not open to freshmen or sophomores.

CSD 308 Language and Speech Development 3

Theory and evidence of the chronological development of phonology, syntax, semantics, and pragmatics in the child.

Prerequisites: Majors only, or by permission of instructor.

Corequisites: Must be taken concurrently with CSD 306, CSD 307, and CSD 309.

Notes: Not open to freshmen or sophomores. Students cannot receive credit for both this course and SES 240.

CSD 309 Anatomy and Physiology of the Speech and Hearing Mechanism 3

Anatomical and physiological bases of human communication.

Prerequisites: Majors only, or by permission of instructor.

Corequisites: Must be taken concurrently with CSD 306, CSD 307, and CSD 308.

Notes: Not open to freshmen or sophomores.

CSD 333 Independent Study 1-3

Directed study and/or research under faculty supervision.

Prerequisites: Permission of the instructor.

Notes: May be repeated once for credit for a total of 6 s.h. Grade: Pass/Not Pass (P/NP).

CSD 334 Introduction to Audiology 3

Basic anatomy and physiology of the auditory system, fundamental hearing science, and methods and techniques of hearing measurement and interpretation for the assessment, diagnosis, evaluation, and rehabilitation of hearing disorders.

Prerequisites: Pr. or Coreq.: CSD 308, and either SES 240 or CSD 307. or permission of instructor;

Notes: Speech Pathology/Audiology and Professions in Deafness majors only.

CSD 336 Speech Sound Disorders 3

Assessment and treatment procedures of speech and sound disorders.

Prerequisites: CSD 306, CSD 307, CSD 308, and CSD 309. or permission of instructor.

CSD 337 Language Disorders 3

Nature, theory, measurement, and management of language problems across the life span.

Prerequisites: CSD 306, CSD 307, CSD 308, CSD 309.

CSD 338 Voice and Fluency Disorders 3

Basic theories and principles in the onset, development, and maintenance of stuttering and voice disorders in children and adults. Primary factors in prevention, measurement, assessment, and management.

Prerequisites: CSD 306, CSD 307, CSD 308, CSD 309 .

CSD 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CSD 450 Diagnostic Procedures: Inquiry, Observation and Measurement 3

Processes and techniques of data acquisition and analysis for the diagnosis, assessment, and evaluation of communication disorders.

Prerequisites: Completion of all CSD 300-level courses required for the major or permission of the instructor.

CSD 452 Communication and Aging 3

Development of communication in old age; factors affecting development and competency; communication evidence and theories of aging; facilitation of life-long functional communication.

Prerequisites: CSD 308 or permission of instructor.

CSD 454 Advanced Speech Science 3

Acoustic theory and methods of analysis; acoustic structure of speech and its physiological correlates; application of acoustic information to clinical management of disorders of communication.

Prerequisites: CSD 306, CSD 307, CSD 308, CSD 309.

CSD 456 Aural Rehabilitation 3

Principles of aural rehabilitation with hearing impaired adults and their significant others.

Prerequisites: CSD 334.

CSD 457 Pediatric Aural Rehabilitation 3

Study of new technologies available for children with hearing impairment and the impact of these technologies on therapy and teaching.

Prerequisites: CSD 334 for undergraduates. permission of instructor for graduate students.

CSD 471 Honors Clinical Practice in Speech-Language Pathology 3

CSD 471 offers supervised clinical experience in the treatment of communication disorders to select undergraduate students majoring in Speech Language Pathology and Audiology (SPAU).

CSD 475 Instrumentation for Communication Disorders 3

Instrumentation commonly used in communication disorders; operation and measurement techniques for clinical and research applications.

Prerequisites: Permission of instructor.

CSD 476 Structured Clinic Observations 1

Guided clinical observations and experiences as a therapy assistant in the UNCG Speech and Hearing Center.

Prerequisites: CSD 334, CSD 336, and CSD 337. or permission of instructor;

Notes: Grade: Pass/Not Pass (P/NP).

CSD 487 Introduction to Adult Language Disorders 3

Assessment, treatment, and quality of life issues associated with acquired cognitive-linguistic disorders in adults will be addressed. The targeted disorders include aphasia, dementia, and traumatic brain injury.

CSD 488 Neurology of Speech, Language and Hearing 3

An overview of neuroanatomy and neurophysiology with a concentration on neurological mechanisms related to speech, language and hearing.

Prerequisites: CSD 309 or permission of instructor.

CSD 490 Senior Honors Project 3

Independent original scholarship, completed under the supervision of a faculty member. Culminates in an original oral presentation, written document, or other creative work.

Prerequisites: Senior status and admission to the Lloyd International Honors College and the CSD Honors Program, or permission of the instructor. **Notes:** May be repeated once for credit.

CSD 493 Honors Independent Study 3-6

Directed study and/or research under faculty supervision.

Prerequisites: Senior status and admission to the Lloyd International Honors College and the CSD Honors Program, or permission of the instructor.

Notes: May be repeated once for credit.

CSD 495 Special Topics Seminar 1

Critical analysis of contemporary topics in Communication Sciences and Disorders.

Prerequisites: CSD 334, CSD 336, and CSD 337, or permission of instructor.

Notes: May be repeated for credit twice during the senior year of UNCG undergraduates. Second degree students may enroll twice during the year they are taking undergraduate courses.

CSD 550 Diagnostic Procedures: Inquiry, Observation and Measurement 3

Processes and techniques of data acquisition and analysis for the diagnosis, assessment, and evaluation of communication disorders.

Prerequisites: Completion of all CSD 300-level courses required for the major or permission of the instructor.

CSD 556 Aural Rehabilitation 3

Principles of aural rehabilitation with hearing impaired adults and their significant others.

Prerequisites: CSD 334.

CSD 557 Pediatric Aural Rehabilitation 3

Study of new technologies available for children with hearing impairment and the impact of these technologies on therapy and teaching.

Prerequisites: CSD 334 for undergraduates. permission of instructor for graduate students .

CSD 587 Introduction to Adult Language Disorders 3

Assessment, treatment, and quality of life issues associated with acquired cognitive-linguistic disorders in adults will be addressed. The targeted disorders include aphasia, dementia, and traumatic brain injury.

CSD 588 Neurology of Speech, Language and Hearing 3

An overview of neuroanatomy and neurophysiology with a concentration on neurological mechanisms related to speech, language and hearing.

Prerequisites: CSD 309 or permission of instructor.

CSD 600 Professional Issues and Ethics in Speech-Language Pathology 3

Issues related to the profession, service delivery, ethics, legal considerations, funding issues, program administration and credentialing. Content is in accordance with the American Speech-Language-Hearing Association Scope of Practice.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CSD 603 Seminar in Voice Problems 3

Investigation of current literature and theories of vocal anomalies. Organic deviations.

Prerequisites: CSD 551 or equivalent and admission to appropriate degree program or permission of instructor.

CSD 604 Fluency Disorders 2

Assessment, diagnosis, and treatment of fluency disorders in children, adolescents, and adults.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 605 Seminar in Speech and Language Pathology 3

Studies dealing with specialized areas of communication disorders. Topic to be announced each semester course is offered.

Prerequisites: Graduate-level courses in appropriate content area and admission to appropriate degree program or permission of instructor.

Notes: May be repeated for credit when topic varies.

CSD 606 Cognitive-Linguistic Disorders in Adults 3

Assessment, diagnosis, and treatment of communication disorders resulting from stroke, dementia, and traumatic brain injury.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 608 Seminar in Cleft Palate 3

Investigation of current literature and theories in cleft palate. Speech and hearing aspects; controversial procedures in repair and rehabilitation.

Prerequisites: CSD 551, CSD 570 or equivalent and admission to appropriate degree program or permission of instructor.

CSD 612 Augmentative and Alternative Communication 1

Knowledge of augmentative and alternative communications and problem-solving in the design and application of appropriate AAC systems.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 614 Language Learning Disabilities 3

Assessment and treatment of spoken and written language learning disabilities in school-age children and adolescents with special emphasis on the collaborative role of the speech-language pathologist in school-based settings.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 616 Motor Speech Disorders 3

Neurologic basis, assessment and treatment of dysarthria and apraxia.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 619 The Supervisory Process in Communication Sciences and Disorders 1

Study and practice of clinical supervision in speech-language pathology. Theoretical models of supervision, pertinent research, and clinical practice.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 627 Cultural and Linguistic Diversity in Communication Sciences and Disorders 1

Identification and treatment of speech and language differences in diverse populations.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 629 Dysphagia 3

Anatomical bases of normal and disordered swallowing in children and adults; evaluation and treatment of swallowing disorders.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 632 Introduction to Research in Communication Sciences and Disorders 3

Introduction to research procedures in the study of communication sciences and disorders.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 633 Special Projects in Communication Sciences and Disorders 3

Individual scholarly project developed by the student with faculty guidance.

Prerequisites: Admission to appropriate degree program or permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CSD 636 Prevention, Assessment, and Intervention of Communication Disorders: Birth-5 3

Communication development and disorders (speech, language, and hearing) in infants, toddlers, and preschoolers.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 637 Prevention, Assessment, and Intervention of Communication Disorders: School Age 3

Communication development and disorders in school age children and adolescents.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CSD 638 Minor Area Clinical Practicum for Speech-Language Pathology Majors 1

Instruction for speech-language pathology majors in the minor area of hearing assessment. Provides training and supervised clinical experiences in hearing screenings.

CSD 650 Independent Study 1-3

Topic to be determined by faculty advisor and student.

Prerequisites: Admission to appropriate degree program or permission of instructor and major advisor.

CSD 671 Beginning Clinical Practice in Speech-Language Pathology 5

Beginning clinical practice in the diagnosis of and therapy for communication disorders and differences.

CSD 677 Internship in Communication Disorders 3-9

Clinical experience under supervision of a certified speech-language pathologist in an off-campus facility.

Prerequisites: Permission of instructor.

CSD 678 Advanced Clinical Practice in Speech-Language Pathology 1-9

Advanced clinical practice in diagnosis of and therapy for communication disorders.

Prerequisites: Admission to appropriate degree program or permission of instructor.

Notes: Course may be repeated twice for a total of 9 credit hours when instructor determines that student requires more time in clinical practice.

CSD 679A Service Learning and Clinical Practicum in International Settings 6

Students will compare and contrast professional issues in global settings through guided study-abroad experiences, service learning experiences and interaction with students and teachers abroad while gaining clinical practicum hours.

CSD 699 Thesis 1-6

Individual guidance in the development of a specific research problem.

Prerequisites: Admission to appropriate degree program, or permission of instructor and major advisor.

CSD 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CSD 751 Professional Seminars in Communication Sciences and Disorders 1

Weekly seminar on contemporary issues in communication sciences and disorders.

Notes: May be repeated four times for credit. Grade: Satisfactory/Unsatisfactory (S/U).

CSD 760 Advanced Seminar in Communication Sciences and Disorders 3

Critical analysis of special topics in communication sciences and disorders. Topics change each semester.

Notes: May be repeated when topic varies for a maximum of 18 hours.

CSD 771 Best Practices in Teaching Communication Sciences and Disorders 3

Introduction to best practices in teaching in communication sciences and disorders.

Prerequisites: Permission of instructor for non-CSD majors.

CSD 773 Practicum in Teaching Communication Sciences and Disorders 3

Practicum in teaching in communication sciences and disorders.

Prerequisites: CSD 771 (or as corequisite). prior permission of instructor for non-CSD majors;

Notes: Course may be repeated once for credit. Grade: Satisfactory/Unsatisfactory (S/U).

CSD 780 Independent Study 1-3

Guided readings, research, and individual project work.

Prerequisites: Permission of doctoral advisory committee and graduate faculty mentor.

Notes: May be repeated for a maximum of 15 hours credit.

CSD 790 Directed Research 1-3

Individual work on directed research or topics of special interest, collection and analysis of data, critical review, integration, and interpretation of research literature on a topic pertinent to the student's research.

Prerequisites: Permission of doctoral advisory committee and graduate faculty mentor.

Notes: May be repeated for a maximum of 15 hours credit.

CSD 799 Dissertation 1-12

Prerequisite: Completion of doctoral examinations.

CSD 802 Dissertation Extension 1-3

Dissertation Extension.

CSD 803 Research Extension 1-3

Research Extension.

Comm Therap/Recr Studies (CTR)

CTR 101 Leisure and American Lifestyles 3

Examination of personal, philosophical, socio-cultural, economic, behavioral, and historical dimensions of leisure; evolution of leisure lifestyles; exploration of the interrelationship between individuals, groups, and society in the context of leisure.

GE Core: GSB

Prerequisites: Major other than RPMT.

Notes: Students may not receive credit for both CTR 101 and CTR 111.

CTR 102 Creating a Meaningful Life 3

Examine personal, social, and cultural bases for a creative and well-balanced life. Recognize and foster creative potential for lifelong personal growth, satisfying quality of life through leisure, and meaningful rewards.

CTR 111 Introduction to Recreation and Parks 3

Historical and philosophical foundations of recreation and parks; examination of agencies providing services, social and economic factors influencing recreation in contemporary society, professional organizations, and career opportunities.

Notes: RPMT majors and minors only. Students may not receive credit for both CTR 111 and CTR 101.

CTR 203 Fundamentals of Outdoor Leadership 3

Introduction to basic wilderness living skills, conservation of wild areas, sound safety practices, outdoor leadership theory, and practical application as related to a college outdoor recreation program.

Prerequisites: Permission of instructor.

CTR 212 Leadership in Recreation and Parks 3

Analysis of techniques, principles, and practices of leadership and group dynamics in recreation and parks.

CTR 213 Program Planning in Recreation and Parks 4

General principles of program planning; intensive study of program areas available to participants; analysis of methods and techniques of program design, organization, implementation, and evaluation.

CTR 231 Introduction to Therapeutic Recreation 3

Survey of key concepts, theoretical underpinnings, and procedures in clinical and community recreation settings. Focuses upon varied special needs populations, prescriptive activities, and documentations using medical charting.

CTR 241 Community Recreation 3

Operation of public, nonprofit, and commercial recreation agencies, in a community, with emphasis on types of programs and services offered, current trends, and issues impacting delivery of services.

Prerequisites: RPMT majors and minors only. or permission of instructor.

CTR 251 Professional Preparation in Recreation and Parks 1

A laboratory format course with "hands-on" experience in developing cover letters and professional resumes, job search skills, and interviewing for positions in recreation and parks.

Prerequisites: CTR 111.

Notes: RPMT majors only.

CTR 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CTR 314 Recreation Services with Underrepresented Groups 3

Awareness of and sensitivity to the needs of people with disabilities and other disenfranchised individuals with regard to planning, delivering, and evaluating recreation/leisure services in the community.

CTR 315 Practicum in Recreation and Parks 3,6

Directed practical experience in approved recreation and parks agency. Opportunities provide for student to develop knowledge, values, and skills appropriate for entry-level practice in the profession.

Prerequisites: CTR 111. CTR 212; CTR 213; CTR 231 or CTR 241; or permission of instructor; must have a cumulative 2.0 GPA to enroll;

Notes: A three (3) semester hour experience may be repeated once for a maximum of 6 s.h.

CTR 332 Clinical Procedures in Therapeutic Recreation 3

Students learn clinical skills related to the therapeutic recreation process with a focus on developing individualized treatment plans; developing goals, objectives and treatment interventions; documentation skills, discharge planning and evaluation.

Prerequisites: Pr or Coreq.: CTR 111 or permission of instructor.

CTR 338 Client Assessment in Therapeutic Recreation 3

Introduction to the theories, concepts, and techniques used in client assessment for therapeutic recreation programs and treatment.

Prerequisites: CTR 111 or permission of instructor.

CTR 342 Recreation Area and Facility Development 3

Examination of the basic procedures involved in the planning process; basic considerations in park planning and maintenance management; analysis of the methods and techniques of site evaluation, design, and maintenance management.

Prerequisites: CTR 111.

CTR 346 Campus Recreation Management 3

Basic principles and procedures of campus recreation management with emphasis on programming, maintenance, budgeting, and risk management aspects of program development.

CTR 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CTR 405 Special Topics Seminar 3

Specific course title identified by subscript, e.g., Problems Seminar: Leisure and Aging. Nature of problems themselves and their impact on societies studied.

Prerequisites: Course work in appropriate content area and/or permission of instructor.

Notes: May be repeated once for credit.

CTR 411 Financing and Budgeting in Recreation and Parks 3

Examination of the financial needs and techniques utilized in recreation and parks. Emphasis on philosophy, terminology, and measurement of economies, revenue streams, and budgets.

Prerequisites: CTR 315. Senior RPMT major, or permission of instructor.

CTR 415 Financing and Budgeting in Recreation and Parks 3

Examination of the financial needs and techniques utilized in recreation and parks. Emphasis on philosophy, terminology, and measurement of economies, revenue streams, and budgets.

Prerequisites: CTR 315. Senior RPMT major, or permission of instructor.

CTR 416 Management in Recreation and Parks 3

Principles and practices of management in recreation and parks agencies with emphasis on motivation, leadership, finance and budgeting, personnel policies and practices, and marketing and public relations.

Prerequisites: CTR 315 or permission of instructor .

CTR 417 Internship in Recreation and Parks 12

Advanced practical experience in an approved recreation and parks agency. Internship consists of a full-time placement for a minimum of 12 weeks and 480 clock hours. Therapeutic Recreation students are required to complete a full-time placement for a minimum of 14 weeks and 560 clock hours to comply with national and state credentialing standards.

Prerequisites: CTR 315 and CTR 416. must have a cumulative 2.0 GPA to enroll.

CTR 418 Research and Evaluation in Recreation and Parks 3

Analysis of research and evaluation methods in recreation and parks including problem identification, literature review, data collection methods and analysis, and report writing.

Prerequisites: CTR 315 and STA 108. or permission of instructor .

CTR 419 Directed Research in Recreation, Parks, and Tourism 3

Identification and investigation of research questions in recreation and parks. Opportunity for students to conduct research with direction from scholars in the field.

Prerequisites: Permission of instructor.

CTR 423 Meeting and Event Planning and Management 3

Comprehensive understanding of the elements necessary to conduct a quality event or meeting; emphasis on skills needed to identify, create, organize, implement, and evaluate a special event, conference, or meeting.

Prerequisites: CTR 111 and CTR 241. or permission of instructor .

CTR 429 Special Event Management 3

Study of elements necessary to manage and operate an event business; emphasis on development and presentation of event proposals, customer service, fee structures, event design, risk management, and legal issues.

Prerequisites: CTR 423 or permission of instructor .

CTR 433 Trends and Issues in Therapeutic Recreation 3

Study of trends and issues in therapeutic recreation; examination of current controversial issues, interdisciplinary team practice, supervisory functions, and professional advocacy.

Prerequisites: CTR 315 and CTR 332. or permission of instructor.

CTR 435 Animal Assisted Therapy 3

An introduction to the theories, concepts, and techniques used in animal assisted therapy in long-term care, rehabilitation, acute care hospitals, special schools, and other settings.

CTR 437 Interventions and Facilitation Techniques in Therapeutic Recreation 3

This course will prepare students to plan, implement, and evaluate a variety of therapeutic recreation using various therapeutic facilitation techniques. Relevant efficacy research and theoretical foundations will be included.

Prerequisites: Pr. or Coreq.: CTR 231 .

CTR 444 Recreation, Parks, and Health 3

Examination of evidence regarding the impacts of recreation, parks, green space, and leisure on the health and well-being of individuals and communities.

Prerequisites: Senior standing or graduate student. or permission of instructor.

CTR 451 Service Management 3

Integration of service systems management, human behavior, and marketing in the creation, delivery, and assurance of service quality and customer service.

Notes: Same as ENT 451, STH 451.

CTR 493 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major; 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

CTR 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CTR 611 Foundations of Recreation and Parks 3

Understand and apply various theories and concepts, as well as current research, which influence the study of leisure behavior and the delivery of recreation services.

CTR 613 Recreation and Parks Management 3

Theories and patterns of management appropriate for leisure service delivery systems. Organizational planning, legal foundations, financial management, personnel management, and the politics of leisure service delivery systems.

Prerequisites: CTR 611 or permission of instructor.

CTR 615 Financing and Budgeting in Recreation and Parks 3

Examination of the financial needs and techniques utilized in recreation and parks. Emphasis on philosophy, terminology, and measurement of economies, revenue streams, and budgets.

CTR 633 Professional Issues in Therapeutic Recreation 3

Study of professional issues in therapeutic recreation including professionalism, credentialing, research, professional preparation, continuing education, health care, ethics, advocacy, legislation, marketing, and role of TR managers in addressing these issues.

CTR 634 Advanced Procedures in Therapeutic Recreation 3

Health care delivery service in community and medical arenas. Role of therapeutic recreation within that system. Administrative/managerial procedures.

Prerequisites: CTR 611 or permission of instructor.

CTR 635 Animal Assisted Therapy 3

An introduction to the theories, concepts, and techniques used in animal assisted therapy in long-term care, rehabilitation, acute care hospitals, special schools, and other settings.

CTR 637 Advanced Interventions and Facilitation Techniques in Therapeutic Recreation 3

This course will prepare students to select, plan, implement, and evaluate advanced therapeutic recreation interventions using various therapeutic facilitation techniques. Relevant efficacy research and theoretical foundations will be included.

Prerequisites: CTR 611 or permission of instructor.

CTR 644 Recreation, Parks, and Health 3

Examination of evidence regarding the impacts of recreation, parks, green space, and leisure on the health and well-being of individuals and communities.

Prerequisites: Senior standing or graduate student. or permission of instructor.

CTR 646 Community Development 3

Historical, sociological, and contemporary investigations of the concept of "community" and how it is used for bringing together disparate networks, negotiating resource allocation, group solidarity and collaboration, and civic engagement.

CTR 695 Independent Study 3

Independent study to support graduate-level research and demonstration projects under the close supervision of a graduate faculty member in CTR.

Prerequisites: Permission of instructor.

Notes: May be repeated once for credit.

CTR 696 Directed Readings 3

Opportunity to conduct in-depth study and library work on a particular topic in recreation and parks under close supervision of a graduate faculty member in CTR.

Prerequisites: Permission of instructor.

Notes: May be repeated once for credit.

CTR 697 Internship in Recreation and Parks 3-6

A supervised field experience including a final paper.

Prerequisites: CTR 544, CTR 611, CTR 613, CTR 633.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CTR 698 Field Project in Recreation and Parks 3-6

A supervised field project including a major literature-based paper.

Prerequisites: CTR 544, CTR 611, CTR 613, CTR 645.

CTR 699 Thesis 1-6

Individual guidance in the development and examination of a research problem.

Prerequisites: CTR 611, CTR 613 and either ERM 604, KIN 611, SOC 616, or GRO 620 and ERM 517, HEA 604, or KIN 723 and CTR 633 and either CTR 634 or CTR 646.

CTR 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CTR 801 Thesis Extension 1-3

Thesis Extension.

CTR 803 Research Extension 1-3

Research Extension.

Communication Studies (CST)

CST 105 Introduction to Communication Studies 3

Students will learn to construct and deliver coherent oral arguments for various contexts. Principles of competent communication will be addressed. Recordings will be used to evaluate and enhance communication skills.

GE Core: GRD

CST 105R Introduction to Communication Studies Recitation 0

Recitation supplements and expands upon the content of the co-requisite course: CST 105: Introduction to Communication Studies.

Corequisites: CST 105.

CST 199 Introduction to Communication Inquiry 1

This course prepares students to ask and answer questions from a communication perspective. Students will engage critical thinking skills to evaluate evidence, interpret communication journal articles, and package information.

CST 200 Communication and Community 3

Exploration of role and impact of communication in diverse communities. Ethical and social responsibilities of civic action are examined in the context of community problem solving. Includes service learning experience in a supervised setting.

CST 207 Relational Communication 3

Contemporary theory and practice of relational communication, with emphasis on increasing awareness of strategic and ethical uses of communication to build relationships.

CST 210 Communicating Ethically 3

Provides students with an opportunity to think critically about ethical and moral dimensions of current practices in interpersonal, institutional, and public communication.

CST 300 Communication Theory 3

Critical analysis and evaluation of scientific, rhetorical, and critical theories of communication. Emphasis on how theory assists us to understand, predict, and transform society.

Prerequisites: CST 105 and junior standing.

CST 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CST 305 Persuasion in Western Culture 3

The history of rhetoric (persuasion) and its evolution in Western culture, from ancient Greece to our current age. Application of rhetorical theory/criticism to various historical and contemporary communicative events.

Prerequisites: CST 105 and junior standing.

CST 308 Organizational Communication 3

Examines contemporary organizational communication theory and practices as they enable organizations to function, change, learn, and create/recreate identities.

CST 311 Deliberation and Decision Making 3

Course content explores the theory and practice of collaborative argumentation. This includes analysis and deliberation over contemporary issues and training in reasoned, persuasive oral and written communications.

CST 315 Persuasion and Social Influence 3

Theories and practices of persuasion in critically evaluating and creating/composing persuasive messages. Role of ethics in relational, group, and mass mediated persuasive communication.

CST 333 Special Problems 1-3

Guided individual study in an area of special interest to the student.

Prerequisites: Permission of faculty supervisor.

Notes: May be repeated for credit.

CST 337 Intercultural Communication 3

Drawing from multiple theoretical perspectives, this course explores theories, research, and issues important to the understanding of communication between people from different racial, ethnic, national, and other cultural backgrounds.

CST 341 Communication and Workplace Relationships 3

Advanced communication skills applied to the workplace. Emphasis on both oral and written communication in interviewing, making presentations, and creating ethically grounded professional communication.

CST 342 Communication and Public Relations: Strategies and Innovations 3

Prepares students for effective and ethical public communication and relations on behalf of profit and not-for-profit organizations. Students conduct research, apply strategies, and utilize innovative methods to meet organizational communication objectives.

CST 343 Crisis Communication 3

Investigates the range of crises facing us in every segment of society. From readings, case studies, videos, and presentations an understanding of current communication functions relating to these issues are studied.

CST 344 Conflict Communication 3

Course explores how communication is central to expressing opposing voices and managing conflicted relationships, change, diversity/difference, and identities.

CST 350 Small Group and Team Communication 3

Theory and practice of small group/team communication, emphasizing student participation. Develops skills for leadership in small group/teams. Develops framework for analysis of effective small groups/teams.

CST 390 Speaking Center Theory and Practice 3

Explores principles of Communication Across the Curriculum, applying them to interpersonal communication, listening, group communication, public speaking, and pedagogy to prepare Communication Consultants in UNCG's Speaking Intensive program.

Prerequisites: CST 105 or CST 341 (may be taken as a corequisite). 3.0 GPA in the student's major; written permission from the Speaking Across the Curriculum Center Director.

CST 399 Communication Research Methods 3

Theoretical examination and practical application of the philosophical, ideological, and processual bases for selecting, using, and evaluating methods of conducting and reporting communication research.

CST 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CST 403 Communication Pedagogy 3

Seminar focusing on the effect of communication upon learning. For undergraduates interested in teaching or training. Emphasis on pedagogical principles and instructional materials.

Prerequisites: Permission of instructor.

CST 406 Speaking Out for Community Change 3

Exploration of theory and practice in community advocacy. Focus on public deliberation, moral conflict, and community dialogue in value-laden topics and controversies.

Prerequisites: CST 305 recommended for undergraduates.

CST 407 Gender and Communication 3

Using a case study method, this course examines the relationship of gender to communication process. Identity, language, and relationships within cultural context are key concepts under study.

Prerequisites: CST 207 or equivalent.

CST 408 Health Communication 3

Focuses on current trends in the design of health messages. Explores health campaigns, interpersonal interventions, health care institutions, and consumer-based models and participatory approaches to health.

Prerequisites: CST 105.

Notes: May be repeated once for credit.

CST 412 Communication Internship 3-6

Field learning experience using communication theory, research, and strategies in agencies and organizations within the larger community.

Prerequisites: Will vary. junior or senior status, and permission of instructor;

Notes: May be repeated for maximum of 6 s.h. credit. Open to majors only.

CST 415 Family Communication 3

Exploration of family communication, including symbols, meanings, rules, traditions, stories, secrets, roles, artifacts, and theoretical frameworks. Practical application exercises and research related to family communication practices and patterns.

CST 416 Communication and Ethnography: Writing Life 3

Intensive study and practice of methodologies of personal narrative, ethnography, autoethnography, and memoir. Examination and expression of self, identity, and communication in close personal relationships via writing life histories.

Prerequisites: Junior or senior standing.

CST 417 Communication and Friendship 3

Course focuses on communication in friendships, via a close examination of friendships in everyday and popular culture contexts. Ethnographic methodology and dialectical, narrative, and identity theory frame our study.

CST 420 Environmental Communication 3

Explores environmental communication including current issues, theoretical frameworks, ethical frameworks, and the symbolic relationship of humans to nature. Emphasizes research, analysis, critical self-reflection, and practices.

CST 421 African American Culture and Identity 3

Examines dynamic ways that African Americans construct, maintain, and negotiate their social identities in a variety of contexts. Explores the connections among race/ethnic identity, communication, and culture.

Prerequisites: Junior, senior, or graduate standing.

CST 440 Reclaiming Democracy: Dialogue, Decision-Making, Community Action 4

This course asks: How do we reclaim our democracy as a humane, inclusive process responsible to the needs of all community members and what does this require of us?

Prerequisites: Junior or senior standing.

CST 455 Relational Communication and the Hollywood Feature Film 3

Analysis and application of images, discourses, and practices concerning human communication and relationships as they are represented in the powerful cultural medium of film.

Prerequisites: Undergraduates: CST 207, CST 300 or CST 305, and upper division standing.

CST 460 Special Topics in Communication Research 3

Seminar in applying communication theory and research to current topics.

Notes: May be repeated for credit an unlimited number of times when topics vary.

CST 499 Senior Capstone 3

Graduating seniors synthesize their experience of the communication studies major by reflecting on course work and scholarly focus areas, assessing departmental learning outcomes, and constructing a career portfolio.

Prerequisites: Senior status or permission of instructor.

CST 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CST 601 Engaging Communication Scholarship I 3

Theories and research methodologies in communication studies. Emphasis on application of theory to social and cultural contexts and use of methods to solve research problems/answer research questions.

CST 602 Engaging Communication Scholarship II 3

Study of theories and research methodologies in communication studies. Application of communication theory to social and cultural contexts and use of methods to solve research problems/answer research questions.

CST 603 Communication Pedagogy 3

Seminar focusing on the effect of communication upon learning. For graduate teaching assistants in any discipline, graduates or undergraduates interested in teaching or training. Emphasis on pedagogical principles and instructional materials.

Prerequisites: Graduate status or permission of instructor.

CST 606 Speaking Out for Community Change 3

Exploration of theory and practice in community advocacy. Focus on public deliberation, moral conflict, and community dialogue in value-laden topics and controversies.

Prerequisites: CST 305 recommended for undergraduates.

CST 612 Seminar in Communication Studies 3

Subject matter varies.

Prerequisites: Admission to appropriate degree program or permission of instructor.

Notes: May be repeated for credit.

CST 621 African American Culture and Identity 3

Examines dynamic ways that African Americans construct, maintain, and negotiate their social identities in a variety of contexts. Explores the connections among race/ethnic identity, communication, and culture.

Prerequisites: Junior, senior, or graduate standing.

CST 630 Organization, Democracy, and Community 3

Draws upon critical organizational communication and critical/cultural studies to consider the role of communication in creating and sustaining democratic organizing in micro, meso, and macro contexts.

CST 632 Seminar in Communication Ethics 3

Theory and practice of communication ethics in a free society. Issues and cases ranging from intrapersonal to mass media communication situations.

Prerequisites: Admission to appropriate degree program or permission of instructor.

CST 635 Identity, Culture, and Communication 3

Takes critical/cultural studies approaches to examine how culturally significant identity sites such as race, ethnicity, gender, and diaspora are constructed, negotiated, and resisted through communication.

CST 650 Independent Study 1-3

Topic to be determined by faculty advisor and student.

CST 652 Research Practicum in Communication 1-3

Engagement in communication research with the direct supervision of a member of the Graduate Faculty.

Prerequisites: Permission of Graduate Faculty member with whom student wishes to work.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CST 655 Relational Communication and the Hollywood Feature Film 3

Analysis and application of images, discourses, and practices concerning human communication and relationships as they are represented in the powerful cultural medium of film.

CST 659 Communication and Gendered Communities 3

Ways in which communication process constructs gendered communities. Analysis of gendered language codes, speech communities, and messages that transform community.

CST 698 Capstone Experience in Communication (Final Research Project) 1-3

Synthesis of theories, research methods, and practices of communication that will shape the 21st Century, demonstrated through independent scholarly research conducted in consultation with faculty committee.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CST 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CST 803 Research Extension 1-3

Research Extension.

Comp Trans/Post Second Ed (CTP)

CTP 104 Principles of Advocacy 3

Introduction to principles of advocacy with emphasis on self-determination and personal responsibility in relationship to self, peers and community.

Prerequisites: Integrative Community Studies student.

CTP 106 Introduction to Personal Finance 3

Introduction to basic financial literacy skills including assessment of personal resources, budgeting and goal setting, and prioritization and/or tracking of personal spending habits.

Prerequisites: Integrative Community Studies student.

CTP 111 Academic Success Planning 3

Introduction to student-centered academic planning and goal setting with an emphasis on strategies for success in a college environment.

Prerequisites: Integrative Community Studies student.

CTP 124 Human Rights 3

Overview of concepts related to human rights, including Universal Declaration of Human Rights, different civil rights movement in the U.S., and the impact of discrimination on marginalized groups.

Prerequisites: Integrative Community Studies student.

CTP 126 Financial Services, Providers, and Products 3

Designed to increase knowledge of the different characteristics and functions of financial services and providers in the U.S., along with exploration of personal relationship to banking.

Prerequisites: Integrative Community Studies student.

CTP 158 Introduction to Dimensions of Campus and Community 3

Introduction to exploring a new campus community and making the most out of what it has to offer socially and recreationally, given individual interest and desires.

Prerequisites: Integrative Community Studies student.

Notes: May be repeated for a total of 6 s.h.

CTP 190 First Year Practicum 2

Course designed to enhance student's understanding of personal management and success through experiential learning activities.

Prerequisites: Integrative Community Studies student.

Notes: May be repeated once for credit.

CTP 191 Introductory Independent Study 3

Course is designed to provide the student with an introductory opportunity to participate in the creation of academic learning experiences geared to individual needs, interests, aptitudes, and desired outcomes through and independent academic project.

CTP 204 Self-Determination and Community Engagement 4

Through this course, students will explore and apply knowledge of the relationship between personal advocacy and self-determination in the context of community engagement.

Prerequisites: Integrative Community Studies student.

CTP 206 Financial Security on a Budget 3

Expanding knowledge of personal finance methods and strategies for maximizing financial resources as a student in college.

Prerequisites: CTP 106. Integrative Community Studies student.

CTP 211 Navigating College Life 3

Interactive seminar designed to build on student's knowledge of personal responsibility skills required for successful navigation of life on campus and in community.

Prerequisites: Integrative Community Studies student.

CTP 214 Legislative Action 4

Exploration of the basic functions of the various branches and areas of government, legislative processes, options for taking action, and personal interaction with legislators and public officials.

Prerequisites: Integrative Community Studies student.

CTP 224 Holistic Success Planning 3

Provides opportunities for deeper engagement with person-centered planning process through class-led meetings and activities.

Prerequisites: Integrative Community Studies student.

CTP 257 Career Exploration 3

Exploration of personal interests and strengths related to career goals: resume building, informational interviewing, and other discovery-related activities.

Prerequisites: Integrative Community Studies student.

CTP 258 Comprehensive Transition and Postsecondary Education 3

Follow-up to CTP 158, with emphasis on personal reflection and development of ability to adapt to a variety of social and recreational activities and/or settings in the greater community.

Prerequisites: CTP 158. Integrative Community Studies student;

Notes: May be repeated once for credit.

CTP 267 Internship Preparation 3

Professional preparation and planning for 156 hour internship experience.

Prerequisites: CTP 257. Integrative Community Studies student.

CTP 290 Sophomore Practicum 2

Course designed to give students an opportunity to further develop personal management and success through experiential learning activities.

Prerequisites: Integrative Community Studies student.

Notes: May be repeated once for credit.

CTP 291 Independent Study 3

Course is designed to provide the student with an opportunity to participate in the creation of academic learning experiences that are foundational to the ICS program of study through an independent academic project.

CTP 306 Essential Elements of Credit Management 3

Expanding knowledge of credit building and management skills including ability to protect oneself against identity theft, impact of bankruptcy, and other concepts related to long-term financial stability.

Prerequisites: Integrative Community Studies student.

CTP 314 Planning to Protect Your Rights 3

Exploration of individualized methods of goal planning and development of support networks with eye to preservation of person-centered process through a firm understanding of the Disability Rights Movement.

Prerequisites: CTP 224. Integrative Community Studies student.

CTP 324 Directing Your Resources 3

Interactive seminar designed to broaden knowledge of philosophy of self-direction and practical strategies for building self-directed supports in the community.

Prerequisites: CTP 224. CTP 314; or permission of instructor; Integrative Community Studies student.

CTP 326 Personal Financial Planning Seminar 3

Interactive seminar providing overview of taxpayer rights and responsibilities, tax regulations, and expansion of asset building strategies. Culmination of CTP finance curriculum offering basis for development of post-college financial plan.

Prerequisites: CTP 106. CTP 206; CTP 306; Integrative Community Studies student.

CTP 390 Junior Practicum 3

Course designed to enhance student's understanding of personal management and success through experiential learning activities in their junior year at UNCG.

CTP 391 Advanced Independent Study 3

Course is designed to provide the student with an opportunity to participate in the creation of academic learning experiences through the development of an advanced independent academic project that furthers learning in a desired area of interest.

CTP 393 Internship 2

Practical experience in the desired career field.

Prerequisites: CTP 257. CTP 267; Integrative Community Studies student;

Notes: May be repeated once for credit.

CTP 404 Senior Seminar 3

Interactive seminar that focuses on the development of presentation skills and strategies for the effective use of the senior capstone portfolio as a tool for sustained self-direction.

Prerequisites: Integrative Community Studies student.

Notes: May be repeated for a total of 6 s.h.

CTP 459 Senior Practicum 3

Guided practice of activities designed to increase self-direction skills.

Prerequisites: Integrative Community Studies student.

CTP 490 Senior Capstone Portfolio 3

Development of senior portfolio that outlines student progress and overall command of the learning outcomes within the program of study.

Prerequisites: Integrative Community Studies student.

Notes: May be repeated once for credit.

CTP 492 Internship and Job Development 3

Practical experience in desired career field with emphasis on development of skills necessary to identify job-related needs and negotiate with potential employers.

Prerequisites: CTP 257. CTP 267; CTP 393; Integrative Community Studies student;

Notes: May be repeated once for credit.

Computer Science (CSC)

CSC 100 The Beauty and Joy of Computing 3

A broad-based introduction to key concepts and principles of computer science. Exploration of seven big ideas of computing: creativity, abstraction, data, algorithms, programming, the Internet, and impact of computing.

CSC 101 Introduction to Computer Concepts 3

Introduction to computers and computing. Topics cover impact of computers on society, ethical issues, hardware, and software applications.

CSC 110 Computational Problem Solving 3

Using computing to apply mathematical concepts in developing algorithmic solutions to real-world problems, stressing analysis and logical reasoning. A modern programming language will be introduced for examples and assignments.

GE Core: GMT

Prerequisites: Non-Computer Science majors only or permission of instructor.

CSC 120 Introduction to Computer Programming for Non-Majors 3

Introduction to computer programming for non-computer science majors, including programming concepts of variables, expressions, decision statements, iteration, functions, and modular design. Language and applications chosen to be relevant to non-majors.

CSC 130 Introduction to Computer Science 3

Programming in a high-level language. Emphasis on problem analysis, problem-solving techniques, and software design principles and techniques.

Prerequisites: Acceptable score on the computer science placement test or a grade of at least C (2.0) in MAT 120, MAT 150, MAT 151, MAT 190, or MAT 191.

Notes: Computer Science majors should not take MAT 120.

CSC 230 Elementary Data Structures and Algorithms 3

Advanced syntax of high level language taught in CSC 130. Emphasis on modularization and abstraction. Big-O analysis of algorithms. Design and use of abstract data types with various implementations.

Prerequisites: Grade of at least C (2.0) in CSC 130.

CSC 250 Foundations of Computer Science I 3

An introduction to the fundamental ideas underlying contemporary computer science with a focus on the computation and construction of objects.

Prerequisites: Grade of at least C (2.0) in CSC 130 or permission of instructor.

CSC 261 Computer Organization and Assembly Language 3

Introduction to the organization of the computer through the use of Assembly Language programming. Data representation, parts of the computer system, Assembly Language fundamentals, instruction sets, memory, and floating-point operations.

Prerequisites: Grade of at least C (2.0) in CSC 230 and in CSC 250, or permission of instructor.

CSC 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CSC 312 Ethics in Computer Science 1

Historical and social context of computing, ethical responsibilities of the computing professional, intellectual property rights, and risks and liabilities.

Prerequisites: Grade of at least C (2.0) in CSC 230 and in CSC 250, or permission of instructor.

Notes: Computer Science majors only.

CSC 330 Advanced Data Structures 3

Static and dynamic data structures emphasizing binary trees and graphs. Advanced programming techniques. Advanced sorting and searching algorithms. Hashing techniques. Performance analysis. Methods of developing large applications programs.

Prerequisites: Grade of at least C (2.0) in CSC 230 and in CSC 250.

CSC 339 Concepts of Programming Languages 3

Concepts of block-structured, object-oriented, functional, logic, and concurrent programming languages. Comparative study of syntactic and semantic features of these languages and writing programs using them.

Prerequisites: Grade of at least C (2.0) in CSC 330.

CSC 340 Software Engineering 3

Practical and theoretical concepts of software engineering.

Prerequisites: Grade of at least C (2.0) in CSC 330.

CSC 350 Foundations of Computer Science II 3

High level concepts in the theoretical foundations of computer science.

Prerequisites: Grade of at least C (2.0) in CSC 250, or permission of instructor.

CSC 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CSC 405 Data Science 3

Problem-based learning introduction to Data Science, including programming with data; data mining, munging, and wrangling; statistics, analytics, visualization; and applied machine learning, directed towards scientific, social, and environmental challenges.

Prerequisites: A grade of C or better in CSC 330 and (STA 271 or STA 290), or permission of instructor (prior programming and statistics experience is required).

CSC 407 Network Analysis 3

Concepts and methods of network analysis, including network data extraction, management, model, visualization, and analysis of network structure and dynamics.

Prerequisites: Grade C or better in CSC 330, or permission of instructor.

CSC 410 Big Data and Machine Learning 3

Big data definitions and characteristics, computing environment for big data management and processing, machine learning models and algorithms, and scaling up machine learning (high dimensionality reduction).

Prerequisites: CSC 330. MAT 191; STA 271;

Corequisites: CSC 477. MAT 292.

CSC 415 Computer Graphics 3

Survey of graphics algorithms, data structures, and techniques.

Prerequisites: Grades of at least C (2.0) in CSC 340, CSC 350, and MAT 292, or permission of instructor.

CSC 416 Digital Image Processing 3

Image representation, enhancement, compression, coding, restoration, and wavelet transforms.

Prerequisites: Grades of at least C (2.0) in CSC 330, CSC 350, and MAT 292, or permission of instructor. Successful completion of STA 271 or STA 290 recommended.

CSC 425 Bioinformatics 3

Introduction to the problems and methods in Bioinformatics. Problem areas include restriction mapping, map assembly, sequencing, DNA arrays, and sequence comparison.

Prerequisites: Permission of instructor.

CSC 427 Numerical Analysis and Computing 3

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

Prerequisites: Grades of at least C (2.0) in CSC 350 and MAT 293, or permission of instructor.

CSC 429 Artificial Intelligence 3

Logical foundations, knowledge representation and reasoning, search, and selected topics such as natural language processing and reasoning under uncertainty.

Prerequisites: Grade of at least C (2.0) in CSC 330 and CSC 350 or permission of instructor.

CSC 439 Introduction to Compiler Design 3

Basic techniques of compiler design and implementation: lexical analysis, parsing, code generation. Sizable programming project implementing a compiler for a block-structured language with strong typing.

Prerequisites: Grades of at least C (2.0) in CSC 261 and CSC 330 or permission of instructor.

Notes: Successful completion of CSC 432 helpful.

CSC 442 Human-Computer Interface Development 3

Survey of concepts and techniques for human-computer interface development. Topics include user-centered design, user interface programming, and usability evaluation.

Prerequisites: Grades of at least C (2.0) in CSC 340 or permission of instructor.

CSC 452 Theory of Computation 3

Finite state automata and regular expressions, context-free grammars, push-down automata and their use in parsing, overview of language translation systems, models for programming language semantics, computability and undecidability.

Prerequisites: Grade of at least C (2.0) in CSC 350. or permission of instructor.

CSC 454 Algorithm Analysis and Design 3

Sequential algorithm design and complexity analysis. Dynamic programming. Greedy algorithms. Graph algorithms. Selected advanced topics from NP-completeness; approximation, randomized, parallel, number-theoretic algorithms; Fast Fourier Transform; computational geometry; string matching.

Prerequisites: Grade of at least C (2.0) in CSC 330.

CSC 461 Principles of Computer Architecture 3

Hardware and software components of computer systems, their organization and operations. Topics: comparative instruction set architectures, microprogramming, memory management, processor management, I/O, interrupts, and emulation of processors.

Prerequisites: Grades of at least C (2.0) in CSC 261, CSC 330, and CSC 350, or permission of instructor.

CSC 462 Principles of Operating Systems 3

Techniques and strategies used in operating system design and implementation: managing processes, input/output, memory, scheduling, file systems, and protection.

Prerequisites: Pr. grades of at least C (2.0) in CSC 261 and CSC 340 or permission of instructor.

Notes: Successful completion of CSC 461 helpful.

CSC 471 Principles of Database Systems 3

Contemporary database systems. Emphasis on query processing, design, and implementation of applications in relational (SQL) databases. Introduction to other database models such as XML, object-oriented, and deductive.

Prerequisites: Grade of at least C (2.0) in CSC 330, or permission of instructor.

CSC 477 Principles of Computer Networks 3

Hardware and software components of computer networks, their organization and operations. Topics: open system interconnection; local area networks; TCP/IP internetworking, routing, and packet switching; network programming.

Prerequisites: Grades of at least C (2.0) in CSC 261 and CSC 330, or permission of instructor.

CSC 478 Principles of Wireless Networks 3

Digital communications, communication networks, wireless communication technology, wireless networking, wireless LANs, and wireless network programming.

Prerequisites: Grades of at least C (2.0) in CSC 330 and CSC 477, or permission of instructor.

CSC 481 Principles of Computer Security 3

Core concepts in computer security, including the security goals of confidentiality, integrity, and availability; authentication; access control; security software development; use of cryptography; and basic network security.

Prerequisites: Grade of C or better in CSC 261 and CSC 330, or permission of instructor.

CSC 485 Modern Cryptography 3

Theory and practice of cryptography, emphasizing formal models and security reasoning. Primitives covered include private and public-key encryption, message authentication codes, hash functions, digital signatures, secret sharing, and zero-knowledge proofs.

Prerequisites: A grade of C or better in CSC 481, or permission of instructor.

CSC 487 Network Security 3

The course explores the network security concepts of communication protocols; security in routing; remote authentication; access policies; web security; network vulnerabilities; intrusion detection and prevention; and network traffic analysis.

Prerequisites: Grade of C or better in CSC 481 or permission of instructor.

CSC 490 Senior Capstone 3

Application of classroom knowledge and skills in computer science to solve real-world problems and to develop research and development skills.

Prerequisites: Permission of instructor. student must be in the final semester of major coursework.

CSC 492 Directed Study in Computer Science 1-3

Directed Study in Computer Science.

CSC 493 Honors Work in Computer Science 3

Research in a topic of special interest at the Honors level.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic changes.

CSC 494 Directed Study in Computer Science 1-3

Notes: Grade: Pass/Not Pass (P/NP).

CSC 495 Selected Topics in Computer Science 3

A topic of special interest is studied in depth.

Prerequisites: Junior standing and permission of instructor.

Notes: May be repeated for credit for a total of 6 s.h. when topic of study changes.

CSC 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CSC 605 Data Science 3

Problem-based learning introduction to Data Science, including programming with data; data mining, munging, and wrangling; statistics, analytics, visualization; and applied machine learning, directed towards scientific, social, and environmental challenges.

Prerequisites: A grade of C or better in CSC 330 and (STA 271 or STA 290), or permission of instructor (prior programming and statistics experience is required).

CSC 607 Network Analysis 3

Concepts and methods of network analysis, including network data extraction, management, model, visualization, and analysis of network structure and dynamics.

Prerequisites: Permission of Instructor.

CSC 610 Big Data and Machine Learning 3

Big data definitions and characteristics, computing environment for big data management and processing, machine learning models and algorithms, and scaling up machine learning (high dimensionality reduction).

Prerequisites: CSC 330. MAT 191; STA 271;

Corequisites: CSC 567. MAT 292.

CSC 615 Computer Graphics 3

Survey of graphics algorithms, data structures, and techniques.

Prerequisites: Grades of at least C (2.0) in CSC 340, CSC 350, and MAT 292, or permission of instructor.

CSC 616 Digital Image Processing 3

Image representation, enhancement, compression, coding, restoration, and wavelet transforms.

Prerequisites: Grades of at least C (2.0) in CSC 330, CSC 350, and MAT 292, or permission of instructor. Successful completion of STA 271 or STA 290 recommended.

CSC 625 Bioinformatics 3

Introduction to the problems and methods in Bioinformatics. Problem areas include restriction mapping, map assembly, sequencing, DNA arrays, and sequence comparison.

Prerequisites: Permission of instructor.

CSC 627 Numerical Analysis and Computing 3

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

Prerequisites: Grades of at least C (2.0) in CSC 350 and MAT 293, or permission of instructor.

CSC 629 Artificial Intelligence 3

Logical foundations, knowledge representation and reasoning, search, and selected topics such as natural language processing and reasoning under uncertainty.

Prerequisites: Grade of at least C (2.0) in CSC 330 and CSC 350 or permission of instructor.

CSC 639 Introduction to Compiler Design 3

Basic techniques of compiler design and implementation: lexical analysis, parsing, code generation. Sizable programming project implementing a compiler for a block-structured language with strong typing.

Prerequisites: Grades of at least C (2.0) in CSC 261 and CSC 330 or permission of instructor.

Notes: Successful completion of CSC 553 helpful.

CSC 640 Software Engineering 3

Organization and scheduling of software engineering projects and structured software design. Specification methods, metrics, software engineering tools, design, prototyping, version control, and testing.

Prerequisites: CSC 330 or permission of instructor.

CSC 642 Human-Computer Interface Development 3

Survey of concepts and techniques for human-computer interface development. Topics include user-centered design, user interface programming, and usability evaluation.

Prerequisites: Grades of at least C (2.0) in CSC 340 or permission of instructor.

CSC 652 Theory of Computation 3

Finite state automata and regular expressions, context-free grammars, push-down automata and their use in parsing, overview of language translation systems, models for programming language semantics, computability and undecidability.

Prerequisites: Grade of at least C (2.0) in CSC 350. or permission of instructor.

CSC 653 Advanced Theory of Computation 3

Computability theory including Church-Turing thesis (Turing machines, variants, other models), decidability (decidable and undecidable problems for automata and grammars, the halting problem), reducibility (undecidability of mathematical truth).

Prerequisites: CSC 553, or permission of instructor.

CSC 654 Algorithm Analysis and Design 3

Sequential algorithm design and complexity analysis. Dynamic programming. Greedy algorithms. Graph algorithms. Selected advanced topics from NP-completeness; approximation, randomized, parallel, number-theoretic algorithms; Fast Fourier Transform; computational geometry; string matching.

Prerequisites: Grade of at least C (2.0) in CSC 330.

CSC 655 Advanced Topics in Algorithms 3

Modern development of algorithm design and analysis for sequential and parallel computers; parallel, number-theoretic, probabilistic, and approximation algorithms, string matching, computational geometry, NP-completeness: worst-case versus average-case.

Prerequisites: Grade of at least C in CSC 555.

CSC 656 Foundations of Computer Science 3

Introduces the mathematical foundations that support advanced studies in computer science including computer programming and the analysis of algorithms.

Prerequisites: CSC 350 or permission of instructor.

CSC 661 Principles of Computer Architecture 3

Hardware and software components of computer systems, their organization and operations. Topics: comparative instruction set architectures, microprogramming, memory management, processor management, I/O, interrupts, and emulation of processors.

Prerequisites: Grades of at least C (2.0) in CSC 261, CSC 330, and CSC 350, or permission of instructor.

CSC 662 Principles of Operating Systems 3

Techniques and strategies used in operating system design and implementation: managing processes, input/output, memory, scheduling, file systems, and protection.

Prerequisites: Pr. grades of at least C (2.0) in CSC 261 and CSC 340 or permission of instructor.

Notes: Successful completion of CSC 561 helpful.

CSC 663 Advanced Topics in Computer Systems 3

Distributed and parallel systems. High-speed and wireless networks. Mobile computing. Communication, synchronization, distributed shared memory, real-time and fault-tolerant systems; current implementations.

Prerequisites: CSC 330 and CSC 567 or CSC 561 or CSC 562 or permission of instructor.

Notes: May be repeated for credit when topics vary.

CSC 671 Advanced Database Systems 3

Modern database models. User interface and operations. Applications design. Introduction to multi-database systems: interoperability and data integration. Selected topics of current interest.

Prerequisites: CSC 330 or permission of instructor.

CSC 672 Database System Architecture 3

File organization and indexing techniques. Query processing and optimization. Concurrency control and crash recovery. Distributed and heterogeneous database systems. Selected topics of current interest in database and knowledge-base systems.

Prerequisites: CSC 570 or CSC 671, or permission of instructor.

CSC 676 Topics in Database Systems 3

Selected topics of current interest such as: deductive databases, modeling and management of uncertain and inaccurate information, multi-database systems, data mining, on-line analytical processing and data warehousing.

Prerequisites: CSC 671 or permission of instructor.

CSC 677 Principles of Computer Networks 3

Hardware and software components of computer networks, their organization and operations. Topics: open system interconnection; local area networks; TCP/IP internetworking, routing, and packet switching; network programming.

Prerequisites: Grades of at least C (2.0) in CSC 261 and CSC 330, or permission of instructor.

CSC 678 Principles of Wireless Networks 3

Digital communications, communication networks, wireless communication technology, wireless networking, wireless LANs, and wireless network programming.

Prerequisites: Grades of at least C (2.0) in CSC 330 and CSC 567, or permission of instructor.

CSC 681 Principles of Computer Security 3

Core concepts in computer security, including the security goals of confidentiality, integrity, and availability; authentication; access control; security software development; use of cryptography; and basic network security.

Prerequisites: Grade of C or better in CSC 261 and CSC 330, or permission of instructor.

CSC 685 Modern Cryptography 3

Theory and practice of cryptography, emphasizing formal models and security reasoning. Primitives covered include private and public-key encryption, message authentication codes, hash functions, digital signatures, secret sharing, and zero-knowledge proofs.

Prerequisites: Grade of C or better in CSC 581, or permission of instructor.

CSC 687 Network Security 3

The course explores the network security concepts of communication protocols, security in routing, remote authentication, access policies, web security, network vulnerabilities, intrusion detection and prevention, and network traffic analysis.

Prerequisites: Grade of C or better in CSC 581 or permission of instructor.

CSC 692 Directed Study in Computer Science 1-3

Directed Study in Computer Science.

CSC 693 Advanced Topics in Computer Science 3-6

Algorithms, architecture, languages, systems, theory, or other areas of computer science.

Prerequisites: Permission of instructor.

Notes: May be repeated once for credit.

CSC 694 Directed Study in Computer Science 1-3

Notes: Grade: Pass/Not Pass (P/NP).

CSC 697 Research Problems in Computer Science 3

Advanced research in specialized areas of computer science under the direction of a faculty member. Preparation for master's thesis.

Prerequisites: Permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CSC 698 Project in Computer Science 3-6

Prerequisite: Permission of instructor;

Notes: May be repeated for up to 6 credit hours with permission of instructor. Grade: Satisfactory/Unsatisfactory (S/U).

CSC 699 Thesis 1-6

Individual guidance in the development of a specific research problem.

CSC 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CSC 801 Thesis Extension 1-3

Thesis Extension.

CSC 803 Research Extension 1-3

Research Extension.

Consortium (CNS)

CNS 100A Inter-Institutional Bennett 99.99

CNS 100B Inter Inst Greensboro College 99.99

CNS 100C Inter Inst Guilford College 99.99

CNS 100E Inter Inst High Point College 99.99

CNS 100F Inter Inst N C A/T State Univ 99.99

CNS 100G Inter Inst UNC Chapel Hill 99.99

CNS 100H Inter Inst N C State Univ 99.99

CNS 100I Inter Inst Duke University 99.99

CNS 100J Inter Inst UNC Charlotte 99.99

CNS 100K Inter Inst Guil Tech Comm Coll 99.99

CNS 100L Inte Inst Elon University 99.99

CNS 100M Inter Inst N C Central Univ 99.99

CNS 500 Consortium Elective 1-6

CNS 550 Consortium Elective 1-6

Consumer, Apparel, Retail Stds (CRS)

CRS 211 Textile Science: From Fiber to Finish 3

Principles of textile science with emphasis on fiber chemical composition, physical structure, and properties; analyses of yarn and fabric structures and properties; and fundamentals of coloration and finishing.

CRS 221 Culture, Human Behavior, and Clothing 3

Interaction of clothing and textiles with the individual and society: sociological and psychological implications for non-Western cultures.

GE Core: GSB

GE Marker: GN

CRS 231 Introduction to Apparel and Related Industries: From Concept to Consumer 3

Interaction of the consumer with apparel, retail, and associated industries. Overview of industry processes from raw material to consumption for apparel and other consumer products. Career opportunities explored.

CRS 242 Design Principles and Technology 3

Application of the elements and principles of design to analysis of textile products and solution of design problems. Emphasis on textile product design evaluations through verbal and written communications.

Prerequisites: CARS major.

CRS 255 Consumer Behavior in Apparel and Related Industries 3

An interdisciplinary study of how and why consumers make specific decisions and behave as they do. Principles and strategic implications of consumer behaviors for apparel and related industries.

CRS 262 Fashion Marketing and Communication 3

Integrated marketing communication approach to consumer, apparel, and retailing communication issues. Special emphasis put on professional oral and visual communication of advertising and promotional concepts.

CRS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CRS 312 Technical Apparel Analysis 3

Overview of the physical structure and properties of fiber, yarns, fabric, and apparel. Examination and evaluation of ready-to-wear apparel and related consumer goods from a consumer perspective.

Prerequisites: Minimum grade of C (2.0) in CRS 211.

Corequisites: CRS 312L.

CRS 312L Technical Apparel Analysis Lab 0

Laboratory supporting CRS 312.

Prerequisites: Minimum grade of C (2.0) in CRS 211.

Corequisites: CRS 312.

Notes: No grade is awarded with this course number. Grades are awarded with the lecture course.

CRS 321 Social Psychology of Dress 3

Social and cognitive processes related to the meanings people assign to clothing cues when perceiving one another. Focus on appearance-related stereotypes: age, gender, physical attractiveness, status, and ethnicity.

GE Core: GSB

CRS 331 Professional Development: Consumer, Apparel, and Retail Industries 3

Guidance and preparation for relevant and successful internship experiences in the major. Emphasis on professional norms and behavior. Examination of processes, content, requirements, and options for self-directed learning opportunities.

Prerequisites: Overall minimum GPA of 2.20 required for all concentrations. Minimum grade of C (2.0) in APD 252 for Apparel Design concentration; Minimum grade of C (2.0) in RCS 361 for GARI and RCS concentrations.

CRS 332 Internship: Consumer, Apparel, and Retail Industries 6

Campus-monitored, structured internship experiences in off-campus businesses, minimum 300 supervised clock hours. Application and development of professional skills directly related to the student's concentration in the major.

Prerequisites: Minimum grade of C (2.0) in CRS 331. overall GPA of 2.20; 18 s.h. in major; restricted to CARS majors;

Notes: May not be taken concurrently with CRS 331.

CRS 363 Global Sourcing of Apparel and Related Consumer Products 3

Sourcing strategies for apparel and related consumer products, global platforms, business and cultural environments, and financial transactions used in conducting business in the international marketplace.

Prerequisites: Minimum grade of C (2.0) in CRS 231.

CRS 372 Survey of Historic Costume 3

Survey of historic costume from prehistory to present, with emphasis on social, economic, and political events as well as various cultures that have influenced modern dress.

GE Core: GHP

LEC: GMO

CRS 400 Special Problems in Consumer Apparel and Retail Studies 1-4

Individual study. Conference hours to be arranged.

Prerequisites: Permission of instructor .

CRS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CRS 405 Retail Data Analytics 3

Beginning graduate course in research methodology within the domains of consumer, apparel, and retailing. Concepts, frameworks, and relationships of theory and research. Epistemological issues, types of analysis, methods.

CRS 450 Economics of the Textile and Apparel Complex 3

Economics and social aspects of production, distribution, and utilization of apparel and textiles.

Prerequisites: Grade of C or better in ECO 201 or its equivalent as determined by the instructor. or graduate standing.

CRS 470 Apparel Brand Management 3

All aspects of managing an apparel brand portfolio, including creating and positioning the brand, establishing brand equity and differentiation, and providing a brand experience for global apparel consumers.

CRS 481 Contemporary Professional Issues in Consumer, Apparel, and Retail Studies 3

Study of contemporary issues related to consumer, apparel, and retail studies. Application of knowledge and skills to solve real world industry problems.

Prerequisites: For Apparel Design concentration: minimum grade of C (2.0) in APD 341. For GARI concentration: minimum grade of C (2.0) in RCS 464; For RCS concentration: minimum grade of C (2.0) in RCS 460.

CRS 482 Special Problems in Consumer, Apparel, and Retail Studies 1-4

Study tours. Conference hours to be arranged.

Notes: May be repeated once for a total of four (4) semester hours.

CRS 483 Problems in Consumer, Apparel, and Retail Studies 2-6

Individual study.

CRS 493 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major.

CRS 570 Apparel Brand Management 3

All aspects of managing an apparel brand portfolio, including creating and positioning the brand, establishing brand equity and differentiation, and providing a brand experience for global apparel consumers.

CRS 582 Problems in Consumer, Apparel, and Retail Studies 2-6

Individual study.

CRS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CRS 605 Retail Data Analytics 3

Beginning graduate course in research methodology within the domains of consumer, apparel, and retailing. Concepts, frameworks, and relationships of theory and research. Epistemological issues, types of analysis, methods.

Prerequisites: RCS 355.

CRS 620 Analysis of Apparel and Related Industries 3

Analysis of apparel and related industries from raw materials through consumption. Examination of production and marketing of products, technological developments, and domestic and global market strategies.

CRS 630 Economic Dynamics of the Retail Complex 3

Application of economic concepts to consumption behaviors in the retail industry with special emphasis on apparel and related products. Impact of history, trends, brands, and demographics explored.

Prerequisites: CRS 530 and MBA 603 or permission of instructor.

CRS 632 Supervised Industry Practicum in Consumer, Apparel, and Retail Studies 3-6

Supervised industry practicum combining practical and academic elements. Course supervised by the Director of Graduate Study or designated faculty member.

Prerequisites: Permission of Director of Graduate Study.

Notes: Six hours of this course may be taken in one semester or three hours may be taken in two consecutive semesters.

CRS 682 Graduate Seminar in Consumer, Apparel, and Retail Studies 3

Fundamentals of graduate studies in Consumer, Apparel, and Retail Studies, including guidelines for development and evaluation of research.

CRS 685 Problems in Retail and Consumer Studies 1-3

Individual study. Investigation of problems in retail and consumer studies.

CRS 690 Minor Research 2-6**CRS 699 Thesis 1-6****CRS 701 Literature and Thought in Consumer, Apparel, and Retail Studies 3**

Overview of concepts, frameworks, theory, thought, and empirical research within the domains of consumer, apparel, and retailing. Emphasis on contemporary thinking and identifying opportunities and directions for future research streams.

Prerequisites: Admission to PhD in consumer, apparel, and retail studies and permission of instructor.

CRS 712 Theory Development in Consumer, Apparel, and Retail Studies 3

Examination of business related marketing theories to consumer, apparel, and retail studies. Analysis of marketing theories, models, and conceptual frameworks. Includes business-to-business, consumer, customer relationship, and economic theories.

Prerequisites: CRS 630, CRS 660, CRS 662 or permission of instructor.

CRS 713 Qualitative Methodology in Consumer, Apparel, and Retail Studies 3

Exploration of development and use of qualitative research methodology in consumer, apparel, and retail studies. Focus on application of qualitative methodology to diverse research problems, data collection procedures, and analysis approaches.

CRS 714 Advanced Quantitative Methods in Consumer, Apparel, and Retail Studies 3

Concepts, frameworks, theory, and empirical research methods and models within the consumer, apparel, and retailing domains. Emphasis on application of research methods and multivariate statistical models of consumer and retail research issues.

Prerequisites: STA 671 or ERM 682 or equivalent and admission to PhD in consumer, apparel, and retail studies or permission of instructor.

CRS 721 Consumer Behavior in Apparel and Retailing 3

Current theories and research in consumer behavior. Application of consumer behavior models to apparel, apparel-related products, and retailing through individualized research products.

Prerequisites: CRS 562 or permission of instructor.

CRS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CRS 765 College Teaching Practicum in Consumer, Apparel, and Retail Studies 3

Supervised, structured experiences in planning, teaching, and evaluating a college level course. Professors provide guidance and mentoring of graduate students during the experience.

Prerequisites: Admission to PhD program in consumer, apparel, and retail studies and permission of instructor.

CRS 781 Directed Independent Study in Consumer, Apparel, and Retail Studies 1-6**CRS 783 Problems in Apparel 1-3**

Problems in Apparel.

CRS 784 Problems in Retail Marketing 1-3**CRS 786 Readings in Apparel 1-3**

Readings in Apparel.

CRS 787 Readings in Retail Marketing 1-3

Readings in Retail Marketing.

CRS 790 Independent Doctoral Research 1-6

Individual work on research problem(s) related to student's primary area(s) of specialization. Research conducted with faculty guidance and direction. Objective: develop one or more publishable manuscript(s).

Prerequisites: STA 661, STA 662.

CRS 799 Dissertation 1-12

Notes: Required of all candidates for the Doctor of Philosophy degree. May be divided over two or more semesters.

CRS 801 Thesis Extension 1-3

Thesis Extension.

CRS 802 Dissertation Extension 1-3

Dissertation Extension.

CRS 803 Research Extension 1-3

Research Extension.

Counseling and Ed Devlp (CED)

CED 210 Career and/or Life Planning 3

Introduction to career/life planning; knowledge of career development theories and decision-making theories; emphasis on collecting information related to the world of work and relating this information to the individual.

CED 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CED 310 Helping Skills 3

Skills useful for facilitating helping relationships. Practical model for counseling and learning about helping by practicing the helping skills.

Prerequisites: Advanced undergraduates in appropriate major.

CED 392 Love, Sex, and Relationships: Skills for Building Satisfying, Healthy Relationships 3

This course promotes students' knowledge and skills that foster satisfying and healthy personal relationships. Students will learn strategies to strengthen all relationships, with a primary focus upon intimate partnerships.

GE Core: GSB

CED 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CED 416 Entrepreneurship in Clinical Settings 3

Designed to teach students how to effectively build and implement a successful business model for the design and delivery of clinical practices, or related services.

Prerequisites: Advanced undergraduate student, graduate student, Visions student. or permission of instructor;

Notes: Same as ENT 616.

CED 474 Contemporary Topics in Counseling 3

Designed to study issues, problems, and new approaches in helping relationships. Emphasis placed on current topic(s) of interest.

Notes: May be repeated for credit when topics vary.

CED 474C Contemporary Topics in Counseling: Stress Management 3

Contemporary Topics in Counseling.

CED 516 Entrepreneurship in Clinical Settings 3

Designed to teach students how to effectively build and implement a successful business model for the design and delivery of clinical practices, or related services.

Prerequisites: Advanced undergraduate student, graduate student, Visions student. or permission of instructor;

Notes: Same as ENT 616.

CED 574 Contemporary Topics in Counseling 3

Designed to study issues, problems, and new approaches in helping relationships. Emphasis placed on current topic(s) of interest.

Notes: May be repeated for credit when topics vary.

CED 574C Contemporary Topics in Counseling: Stress Managemnt 3

Topics in Counseling.

CED 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CED 602 Student Development in Higher Education 3

Study of development services. Areas such as admissions, orientation, career counseling, academic advising, student activities, housing, and financial aid are reviewed.

Prerequisites: CED 610 or permission of instructor.

Corequisites: CED 675.

Notes: Students who took this course as CED 579 are not eligible to take CED 602 and receive credit.

CED 603 Contemporary College Students 3

Developmental tasks and processes, including cognitive, moral, emotional, career, and identity, as applied to traditional and nontraditional students and diverse populations.

Prerequisites: CED 602 or permission of instructor.

CED 605 Counseling Diverse Populations 3

Examination of substantive and theoretical issues concerning counseling diverse populations. Includes study of counseling issues relevant to race/ethnicity, gender, sexual orientation, and other diversity topics.

Prerequisites: CED 610 and counseling major.

Corequisites: CED 653.

Notes: Students who took this course as CED 505 are not eligible to take CED 605 and receive credit.

CED 610 Helping Relationships 3

Fundamental principles of providing a helping relationship through counseling and interviewing are integrated in a conceptual framework for subsequent professional studies in counseling. Personal and professional development through skills training in techniques.

Corequisites: CED 653 for counseling majors.

CED 611 The Counselor as Scientist-Practitioner 3

Ways in which counselors can demonstrate accountability in a broad range of settings and from a variety of theoretical perspectives.

Prerequisites: Counseling major.

CED 612 Developmental Counseling 3

Developmental theories and processes of diverse individuals, families, and groups form the basis for understanding and applying techniques of developmental assessment and intervention. Cognitive-developmental approaches are emphasized.

Prerequisites: CED 610 and CED 620, counseling major, human development/developmental psychology or equivalent or permission of instructor.

Corequisites: CED 653.

CED 620 Counseling Theories and Practice 3

Examine various counseling theories, their philosophical underpinnings, techniques, cultural implications, and the relationship between theory and practice. Apply theories through case conceptualization, observations, and supervised practice.

Prerequisites: CED 610 and counseling major.

Corequisites: CED 653.

CED 642 Substance Abuse Counseling 3

Counseling intervention strategies related to prevention, substance use, abuse and dependency will be emphasized. Etiology, assessment, and professional counseling concerns discussed.

Prerequisites: CED 610 or permission of instructor.

Corequisites: CED 653.

CED 644 Foundations of Mental Health Counseling 3

Theoretical and applied information for counselors working in clinical mental health counseling settings. Explores delivery systems, procedures, and techniques related to counseling individuals, groups, couples, and families in these settings.

Prerequisites: CED 610, counseling major.

Corequisites: CED 675.

CED 645 Mental Health Issues for Genetic Counselors 3

Overview of mental health-related theories and constructs relevant to genetic counseling. Development of interviewing skills and strategies. Focus on professional self-awareness, with emphasis on demands of professional practice.

Prerequisites: Matriculation to fourth semester of the MS in genetic counseling.

CED 648 Foundations of School Counseling 3

The role and functions of school counselors, including their work with students, teachers, administrators, and parents, as well as their complimentary relationships with other student services personnel.

Prerequisites: CED 610 and counseling major.

Corequisites: CED 653.

Notes: Must be completed successfully before post-master's certificate student can enroll in internship.

CED 650 Group Counseling Theory and Practice 3

Develop understanding and skills in the theory and practice of group work, the relationship of group activities to counseling, and fundamental group counseling techniques.

Prerequisites: CED 610, CED 620, and counseling major.

Corequisites: CED 653.

CED 653 Practicum in Counseling 1

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

Prerequisites: Counseling major.

Corequisites: Liability insurance. Grade: Satisfactory/Unsatisfactory (S/U).

CED 653A Practicum in Counseling: Theories 1

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

Prerequisites: Counseling major.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 653B Practicum in Counseling: Assessment 1

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

Prerequisites: Counseling major.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 653D Practicum in Counseling: Group 1

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

Prerequisites: Counseling major.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 653F Practicum in Counseling: Lifespan 1

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

Prerequisites: Counseling major.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 653G Practicum in Counseling: Couples 1

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

Prerequisites: Counseling major.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 653J Practicum in Counseling: Adolescents 1

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

Prerequisites: Counseling major.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 653M Practicum in Counseling: Group Applications 1

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

Prerequisites: Counseling major.

Corequisites: Liability insurance. Grade: Satisfactory/Unsatisfactory (S/U).

CED 653P Practicum in Counseling: Family Counseling 1

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

Prerequisites: Counseling major.

Corequisites: Liability insurance. Grade: Satisfactory/Unsatisfactory (S/U).

CED 653Q Practicum in Counseling: Mid And Later Life 1

Skill development and application of theory to practice in counseling.

CED 664 Advanced Contemporary Topics in School Counseling 3

Current topics affecting school counselors: the impact of leadership and advocacy, the ASCA National Model, and ethics and legal issues.

Prerequisites: Admission to the Post-Master's Certificate Program in Advanced School Counseling.

CED 669 Career Development and Career Counseling 3

Traditional and contemporary career development theories. Career counseling processes, techniques, and information resources. Career development influences and needs of diverse populations.

Prerequisites: CED 610, CED 620, and counseling major.

Corequisites: CED 653.

CED 675 Counseling Field Practicum 3

Introduction to staff, structures, functions, programs, and policies of a counseling site through a minimum of 45 hours of field-based experiences and weekly supervision session on campus.

Corequisites: CED 605, CED 610, CED 620 and CED 678, CED 602 or CED 644, any CED 653 corequisite experiences for these courses. Must have liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 677 School Certification 3

Introduction to staff, structures, functions, programs and policies of a school counseling program through a minimum of 45 hours of field-based experiences and weekly supervision sessions on campus.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 678 Professional Orientation 3

Goals and objectives of professional organizations, codes of ethics, legal considerations, standards of preparation, certification, licensing, and role identity of counselor and other personnel services specialists.

CED 679 Advanced Counseling Practicum 3

Application of counseling skills, theories and multicultural competencies through a minimum of 40 direct service hours with clients in Departmental Clinic, under intense/close supervision.

Prerequisites: Counseling major, CED 605, CED 610, CED 620, CED 678, and CED 602/CED 644/CED 648 and related CED 653 corequisites. Must have liability insurance.

CED 680A Counseling Internship 6

On-the-job experience for counselors totaling a minimum of 600 hours over a one-year period.

Prerequisites: Advanced standing and recommendation by the major professor.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 680B Counseling Internship 6

On-the-job experience for counselors totaling a minimum of 600 hours over a one-year period.

Prerequisites: Advanced standing and recommendation by the major professor.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 680C Counseling Internship 6

On-the-job experience for counselors totaling a minimum of 600 hours over a one-year period.

Prerequisites: Advanced standing and recommendation by the major professor.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 680D Counseling Internship 6

On-the-job experience for counselors totaling a minimum of 600 hours over a one-year period.

Prerequisites: Advanced standing and recommendation by the major professor.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 682 Application of Measurement and Clinical Appraisal Techniques 3

Selecting, administering, and interpreting a variety of standardized and nonstandardized instruments, assessments, and appraisal techniques in various settings with diverse populations. Relevant psychometric principles and ethical/legal issues.

Prerequisites: Counseling major.

Corequisites: CED 653.

CED 687 Diagnosis and Treatment Planning in Counseling 3

Provides the skills needed to diagnose accurately and effectively and to develop a comprehensive treatment plan. Emphasis on understanding and evaluating diagnosis with a diverse clientele.

Prerequisites: CED 610, CED 644 and counseling major.

Corequisites: CED 653.

CED 688 Contemporary Problems Seminar 1-3

Specific course title identified each semester by subscript, e.g., Contemporary Problems Seminar; Issues in Professional Counseling.

Prerequisites: Advanced master's or doctoral standing, or permission of instructor.

Notes: May be repeated for credit when topic varies.

CED 688A Contemporary Problems Seminar: Pfr Sem Teaching 1-3

Contemporary Problems Seminar.

CED 690 Counselors Working with Families 3

Counseling families from family systems and multicultural theoretical perspectives. Clinical skills including assessment, treatment planning, and techniques.

Prerequisites: CED 610, CED 620.

Corequisites: CED 653.

Notes: Must be completed successfully before post-master's certificate student can enroll in internship.

CED 691 Advanced Clinical Topics in Couple and Family Counseling/Therapy 3

Advanced seminar in the scientific and cultural foundations for practice of couple and family counseling/therapy.

Prerequisites: CED 690 or permission of instructor.

Corequisites: CED 653.

Notes: May be repeated for credit when topic varies. Must be completed successfully before post-master's certificate student can enroll in internship.

CED 692 Independent Study 1-4

Guided readings, research, and individual project work under direction of a staff member.

Prerequisites: Permission of instructor.

CED 698 Implementing and Evaluating School Counseling Programs 3

Methods for designing, implementing, and evaluating comprehensive school counseling programs, in relation to the academic, career, and personal-social development of children and adolescents.

Prerequisites: CED 648.

Corequisites: CED 641, CED 671, and CED 680.

CED 720A Research Apprenticeship 3

Hands-on research experience working with CED faculty member(s) and/or research team (e.g. data collection, data coding, critiquing relevant literature, writing for publication) and focused reflection on the research process.

CED 720B Research Apprenticeship 3

Hands-on research experience working with CED faculty member(s) and/or research team (e.g. data collection, data coding, critiquing relevant literature, writing for publication) and focused reflection on the research process.

CED 740 Research Practicum in Counseling 3

Individual data-based work on problems of special interest in counseling and development. Registration requires approval of dissertation committee chair.

Prerequisites: ERM 680, ERM 681 or equivalent courses.

CED 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

CED 756A Advanced Counseling Theory and Research 2

Involves study of research about counseling theories, including discussion of common factor underlying counseling theories, strategies for evaluating theories, and critical analysis of research about theories.

Prerequisites: Admission to doctoral program or permission of instructor.

CED 756B Advanced Counseling Theory and Research 2

The second course of this two-course sequence focuses on exploring theories of change, particularly as they relate to research with contemporary career development, group counseling, and multicultural counseling theories.

Prerequisites: Admission to doctoral program or permission of instructor.

CED 757 Internship in University Teaching in Counseling 3

Supervised teaching in the area of counseling and development in a college or university setting.

Prerequisites: Permission of instructor.

CED 760A Consultation in Counseling and Counselor Education 2

Theory pertaining to the principles and practice of consultation in a variety of settings. Includes models, skills, issues, and ethical considerations in consultation.

Prerequisites: Doctoral standing or permission of instructor.

CED 760B Leadership in Counseling and Counselor Education 2

Theory pertaining to the principles and practice of leadership in a variety of settings. Includes models, skills, issues, and ethical considerations in leadership.

Prerequisites: CED 760A and doctoral standing or permission of instructor.

CED 775 Directed Doctoral Research 3

Individual work on research problems consisting of collection, analysis, critical review, integration, and interpretation of research literature on a topic.

Prerequisites: Advanced doctoral standing or permission of instructor.

Notes: May be repeated for credit.

CED 777B Seminar in Counseling 3

Research methods in counseling; clinical assessment tools and issues; contemporary issues and trends in counselor education, including professional and ethical issues and global perspectives.

Prerequisites: Advanced doctoral standing in counselor education and recommendation of doctoral adviser.

CED 777C Seminar in Counseling 3

Research methods in counseling; clinical assessment tools and issues; contemporary issues and trends in counselor education, including professional and ethical issues and global perspectives.

Prerequisites: Advanced doctoral standing in counselor education and recommendation of doctoral adviser.

CED 777D Seminar in Counseling 3

Research methods in counseling; clinical assessment tools and issues; contemporary issues and trends in counselor education, including professional and ethical issues and global perspectives.

Prerequisites: Advanced doctoral standing in counselor education and recommendation of doctoral adviser.

CED 779 Advanced Counseling Practicum 3

Counseling skills, multicultural competencies and applied counseling theories for 40 direct hours with actual clients under faculty supervision.

Prerequisites: Full doctoral admission.

CED 780A Advanced Counseling Internship 6

In-depth supervised field experience for advanced doctoral students in counselor education. Concentrated practice in individual, group, family, and/or consultation modes of counseling with individual faculty supervision in selected clinical settings.

Prerequisites: CED 756 or CED 774.

Corequisites: Liability insurance.

CED 780B Advanced Counseling Internship 6

In-depth supervised field experience for advanced doctoral students in counselor education. Concentrated practice in individual, group, family, and/or consultation modes of counseling with individual faculty supervision in selected clinical settings.

Prerequisites: CED 756 or CED 774.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 780C Advanced Counseling Internship 6

In-depth supervised field experience for advanced doctoral students in counselor education. Concentrated practice in individual, group, family, and/or consultation modes of counseling with individual faculty supervision in selected clinical settings.

Prerequisites: CED 756 or CED 774.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 780D Advanced Counseling Internship 6

In-depth supervised field experience for advanced doctoral students in counselor education. Concentrated practice in individual, group, family, and/or consultation modes of counseling with individual faculty supervision in selected clinical settings.

Prerequisites: CED 756 or CED 774.

Corequisites: Liability insurance.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

CED 781A Clinical Supervision 3

Clinical supervision theories, models, research, interventions and skills, relationship and diversity issues; ethical and legal considerations. Didactic instruction followed by graduated supervised experiences.

Prerequisites: CED 780A, advanced doctoral standing, and recommendation by the major professor.

Corequisites: Liability insurance, CED 653 for CED 781A.

CED 781B Clinical Supervision 3

Clinical supervision theories, models, research, interventions and skills, relationship and diversity issues; ethical and legal considerations. Didactic instruction followed by graduated supervised experiences.

Prerequisites: CED 780A, advanced doctoral standing, and recommendation by the major professor.

Corequisites: Liability insurance, CED 653 for CED 781A.

CED 781C Clinical Supervision 3

Clinical supervision theories, models, research, interventions and skills, relationship and diversity issues; ethical and legal considerations. Didactic instruction followed by graduated supervised experiences.

Prerequisites: CED 780A, advanced doctoral standing, and recommendation by the major professor.

Corequisites: Liability insurance, CED 653 for CED 781A.

CED 781D Clinical Supervision 3

Clinical supervision theories, models, research, interventions and skills, relationship and diversity issues; ethical and legal considerations. Didactic instruction followed by graduated supervised experiences.

Prerequisites: CED 780A, advanced doctoral standing, and recommendation by the major professor.

Corequisites: Liability insurance, CED 653 for CED 781A.

CED 781E Clinical Supervision 3

Clinical supervision theories, models, research, interventions and skills, relationship and diversity issues; ethical and legal considerations. Didactic instruction followed by graduated supervised experiences.

Prerequisites: CED 780A, advanced doctoral standing, and recommendation by the major professor.

Corequisites: Liability insurance, CED 653 for CED 781A.

CED 799 Dissertation 1-12

Individual direction in the development and execution of a doctoral dissertation.

CED 802 Dissertation Extension 1-3

Dissertation Extension.

CED 803 Research Extension 1-3

Research Extension.

Dance (DCE)

DCE 101 Introduction to Dance 3

Introduction to the basic concepts and principles of modern/postmodern dance through readings, studio experiences, discussions, and concert attendance.

GE Core: GFA

Notes: For non-majors. Dance majors should enroll in DCE 117.

DCE 111 Introduction to Contemporary Dance 1

Introduction to the movement techniques of contemporary dance, with emphasis on aesthetic and expressive qualities.

Notes: May be repeated for credit.

DCE 112 Contemporary Dance I 1

Development of technical skills in contemporary dance, including rhythmic perception and spatial awareness, with emphasis on aesthetic and expressive qualities that lead to performance.

Prerequisites: Department placement at this level. ineligible students will be withdrawn; enrollment priority given to dance majors;

Notes: May be repeated for credit.

DCE 113 Introduction to Ballet 1

Introduction to basic ballet techniques.

Notes: May be repeated for credit.

DCE 114 Ballet I 1

Development of technical skills in ballet, including directions of the body, alignment, function and access of turnout, and use of the French ballet lexicon, with emphasis on safe and efficient body use.

Prerequisites: Department placement at this level. ineligible students will be withdrawn; enrollment priority given to dance majors;

Notes: May be repeated for credit.

DCE 116 Jazz Dance I 1

Introduction to the style, technique, and rhythmic structures of jazz dance with emphasis on increasing movement capabilities and personal expression.

Notes: May be repeated for credit.

DCE 117 Movement as a Medium 3

Orientation to the field of dance. Presentation of materials and experiences related to the roles of dance in societies.

Prerequisites: Dance majors only.

DCE 132 African Dance I 1

Introduction to the history and vocabulary of West African dance, emphasizing the central role that dance plays in African cultures.

Notes: May be repeated for credit.

DCE 133 Tap Dance I 1

Introduction to theory, historical context, and technique of traditional and contemporary tap dance forms.

Notes: May be repeated for a maximum of two (2) credits.

DCE 143 Dance Performance Workshop 1

Workshop experiences in dance creation and performance practices. Informal or formal presentation of choreographic works created with faculty and/or graduate students in dance.

Prerequisites: Dance major.

Notes: May be repeated once for credit.

DCE 200 Dance Appreciation 3

Introductory study of dance in historical and cultural contexts through a variety of critical lenses. Course includes lectures, discussions, analysis of dance on film, concert attendance, and practical dance experiences.

GE Core: GFA

GE Marker: GL

Notes: Selected sections may be designated for DANC majors.

DCE 206 Dance History: Global, Cultural, and Historical Considerations 3

Overview of dance history in cultural and historical contexts, from its earliest documentation to current practices, including the emergence of new dance forms through transmigration.

Prerequisites: Dance major, minor or permission of instructor.

Notes: Students must be simultaneously enrolled in OPDI (the Online Professional Development Institute of the National Dance Education Organization).

DCE 207 Dance History: Modernism and Postmodernism 3

Critical study of modernism and postmodernism in dance in the U.S. and Europe. Broadens the traditional dance history canon and focuses on sociocultural events that shaped innovation in dance.

Prerequisites: Dance majors and minors or permission of instructor.

Notes: Students may not receive credit for both DCE 207 and DCE 305.

DCE 212 Contemporary Dance II 1-3

Further development of technical skills in contemporary dance, including increased movement capabilities, rhythmic accuracy, and spatial relationships, with emphasis on aesthetic and expressive qualities that lead to performance.

Prerequisites: Department placement at this level. ineligible students will be withdrawn; enrollment priority given to dance majors;

Notes: May be repeated for credit.

DCE 214 Ballet II 1-2

Development of technical skills in ballet, including safe and efficient alignment and clear articulation of movement vocabulary, with emphasis on increased vocabulary and musicality.

Prerequisites: Department placement at this level. ineligible students will be withdrawn; enrollment priority given to dance majors;

Notes: May be repeated for credit.

DCE 216 Jazz Dance II 1

Continuation of DCE 116.

Prerequisites: School of Dance technique placement at 200 level.

Ineligible students will be withdrawn. enrollment priority given to dance majors;

Notes: May be repeated for unlimited credit.

DCE 217 Exploration and Improvisation in Dance 1

Guided exploration in the elements of dance for the creative development of personal movement repertoire, spontaneous group interaction, and choreographic and movement observation skills.

Prerequisites: Dance major or permission of instructor.

DCE 230 Somatic Practices in Dance 1

The study of somatic practices in dance. Students will explore and discuss issues related to one body practice. Topics include body awareness, alignment, injury prevention, and movement observation.

Notes: May be repeated for credit. Priority enrollment given to dance majors.

DCE 231 Global Dance Forms 1

Classical and vernacular dances from Europe, Asia and the Pacific, Africa, and the Americas. Particular dance form varies by semester.

Prerequisites: Required placement in DCE 112 or DCE 114. or departmental permission;

Notes: May be repeated for credit.

DCE 232 African Dance II 1

Intermediate-level African dance technique. Further exploration of the principles of West African movement and the historic and cultural contexts in which the dances are presented.

Prerequisites: School of Dance technique placement at 200 level. Ineligible students will be withdrawn. enrollment priority given to dance majors;

Notes: May be repeated for unlimited credit.

DCE 233 Tap Dance II 1

Continuation of tap dance technique through traditional movement vocabulary, contemporary forms and improvisation, and historical context of tap dance.

Notes: May be repeated for credit.

DCE 241 Music for Dance 2

Study of the relationship of sound and movement, accompaniment and dance, accompaniment/composer and teacher/choreographer, and a practical application of these understandings.

Prerequisites: DANC major.

DCE 243 Dance Repertory II 1

Development of performance skills for dancers placed at the 200-technique level or higher through rehearsals and performances of a dance work choreographed by dance faculty or professional dance artists.

Prerequisites: Pr. or Coreq.: DCE 212 or DCE 214 or higher.

Notes: May be repeated for credit.

DCE 245 Creative Process for Dance Integration 2

An exploration of arts integration through use of the creative process as a method for developing movement and integrating dance into other subjects.

Notes: Students must be simultaneously enrolled in OPDI 105, offered through the Online Professional Development Institute of the National Dance Education Organization, to earn UNCG credit. Students not enrolled in OPDI 105 will be withdrawn from the UNCG course.

DCE 250 Dance Performance Practicum 1

Extensive rehearsal culminating in formal or informal presentation of choreography created by students.

Prerequisites: Open by audition or invitation.

Notes: May be repeated for a maximum of five credits. Grade: Pass/Not Pass (P/NP).

DCE 253 Choreography I: Craft 3

Study of the elements of time, space, and design as they are artistically significant in dance.

Prerequisites: DCE 217. DANC major.

DCE 255 Dance Production Practicum I 1

Supervised experience in introductory level technical production work supporting dance performances.

Notes: May be repeated for credit.

DCE 259 Introduction to Laban Movement Analysis 1

An exploratory introduction to LMA through movement integration.

DCE 300 Faculty Creative Research Project 1-3

Directed work with a dance faculty member on the exploration, development, and/or presentation of creative research methods, materials, and works.

Notes: May be repeated for credit.

DCE 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

DCE 307 Dance History: Mapping Dance 3

Study of the routes and roots of dance practices: the changes over time of dance cultures that adapt to new places and contexts through migration, colonization, and globalization.

GE Marker: GN

Prerequisites: DCE 207. Dance majors and minors or permission of instructor;

Notes: Students may not receive credit for both DCE 307 and DCE 205.

DCE 312 Contemporary Dance III 1-3

Further development of technical skills in contemporary dance. Increased complexity of movement, rhythm, and spatial design, with emphasis on aesthetic and expressive qualities.

Prerequisites: Department placement at this level. ineligible students will be withdrawn; enrollment priority given to dance majors;

Notes: May be repeated for credit.

DCE 314 Ballet III 1-2

Further development of technical skills in ballet, including dynamic alignment, body/mind connection, and proprioception, with emphasis on self expression through the ballet aesthetic.

Prerequisites: Department placement at this level. ineligible students will be withdrawn; enrollment priority given to dance majors;

Notes: May be repeated for credit.

DCE 316 Jazz Dance III 1

Continuation of DCE 216 for further development of skill, style, and understanding of the jazz form of dance.

Prerequisites: School of Dance technique placement at 300 or 400 level. Ineligible students will be withdrawn. enrollment priority given to dance majors;

Notes: May be repeated for unlimited credit.

DCE 323 The Arts as Human Experience 3

An examination of the meaning of the arts experience, including its historical and personal significance. Includes reading and related work in art, dance, drama, and music.

Notes: Same as ART 323, VPA 323.

DCE 324 Contemporary Dance: Theory and High Intermediate-Level Technique 2

Theory and practice of intermediate-level contemporary dance technique and its relationship to the artistic and professional field.

Prerequisites: Department placement at this level. ineligible students will be withdrawn; enrollment priority given to dance major;

Notes: May be repeated for credit.

DCE 330 Iyengar Yoga: Somatic Practice 1

Study of a somatic artform as articulated in the Iyengar Yoga method. Iyengar Yoga focuses on alignment, sequencing of poses and yoga philosophy through the study of Patanjali's Yoga Sutras.

Notes: May be repeated twice for credit.

DCE 331 Musical Theatre Dance Styles 1

Introduction to musical theatre dance styles and choreographers. Students will study musical theatre movement vocabulary, repertory and performance skills.

Prerequisites: DCE 113.

DCE 332 African Dance III 1

Advanced study of complex rhythms of African dance. The class will connect traditional songs, dances, and music with the culture and use those elements in choreography.

Prerequisites: School of Dance technique placement at 300 or 400 level. Ineligible students will be withdrawn. enrollment priority given to dance majors;

Notes: May be repeated for credit.

DCE 340 The Body and Motion in Dance 3

Study of the body and movement as relevant to dance. Emphasis on anatomical and kinesiological principles, alignment, body issues, prevention and care of injuries.

Prerequisites: Junior or senior status or permission of instructor.

DCE 341 Dance Kinesiology and Applied Teaching Practices 3

Introduction to the field of dance kinesiology with an emphasis on applied teaching practices. Emphasis on the anatomy of the body as it pertains to dance movement and evaluating technique.

Prerequisites: Dance major, minor or permission of instructor.

Notes: Requires simultaneous enrollment in OPDI 110 (offered through the Online Professional Development Institute of the National Dance Education Organization). Students not enrolled in OPDI 110 will be withdrawn from the course.

DCE 343 Repertory III 1

Development of performance skills for dancers placed at the 300-level technique or higher through rehearsals and performances of a dance work choreographed by dance faculty or professional dance artists.

Prerequisite or

Corequisites: DCE 312 or higher.

Notes: May be repeated for unlimited credit.

DCE 345 Dance in Preschool and Elementary Settings 3

Observe, participate, learn, and develop as a dancer. Create appropriate lesson plans integrating dance movement as a learning tool with 3–5 year old preschool students and with elementary school students.

DCE 355 Dance Production Practicum II 1

Supervised experience in advanced level technical production work supporting dance performances.

Prerequisites: One credit of DCE 255. Some sections may have additional prerequisites;

Notes: May be repeated for credit.

DCE 359 Foundations for Dance Education 2

Introduction to major issues in the field as they affect decisions about teaching dance.

Prerequisites: Dance major.

DCE 360 Dance Production 3

Theory and practice in technical production areas of dance performance. Topics include lighting, sound, costumes, scenery, and video and production management. Laboratory work with department dance concerts and events.

Prerequisites: DANC major or minor.

DCE 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

DCE 405 Choreographies and Choreographers 3

Exploration of concert dance over the twentieth and twenty-first centuries in a variety of geographic areas. Through various critical lenses, this course analyzes the choreographic production of influential dance makers.

Prerequisites: DANC major. DCE 305.

DCE 412 Contemporary Dance IV 1

Refinement of technical skills in contemporary dance. Complex movement, rhythm, and spatial design, with emphasis on aesthetic and expressive qualities that lead to performance.

Prerequisites: Department placement at this level. ineligible students will be withdrawn; enrollment priority given to dance majors;

Notes: May be repeated for credit.

DCE 414 Ballet IV 1

Mastery of kinesthetic, expressive, and aesthetic principles of contemporary ballet at an advanced/professional level.

Prerequisites: Department placement at this level. ineligible students will be withdrawn; enrollment priority given to dance majors;

Notes: May be repeated for credit.

DCE 417 Contact Improvisation 1

Development of improvisational performance skills for advanced dancers through a thorough study of Contact Improvisation.

Prerequisites: DCE 217 or permission of instructor.

Notes: May be repeated for credit.

DCE 431 Capoeira History and Practice 3

Introduction to the history and practice of Brazilian capoeira, with emphasis on the style known as capoeira angola. Includes readings, discussion, film viewing and studio practice.

Prerequisites: Junior standing or above. or permission of instructor;

Notes: May be repeated once for credit.

DCE 432 Pilates: Movement Fundamentals for Dancers 1

The course is designed to develop core strength, flexibility, posture, and range of motion and covers the fundamentals of Pilates with an emphasis on breathing, alignment, and core stability.

Prerequisites: DANC major. or permission of instructor;

Notes: May be repeated twice for credit.

DCE 443 Advanced Dance Repertory 1-3

Development of performance skills for advanced dancers through rehearsals and performances of a significant dance work choreographed by dance faculty or approved dance artists in the field.

Prerequisites: DCE 312, DCE 324, DCE 412, or DCE 424, and permission of instructor.

Notes: May be repeated for credit. Enrollment by audition or by invitation of the instructor.

DCE 445 Introduction to Dance Education Research 3

Survey of current research paradigms in dance education inquiry with particular emphasis on research process, design, methodology, and pedagogical implications for improved dance teaching and curriculum.

Prerequisites: Dance major, minor or permission of instructor.

Notes: Students must be simultaneously enrolled in OPDI 105, offered through the Online Professional Development Institute of the National Dance Education Organization, to earn UNCG credit. Students not enrolled in OPDI 105 will be withdrawn from the UNCG course.

DCE 446 Choreographic Explorations Since 1953 3

Study of choreographic works viewed through six thematic lenses: non-narrative dance, myth, gender and sexuality, culturally specific explorations, social and political commentary, and music and choreography.

Prerequisites: Dance major, minor or permission of instructor.

Notes: Students must be simultaneously enrolled in OPDI 105, offered through the Online Professional Development Institute of the National Dance Education Organization, to earn UNCG credit. Students not enrolled in OPDI 105 will be withdrawn from the UNCG course.

DCE 453 Choreography III: Group Forms 3

Study of and experience in developing choreographic materials for various sized groups. Special emphasis on techniques for the integration of formal values and artistic intention.

DCE 455 Arts and Entrepreneurship: Career Strategies for Artists 3

Overview of professional performing arts career management tools. Students learn the basics of applying entrepreneurship skills and strategies to starting and sustaining an arts-related business.

Prerequisites: ARAD, DANC, DRAM, MEDU, MUSI, or PRFM major. or permission of instructor;

Notes: Same as AAD 455, ENT 455.

DCE 456 Field Study: Dance in New York City 1

A study trip to experience dance and performance in New York City; activities include attending dance concerts, classes, and meeting with dancers who live and work in NYC.

DCE 459 Dance Education Methods and Field Experience 3,4

Methods of teaching dance with observation, participation, and planning/teaching/evaluating at elementary, middle, or high school level.

Prerequisites: Permission of department. must have earned a grade of B (3.0) in DCE 212 before beginning high school placement; Pr. or Coreq.: DCE 359;

Notes: May be repeated twice for a total of 9 s.h. In order to repeat the course, one of ELC 401, ERM 401, SES 401, TED 401, TED 402, or TED 403 must be successfully completed and student must be admitted to the Teacher Education Program.

DCE 460 Assessment and Instruction in the Dance Classroom 1

An introduction to portfolio and performance assessment. Reliability, validity, and bias in the construction of classroom assignments and practice the cycle of planning, instructing, assessing for instruction in dance.

Prerequisites: DCE 459. Dance BFA and BA majors with K-12 Teaching Licensure.

DCE 461 Student Teaching in Dance Education 11

Supervised student teaching experience in dance education. Full-time teaching in a school setting.

Prerequisites: Admission to Student Teaching through application.

Notes: Grade: Pass/Not Pass (P/NP).

DCE 463 Seminar in Dance Education 1

Reflection on student teaching experiences and preparation for future career as a dance educator.

Prerequisites: All DANC licensure requirements except DCE 461.

DCE 465 Screen Dance 3

Exploration of how dance and dance film technologies work best together and why, including composing for the camera, recording dancers in action, and editing footage to create original work.

Prerequisites: DCE 253, DCE 453. or permission of instructor.

DCE 467 The Dancer's Body 3

An introduction to the study of body theories and practices in dance.

Topics include somatic theory and practice, and body issues related to dance performance, choreography, and pedagogy.

Prerequisites: Two semesters of dance technique. DCE 340 or equivalent; or permission of instructor.

DCE 468 Advanced Study in Somatic Practices 3

Advanced work in a somatic practice. Areas of study include foundations, reading the body, student and teacher issues, resource lectures, and practice teaching.

Prerequisites: DCE 340 and DCE 630. or permission of instructor.

DCE 470 Creative Synthesis in Dance 3

Culminating choreographic experience for students completing choreography concentration in B.F.A.

Prerequisites: Grades of B or higher in DCE 453 and DCE 465. senior status in DANC B.F.A. major; or permission of instructor.

DCE 475 Independent Study 1-3

Intensive work in area of special interest in dance. Available to exceptionally qualified students on recommendation of academic advisor and instructor.

Prerequisites: Demonstrated competency for independent work and permission of academic advisor and instructor.

Notes: May be repeated for a maximum of 6 s.h.

DCE 487 Performance Theory and Practice 2

Rehearsal and performance of choreography designed to challenge student dancers at their highest level of performance. Choreography by full time faculty. Selected readings and written assignments accompany practical work.

Prerequisites: Pr. or Coreq.: 3 s.h. of DCE 312, DCE 324, DCE 412, or DCE 424.

DCE 493 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

DCE 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

DCE 605 Choreographies and Choreographers 3

Exploration of concert dance over the twentieth and twenty-first centuries in a variety of geographic areas. Through various critical lenses, this course analyzes the choreographic production of influential dance makers.

Prerequisites: DANC major. DCE 305.

DCE 610 Dance Studies I: Theories and Methods 3

Introduction to scholarship and research methodologies in dance studies. Students will be introduced to key theories and methodologies that have shaped the interdisciplinary field of dance research.

Prerequisites: Admission to graduate degree program in dance and completion of undergraduate dance history prerequisite.

DCE 611 Dance Studies II: Research Projects 3

In-depth personal inquiry into the nature and making of meaning for a selected area of concern in dance. Includes significant individual project.

Prerequisites: DCE 610 or permission of instructor.

DCE 614 New Media and Technology in Dance Education 1-3

Theory and practice related to teaching dance technology, including new media and interdisciplinary relationships. Includes planning, teaching, and assessing student learning in one unit of study.

Prerequisites: DCE 651 or other graduate course in choreography.

DCE 620 Music for Dancers 3

The relationship of sound and movement, accompaniment and dance, accompanist/composer and teacher/choreographer, and bringing these understandings to practical application.

DCE 621 Administration of Dance 3

Introduction to the business of dance including aspects of building a professional practice relevant to career goals including grant writing, project development and management, public relations, and concert production and presentation.

DCE 624 Movement for Dance 1

Opportunities for dancers to practice their craft, developing working knowledge of different styles of contemporary dance, ballet, improvisation, and other movement forms. Style and emphasis will vary each semester.

Prerequisites: Graduate standing in dance.

Notes: May be repeated for a maximum of six credits. Grade: Satisfactory/Unsatisfactory (S/U).

DCE 630 Advanced Body Theories and Practices in Dance 4

Advanced study of body theories and practices in dance. Topics include sociocultural constructions of dancer bodies, somatic theory, body pedagogies, and somatic practices related to dance performance, choreography, and pedagogy.

Prerequisites: Two semesters of dance technique and DCE 340 or equivalent or permission of instructor.

DCE 631 Capoeira History and Practice 3

Introduction to the history and practice of Brazilian capoeira, with emphasis on the style known as capoeira angola. Includes readings, discussion, film viewing and studio practice.

Notes: May be repeated once for credit.

DCE 632 Pilates: Movement Fundamentals for Dancers 1

The course is designed to develop core strength, flexibility, posture, and range of motion and covers the fundamentals of Pilates with an emphasis on breathing, alignment, and core stability.

Prerequisites: DANC major. or permission of instructor;

Notes: May be repeated twice for credit.

DCE 645 Foundations for Assessment in Dance 3

Presentation of formative and authentic/performance assessment for dance, including construction and application of assessment instruments, evaluation of instruction, and assessment-based grading.

Prerequisites: Graduate standing in dance or education.

Notes: Students must be simultaneously enrolled in OPDI 105, offered through the Online Professional Development Institute of the National Dance Education Organization, to earn UNCG credit. Students not enrolled in OPDI 105 will be withdrawn from the UNCG course.

DCE 646 Reflective Practice in P-12 Dance Education 3

Planning and implementation of projects related to master's standards for dance licensure, with ongoing reflection and dialogue.

Prerequisites: Admission to MA in dance education.

DCE 650 Dance Design Practicum 3

Advanced practicum in the technical, aesthetic and theoretical aspects of dance design.

Prerequisites: DCE 555 and graduate standing in dance.

DCE 651 Choreographic Practice 3

Exploration of diverse perspectives on choreography: process, period, style, and genre. Individualized problems and projects developed with each student artist.

Notes: May be repeated for credit.

DCE 654 P-12 Dance Education: Technique and Performance 1

Theory and practice related to teaching dance technique and performance to school-aged populations. Includes planning, teaching, and assessing student learning in one unit of study.

Prerequisites: DCE 560 and admission to MA in dance education.

DCE 655 P-12 Dance Education: Choreography 1

Theory and practice related to teaching choreography to school-aged populations, with an emphasis on collaboration. Includes planning, teaching, and assessing student learning in one unit of study.

Prerequisites: DCE 651 or other graduate choreography course, admission to MA in dance education.

DCE 656 P-12 Dance Education: Critical Thinking/Literacy 1

Theory and practice related to teaching critical thinking and dance literacy with school-aged populations, including interdisciplinary relationships. Includes planning, teaching, and assessing student learning in one unit of study.

Prerequisites: DCE 610 and admission to MA in dance education.

DCE 659 Laban Movement Analysis 1

An introduction to Laban Movement Analysis through movement integration, observation, critical research, notation, and analysis.

Prerequisites: DANC major. or permission of instructor;

Notes: May be repeated once for credit.

DCE 660 Issues in Planning the Dance Curriculum 3

Curriculum planning for dance in educational settings. Involvement with issues in the field.

Prerequisites: Graduate standing in dance.

Notes: Online only.

DCE 661 Dance Pedagogy in Higher Education 2

Consideration of pedagogical issues and strategies in teaching dance studio and theory courses at the undergraduate college/university level.

Prerequisites: Graduate standing in dance or permission of instructor(s).

DCE 662 Practicum in Teaching Dance 1-3

Observation of dance teaching and supervised practice at the university or K-12 level; some sections may include a required seminar.

Prerequisites: Graduate standing in dance or permission of instructor and previous teaching experience or 18 graduate semester hours in dance.

Notes: May be repeated for a maximum of 6 credits. Grade: Satisfactory/Unsatisfactory (S/U).

DCE 663 PreK-12 Dance Education Practicum 3

Supervised teaching culminating in development of a portfolio demonstrating competencies required for Standard Professional I licensure.

Prerequisites: Admission to graduate program in dance.

Notes: May be repeated for a maximum of 6 credits.

DCE 665 Screen Dance 3

Exploration of how dance and dance film technologies work best together and why, including composing for the camera, recording dancers in action, and editing footage to create original work.

Prerequisites: Graduate standing in dance program. or permission of instructor.

DCE 667 The Dancer's Body 3

An introduction to the study of body theories and practices in dance. Topics include somatic theory and practice, and body issues related to dance performance, choreography, and pedagogy.

Prerequisites: Two semesters of dance technique. DCE 340 or equivalent; or permission of instructor.

DCE 668 Advanced Study in Somatic Practices 3

Advanced work in a somatic practice. Areas of study include foundations, reading the body, student and teacher issues, resource lectures, and practice teaching.

Prerequisites: DCE 340 and DCE 630. or permission of instructor.

DCE 676 Problems Seminar 1-3

Specific course title identified each semester by subscript, e.g., Problems Seminar: Dance as Therapy.

Prerequisites: Graduate standing in dance.

Notes: May be repeated for credit when topic varies.

DCE 687 Performance Theory and Practice 2

Rehearsal and performance of work designed to challenge graduate students at their level of performance. Choreography by graduate faculty.

Prerequisites: Graduate standing in dance or permission of instructor.

Notes: May be taken three times for credit.

DCE 688 Practicum in Dance Performance 1-3

Rehearsal and performance of choreography created or reconstructed by faculty or guest artist.

Prerequisites: Graduate standing in dance or permission of the instructor.

Notes: One credit per 60 rehearsal hours. Only one credit per choreographer; May be repeated for three credits; Grade: Satisfactory/Unsatisfactory (S/U).

DCE 693 Portfolio in K-12 Dance Education 1-6

Development of teaching portfolio to meet specific requirements for M licensure in dance. Students may substitute National Board Professional Teaching Standards portfolio with prior permission.

Prerequisites: Satisfactory completion of all required courses for the MA in dance with a dance education (M license) concentration, a Portfolio Review, and at least two years full-time or equivalent teaching K-12 dance.

Notes: May be repeated for a maximum of 6 semester hours. Grade: Satisfactory/Unsatisfactory (S/U).

DCE 695 Independent Study 1-3

Intensive study in an area of special interest in dance.

Prerequisites: Demonstrated competency for independent work and consent of academic advisor and the instructor.

DCE 697 Masters Production Project 1-6

Culminating choreography research with a performed or presented outcome. Possibilities include structured choreography, improvisation, lecture demonstration, master class, community based or historical research with performance, and digitally based projects.

Prerequisites: Admission to candidacy, successful completion of proposal.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

DCE 698 Field Project in Dance 1-6

Research, development, and completion of approved project which substantially contributes to mastery in MFA or MA concentration and integrates knowledge gained through the degree program.

Prerequisites: MA students and MFA candidates with approved project proposals.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

DCE 699 Thesis 1-6

Prerequisite: Satisfactory completion of portfolio review.

DCE 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

DCE 801 Thesis Extension 1-3

Thesis Extension.

DCE 803 Research Extension 1-3

Research Extension.

Economics (ECO)

ECO 100 Economics of a Global Sustainable Society 3

Sustainable development, with a natural emphasis on non-Western nations; will consider issues around such topics as demographics, development theories, the environment, health and education, the role of institutions, etc.

GE Core: GSB

GE Marker: GN

ECO 101 Introduction to Economics 3

Introduction to basic economic concepts and public policy issues with application to the contemporary American economy.

GE Core: GSB

Notes: Students with credit for ECO 201, ECO 202 or equivalent, cannot also receive credit for ECO 101.

ECO 201 Principles of Microeconomics 3

Introduction to microeconomic principles and analysis. Topics include: the market economy, supply and demand, shortages and surpluses, competition and monopoly, international trade, and public policy issues.

GE Core: GSB

ECO 201R Principles of Microeconomics Recitation 0

Recitation supplements and expands upon the content of the co-requisite course: ECO 201: Principles of Microeconomics.

ECO 202 Principles of Macroeconomics 3

Introduction to macroeconomic principles and analysis. Topics include the national income, the monetary system, inflation, business cycles, fiscal policy, the national debt, exchange rates, balance of payments, and economic growth.

GE Core: GSB

ECO 219 Essential Mathematics for Economics 3

Pre-calculus mathematical applications in economics. Provides mathematical tools for upper-level courses in economics.

Prerequisites: At least one year of high school algebra.

ECO 250 Economic and Business Statistics I 3

Introduction to statistical methods with applications in economics and business. Topics include descriptive statistics, probability, statistical inference, correlation, and regression. Emphasis on problem solving with microcomputer applications.

Prerequisites: An acceptable score on the mathematics placement test or any one of the following: MAT 115, MAT 120, MAT 150, MAT 151, MAT 190, MAT 191, MAT 292, ECO 219.

ECO 250R Econ/Bus Stats I Recitation 0**ECO 300 The International Economy 3**

Examines the history, structure, and institutional foundations of the international trading system. Analyzes the impact of trade on economic growth, employment and living standards with a focus on contemporary issues.

GE Marker: GL

Prerequisites: ECO 201 and ECO 202. or permission of instructor.

ECO 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ECO 301 Intermediate Microeconomic Theory 3

Intermediate level analysis of consumer theory and theory of the firm. Other topics include market failure, savings and investment, risk and uncertainty, wage determination, and income distribution.

Prerequisites: ECO 201. MAT 120 or MAT 191 or ECO 219.

ECO 302 Intermediate Macroeconomic Theory 3

Intermediate level analysis of national income and employment with attention to fiscal and monetary policy, theories of business fluctuations, and economic growth.

Prerequisites: ECO 202.

ECO 310 The U.S. in the Global Economy 3

Examination of the history of the United States in the international economy. Examines trade policy, technological and industrial leadership, immigration, the depression, and American post-WWII dominance.

Prerequisites: ECO 201 and ECO 202. or permission of instructor.

ECO 312 Economics of Technology 3

Economic analysis of technological change. Topics include sources of productivity, inventive activity, entrepreneurship, innovation strategy, RD management, patenting, and technology assessment.

Prerequisites: ECO 201.

Notes: Same as ENT 312.

ECO 315 The Economics of Entrepreneurship 3

Study of entrepreneurship from history of economic thought perspective and application of such concepts to economic agents. Emphasis on economic thought, market activity, and economic growth.

Prerequisites: ECO 201.

Notes: Same as ENT 315.

ECO 319 Quantitative Analysis 3

Introduction to mathematical methods in economics. Includes applications of mathematics to consumer and production theory, equilibrium analysis, input-output models, and optimization.

Prerequisites: Minimum grade of B (3.0) in MAT 120 or minimum grade of C (2.0) in MAT 191 or minimum grade of B (3.0) in ECO 219. ECO 201.

ECO 323 Public Economics 3

The analysis of taxes and expenditures. Topics include: rationale for government (public goods, externalities), expenditure analysis (including income redistribution), tax analysis (including income, sales, and property taxes).

Prerequisites: ECO 301.

ECO 325 Sports Economics 3

Economic theory of sports leagues: competitive balance, player labor markets, and owner capital markets. Theories of league expansion, rival leagues, franchise relocation, and sports venues.

Prerequisites: ECO 201.

ECO 327 Money and Economic Activity 3

Emphasis on legal, institutional, and economic forces which mutually interact to determine supply of money. Elementary monetary theory and monetary flows, institutions, policies, and problems analyzed.

International as well as domestic monetary analysis.

Prerequisites: ECO 202.

ECO 350 Economic and Business Statistics II 3

Continuation of ECO 250. Inference about population variance, inference about two populations, analysis of variance, bivariate regression, and multiple regression with empirical applications to business and economics using statistical software.

Prerequisites: ECO 250.

ECO 355 Econometrics 3

The application of statistical models and methods to economic data and models. Topics include linear regression, interpretation of results, hypothesis testing, and specification testing.

Prerequisites: ECO 350.

ECO 360 International Monetary Economics 3

Analysis of balance of payments and international monetary systems. Monetary and fiscal policies under the gold standard, fixed exchange, and flexible exchange systems. Breakdown of the Bretton Woods system and the current exchange rate policies of central banks.

Prerequisites: ECO 302.

ECO 362 History of Economic Thought 3

The history of economic thought and criticism since the eighteenth century. Major topics include classical economics, socialism, communism, marginalism, Keynesianism, corporatism, Austrian economics, monetarism, developmentalism, neoliberalism, and modern anti-market revolutions.

Notes: Same as HIS 362.

ECO 367 Economic Growth and Development 3

Investigation of the determinants of the long-run economic growth of nations. Application of economic concepts to problems of developing and lesser developed countries.

Prerequisites: ECO 302.

ECO 370 Labor Economics 3

Examination of wage and employment determination in U.S. labor markets. Topics include labor supply and labor demand theory, investments in education and training, job search and migration, unemployment, unions, racial and sex discrimination, income inequality, and public policy.

Prerequisites: ECO 301.

ECO 375 Government and Business 3

Government regulation and control of markets. Emphasis on antitrust laws and economics as well as control by regulation.

Prerequisites: ECO 201.

ECO 380 Environmental and Natural Resource Economics 3

Examination of environmental problems in market economies. Topics include the economic theory of pollution and its control, common-property resources, renewable and other resources, endangered species, population growth, and international problems.

Prerequisites: ECO 201.

ECO 390 Health Economics 3

Examination of supply and demand for health care, medical malpractice, health insurance, government provision of health care, international comparisons, and health care reform.

Prerequisites: ECO 301.

ECO 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ECO 413 Directed Studies in Economics I 1-3

Individual study of economic problems of special interest to the student. Regular conferences with instructor required.

Prerequisites: 21 s.h. of economics and permission of instructor.

ECO 418 American Economic History 3

Evolution of the American economy with emphasis on economic performance through time measured against goals of full employment, price stability, and rapid growth.

Prerequisites: ECO 201.

Notes: Same as HIS 518.

ECO 422 Topics in Public Policy 3

Examination of market failure, public goods, economic efficiency, and income incidence, allocative effects, and public policy.

Prerequisites: ECO 301.

ECO 426 Internship: Experiential Learning in Economics 1-3

Campus-monitored, supervised off-campus internships that involve the application of economic analysis and methods and develop professional skills. Minimum of fifty supervised internship hours per one credit hour earned.

Prerequisites: Minimum overall GPA of 2.50 and permission of instructor. ECON/ECOS major.

ECO 493 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

ECO 498 Seminar in Economics 3

Examination of market failure, public goods, economic efficiency, and income incidence, allocative effects, and public policy.

Prerequisites: ECO 301, ECO 302, and ECO 350.

ECO 499 Problems in Economics 3

Independent study, research, and discussion covering a topic or group of related topics of current interest in economic policy or economic theory. Topics covered vary from semester to semester.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit with approval of department head.

ECO 513 Directed Studies in Economics I 1-3

Individual study of economic problems of special interest to the student. Regular conferences with instructor required.

Prerequisites: 21 s.h. of economics and permission of instructor.

ECO 518 American Economic History 3

Evolution of the American economy with emphasis on economic performance through time measured against goals of full employment, price stability, and rapid growth.

Prerequisites: ECO 201.

Notes: Same as HIS 518.

ECO 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ECO 613 Directed Studies in Economics II 1-3

Individual study of an advanced topic in economics. Regular conferences with the instructor are required.

Prerequisites: Graduate admission and permission of the Director of Graduate Study in economics and the professor who will supervise the study.

ECO 619 Mathematical Economics 3

Reviews statistics and probability, matrix algebra and optimization and introduces theory and applications in integral calculus and differential equations.

Prerequisites: ECO 301, ECO 319 or equivalent.

ECO 641 Microeconomics 3

Theory of consumer and firm behavior under certainty and uncertainty including exchange, production, income distribution, market structure and welfare economics.

Prerequisites: ECO 301, ECO 619, or permission of instructor.

ECO 642 Microeconomics II 3

Examination of market failures that can occur within competitive, decentralized market systems. Topics include market power, uncertainty, asymmetric information, externalities, and public goods.

Prerequisites: ECO 641 or permission of instructor.

ECO 643 Econometric Methods 3

Introduction to advanced econometric applications. Topics may include seemingly unrelated regressions, simultaneous equations, identification, two-stage least squares, and sample selection models. Application to economic data using statistical software emphasized.

ECO 644 Econometric Theory 3

Foundations of mathematical statistics and linear econometric models. Topics include discrete and continuous probability distributions, random sampling and asymptotic analysis, the linear regression model, hypothesis testing, and statistical programming and simulation using SAS or other statistical software.

ECO 646 Macroeconomics 3

Advanced theory of aggregate economic activity. Economic models developed to explain economic growth, activity, and fluctuations based on classical, Keynesian, monetarist, and new classical schools of thought.

Prerequisites: ECO 619, ECO 641, or permission of instructor.

ECO 663 Predictive Data Mining 3

Provides a working knowledge of statistical tools important to the emerging and practically relevant field of predictive data mining and the discovery of patterns in big data sets.

Prerequisites: ECO 643 and ECO 644, or permission of instructor.

ECO 664 Time Series and Forecasting 3

Students learn to analyze and forecast time series data. Topics include stochastic linear difference equations, tests for trends and stationarity, and ARIMA modeling. Application to economic data emphasized.

Prerequisites: ECO 643, ECO 644, or permission of instructor.

ECO 691 Economics Internship 1-3

Individual course of study consisting of an applied economics and/or data analysis component and written work that complements the program's academic work. Supervised by faculty and an appropriate manager.

Prerequisites: Permission of the Director of Graduate Study.

Notes: May be repeated. Maximum of 3 credit hours may apply toward to MA degree; This course cannot be applied toward the PhD degree.

ECO 712 Directed Studies in Economics III 1-3

Individual study of an advanced topic in economics. Regular conferences with the instructor are required.

Prerequisites: Permission of Director of Graduate Study.

Notes: May be repeated for credit.

ECO 721 Empirical Microeconomics 3

Examines empirical investigations of advanced microeconomic theory including experimental and nonexperimental designs and natural experiments. Applications vary by semester but are typically drawn from labor, health, public and financial economics.

Prerequisites: ECO 641, ECO 643, ECO 644, or permission of instructor.

Notes: May be repeated for credit.

ECO 725 Data Methods in Economics 3

Advanced techniques in data preparation; topics include data formats, error checking, merging data, large data sets, and missing observations. Students work extensively with SAS.

ECO 731 Applied Policy Methods 3

Provides applied foundation for policy study with emphasis on an economic efficiency perspective including history of policy analysis, market and government failure, and alternative methods for policy analysis. Prerequisite/Corequisite: ECO 641 or permission of instructor.

ECO 734 Public Policies Toward Innovation 3

Examines public-sector innovation policies from a domestic and global perspective.

Prerequisites: ECO 731 or permission of instructor.

ECO 735 Labor Economics 3

Examines the operation of the labor market, its institutions, and labor market policies. Topics include labor supply and demand, returns to education, family and household economics, wage inequality, and unions.

Prerequisites: ECO 641 and ECO 642, or permission of instructor.

Notes: May be repeated for credit.

ECO 736 Public Economics 3

Examines governmental expenditures and taxes and the constraints imposed on them within a federal, multi-tiered governmental structure. Topics include education, public health, housing and community development, infrastructure, and environmental regulation.

Prerequisites: ECO 641 and ECO 642, or permission of instructor.

Notes: May be repeated for credit.

ECO 737 Health Economics 3

Examines the market for health services and the production of health. Topics include the demand and supply for health care professionals, health insurance and financing, and regulation of medical markets.

Prerequisites: ECO 641 and ECO 642, or permission of instructor.

Notes: May be repeated for credit.

ECO 738 Topics in Economics 3

Application of economic theory and econometrics to a specific topic in public, labor, or health.

Prerequisites: ECO 641 and ECO 643 or permission of instructor.

Notes: May be repeated for credit.

ECO 739 Independent Field Course 1-4

A faculty-directed, independent study of a research area that is particularly related to a student's primary field of interest.

Prerequisites: ECO 641, ECO 642, and permission of Director of Graduate Study.

Notes: May be repeated for credit. May serve as one required major field course.

ECO 741 Advanced Mathematical Economics 3

Mathematical concepts and techniques that are used in advanced economic theory. Material includes sets and functions, constrained and unconstrained programming, and difference and differential equations.

Prerequisites: ECO 619, ECO 641, or permission of instructor.

ECO 742 Advanced Microeconomic Theory 3

Examines decision making by households and firms with an emphasis on the meaning and empirical interpretation of theoretical models. Topics include duality theory, general equilibrium, and welfare economics.

Prerequisite/Corequisite: ECO 741 or permission of instructor.

ECO 745 Advanced Econometric Theory 3

Presents fundamental concepts in statistics and least squares estimation and inference within single-equation linear models, instrumental variable approaches, and multivariate regression contexts. Concludes with introduction to nonlinear regression. Includes lab.

Prerequisites: Pr. or Coreq.: ECO 741 or permission of instructor.

ECO 746 Advanced Econometric Theory II 3

Advanced methods in microeconomic analysis, covers linear models for panel data with unobserved heterogeneity, M-estimators, maximum likelihood, generalized methods of moments, and discrete response models. Includes lab.

Prerequisites: ECO 745 or permission of instructor.

ECO 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ECO 797 Seminar in Empirical Economics 3-6

A supervised seminar in which students formulate a major empirical research project and identify, collect, and assemble the data required to pursue that research.

Prerequisites: Permission of Director of Graduate Study.

Notes: May be repeated for credit.

ECO 798 Seminar in Economic Research 3-6

A supervised research seminar in which students complete an extensive review of the literature in their chosen area of research specialization.

Prerequisites: Permission of Director of Graduate Study.

Notes: May be repeated for credit.

ECO 799 Dissertation 1-12**ECO 802 Dissertation Extension 1-3**

Dissertation Extension.

ECO 803 Research Extension 1-3

Research Extension.

Educ Ldrship and Cultrl Fndts (ELC)

ELC 201 Introduction to Community Leadership 3

An introduction to leadership studies through a multidisciplinary framework, this course provides an overview of leadership and personal development skills necessary to practice leadership in service to society.

Prerequisites: First Year, Impact Living Learning Community Participants or Permission of Instructor.

ELC 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ELC 375 Philosophy of Education 3

Philosophical questions related to education, such as what is education, how are the aims of education to be decided, and what is knowledge, pursued in conjunction with classic historic readings in the philosophies of education and knowledge as well as selected contemporary reading.

GE Core: GPR

ELC 381 Cultural Foundations of Education 3

Introduction to the ideological, ethical, and cultural dimensions of schooling, as well as the competing visions of education used to engage students in relevant issues of school life.

ELC 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ELC 401 Schooling in a Democratic Society 1

The historical and social purposes of schooling in a democratic society. Enrollment limited to students who are pursuing initial teaching licensure.

Prerequisites: Admission to the Teacher Education Program.

Notes: May be repeated for unlimited credit.

ELC 406 Institutes in Education 1-3

Practicum or workshop experiences to focus on issues, problems, or approaches in the profession.

Notes: Students may apply no more than three (3) s.h. of this course to any degree program. Grade: Satisfactory/Unsatisfactory (S/U).

ELC 481 Teaching in the Urban School 3

This course is designed to provide an opportunity for educators to examine research and literature related to the problems of teaching in the urban school.

ELC 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ELC 609 Epistemology and Education 3

An overview of several systems of knowledge and the problems of knowing, knowing how, and belief. Deals with intellect, rationality, and positional knowledge.

Prerequisites: ELC 696 or ELC 697 or their equivalents.

ELC 615 Foundations of Curriculum 3

Historical, cultural, and sociopolitical foundations of curriculum theory and practice. Emphasis on ideological shifts in transformative practice, curriculum development/analysis, and relations between curriculum, individual, and society.

ELC 616 Culturally Responsive Leadership 3

Theories of and strategies related to culturally responsive leadership that will prepare K-12 school leaders to develop effective and equitable, multicultural school communities.

ELC 625 Seminar in Teaching and Social Foundations of Education 3

Critical consideration of the purpose and philosophy of undergraduate social foundations courses, perspectives and approaches to teaching, and reflection on issues and problematics of critical pedagogy.

Notes: This course can be taken up to 2 times for credit.

ELC 660 The School Principalship 3

For prospective principals. Functions in organizing people to meet educational goals, leadership in instruction, supervision, curriculum design and development, personnel administration, and ethical and legal responsibilities.

ELC 661 Ethics and Education 3

Appraisal of human aims and practices, attitudes towards character, and conceptions of desirable human life, as these are related to educational theory and practice.

Prerequisites: ELC 697 or ELC 707 or their equivalents.

ELC 662 Power, Politics, and Schools 3

The politics of education as the set of interactions that influence and shape the authoritative allocation of values in this society and its educational organizations.

ELC 664 Introduction to Qualitative Inquiry: A Social Justice Approach 3

Theoretical and philosophical dimensions of interpretive inquiry in education; concepts that are the foundation for qualitative methodologies in educational research.

ELC 665 Approaches to Qualitative Inquiry 3

Introduction to empirical qualitative research: philosophical foundations, research design strategies, method for data collection and analysis (especially interviewing and field observation), options for reporting research. Emphasis on skill development.

Prerequisites: ELC 609, ELC 664 recommended.

ELC 666 Writing Preparation and Proposal Development 3

Workshop addresses dissertation process and academic professional development in ways that build on the theory and practice of scholarly writing.

ELC 670 Leadership for Teaching and Learning 3

Examines conceptions of "good" schools and the nature of instruction, curriculum, assessment, and professional development. Explores leadership, change, and school renewal that works toward good schooling and pedagogy.

Prerequisites: Admission to MSA, PMC, EdS, or EdD program in educational leadership or permission of instructor.

ELC 671 Principal Fellows Seminar 3

Provides enrichment activities for Principals Fellows as required by the Principal Fellows Program.

Prerequisites: Enrollment as a Principal Fellow.

Notes: Required for Principal Fellows each semester during their enrollment in the MSA program.

ELC 672 Technology and Administrative Leadership 3

How school leaders can use technology to meet their management, instructional, inquiry, and problem solving responsibilities.

ELC 673 Principal Leadership for Special Education 3

Strategies school principals can use to advocate and implement programs for exceptional children that are effective for students and compliant with legal requirements.

ELC 675 Schools as Centers of Inquiry 3

Effective schools function as professional learning communities characterized by a culture of inquiry and collaboration. Builds the skills of students in facilitating individual and whole school inquiry.

Prerequisites: Admission to MSA, PMC, EdS, or EdD program in educational leadership or permission of instructor.

ELC 680 Transnational and Postcolonial Feminist Perspectives 3

Study of transnational and postcolonial feminist perspectives in multiple world regions. Emphasis on global political developments, grassroots efforts to use education as social change, and developing critical power literacies.

ELC 682 Teaching Social Justice 3

Examines various ways people might teach to promote social justice. Explores conceptual frameworks for understanding issues of oppression and privilege. Opportunity to apply diverse pedagogical strategies.

ELC 683 Engaging the Public in Education 3

Examination of parent involvement in schooling, school/family/community partnerships, civic deliberation about education, school's role in community transformation. Emphasis on equity/justice, school's accountability to the public, research evidence, effective practice.

ELC 684 Teacher Rights, Recruitment, Retention, and Evaluation 3

Processes and systems to recruit, induct, support, evaluate, develop, and retain a high quality staff. Legal and ethical reasoning systems influencing school administrators with regard to teachers' legal rights.

ELC 685 Passionate Pedagogies 3

Examination of how passion, on the part of both teachers and learners, can become a motivating force for deeper understandings of ourselves and critical social issues.

ELC 686 Curriculum Theory 3

The nature of theory and of theory building; application of theoretical criteria to the field of curriculum.

Prerequisites: ELC 515 or its equivalent.

ELC 687 Legal and Ethical Dimensions of Leadership 3

The constitutional and statutory precedents and principles underlying the roles of federal, state, and local governments in public education. Recent court decisions relating to public education; development of awareness of freedoms and constraints of law and ability to implement and apply the intention of law and court decisions to practical problems of school administration.

Prerequisites: Basic knowledge of history of American education, governance and organization of education and basic U.S. history and/or constitutional law.

ELC 688 Contemporary Problems Seminar 1-3

Specific course title identified each semester by subscript, e.g., Contemporary Problems Seminar: Issues in Professional Negotiations.

Notes: May be repeated for credit when topic varies.

ELC 688H Contemporary Problems Seminar 1-3

Specific course title identified each semester by subscript, e.g., Contemporary Problems Seminar: Issues in Professional Negotiations.

Notes: May be repeated for credit when topic varies.

ELC 690 Practicum in Educational Administration 3-6

Planned administrative functions in appropriate school setting with objective of providing direct experience with processes and functions of educational administration. Supervision is shared responsibility of university and public school faculties.

Prerequisites: For educational administration majors at either master's or sixth-year level. Completion of 12 hours in MSA program and permission of instructor.

Notes: May be repeated for a maximum of 12 hours credit. Grade: Satisfactory/Unsatisfactory (S/U).

ELC 691 Urban School Organizational Leadership: Best Practices 3

Examines organizational dimensions of urban schooling including structure, culture, politics, bureaucracy, community. Explores practical organizational leadership reform initiatives that aim to promote educational excellence and encourage social justice.

ELC 692 Independent Study 1-4

Guided readings, research, and individual project work under direction of a staff member.

Prerequisites: Permission of instructor.

ELC 694 Cultural and Political Dimensions of Schooling 3

Structures and processes of school governance, including the impacts of district, state and Federal policies, and influence of special interest groups. Attention to policy development, advocacy, implementation, analysis, and critique.

ELC 700 Critical Perspectives in Education, Leadership, and Culture 3

Explores the challenges of educational transformation, including improved teaching and learning, equity/social justice, and democracy in institutions with complex cultural contexts. Introduction to habits of mind for advanced graduate study.

ELC 701 The School Superintendency 3

Designed for both aspiring superintendents and central office administrators. Focuses on basic knowledge and skill development around a broad range of issues critical to superintendent success.

Prerequisites: Admission to EdS or EdD program in educational leadership or permission of instructor.

ELC 702 School District Leadership 3

This course prepares school administrators to lead school districts. District leadership requires enacting a vision, organizing personnel, and managing operations to address human and community needs.

ELC 705 Foundations of Critical Theory 3

Provides a survey of foundational critical theorists, the Frankfurt School, and contemporary fields of study on power, social, cultural, and economic life through historical and sociopolitical analysis.

ELC 706 History of Education in the United States 3

Historical foundations of the educational system in the U.S. Contributions of selected educational leaders and the responses of the educational system to the dilemmas posed by major events and movements in the history of the country.

ELC 707 Philosophies in Education 3

Major philosophic viewpoints (traditional and contemporary) as they apply to education; analysis of past and present changes in educational outlook and practices.

ELC 708 Educational Sociology: Race, Class, and Gender Power Dynamics 3

Key sociological concepts and theories are utilized to analyze, critique, and understand how power operates on both micro and macro levels within United States educational systems.

ELC 709 Introduction to Critical Pedagogy 3

Introduction to the theory and practice of critical pedagogy including its relationship to critical social theory. Emphasis on education as vehicle for social change, moral critique, and personal transformation.

ELC 710 Data Literacy and Structured Inquiry 3

This course focuses on data literacy and structured inquiry for educational leaders. Throughout the course, there will be an emphasis on ethical and equity issues regarding data and inquiry.

ELC 722 Aesthetics, Visual Studies, and Critical Pedagogy 3

Aesthetics, visual literacy, visual culture, semiotics, and their influences in contemporary education. Development of critical visual literacy for the understanding and integration of the arts in pedagogy.

ELC 730 Democracy and Education 3

Study of the meaning of democracy, the relationship between democracy and education, and the role of schooling in preparing citizens.

ELC 749 Doctoral Dissertation Seminar 1-3

Develop, discuss, and defend a dissertation prospectus.

Prerequisites: Permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

ELC 750 Advanced Seminar in School Law Research 3

Case studies in school law.

Notes: For EdS students or the doctoral student writing a legal dissertation.

ELC 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ELC 751 Cases and Concepts in Educational Leadership 3

Uses cases and problem-based learning as opportunities to explore key analytic/theoretical perspectives and research evidence relevant to leadership for meaningful and equitable educational reform.

ELC 752 Theories in Educational Administration 3

The nature of theory, definition, utilization; contemporary theories applied to educational administration; system theory and its application possibilities to educational administration.

ELC 754 Personal Leadership Assessment and Enhancement 3

For students who intend to pursue educational leadership roles and careers in administration. Emphasizes development of creative leadership potential and maximization of personal growth.

Prerequisites: Admission to EdS or EdD program in educational leadership or permission of instructor.

ELC 767 Qualitative Data Collection and Analysis 3

In-depth experience in qualitative data collection and analysis beyond the introductory level. Completion of a qualitative research project in collaboration with other students in the class.

Prerequisites: ELC 664, ELC 665, or other course in qualitative research.

ELC 775 Directed Doctoral Research 3

Individual work on dissertation research problems: collection analysis, critical review, integration, and interpretation of research literature on a topic pertinent to the student's dissertation.

Prerequisites: Doctoral students in ELC or TED/HED and permission of instructor.

Notes: May be repeated once for credit.

ELC 790 Internship in Educational Leadership 3-18

Directed year-long internship in an appropriate educational administration field-based setting. Supervision shared by department faculty and field-based mentors.

Prerequisites: Minimum of 24 semester hours beyond the master's or a minimum of all prerequisite courses and 24 additional semester hours for those admitted to the program without a master's degree. All such work to be approved in writing by the student's Advisory/Dissertation Committee.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

ELC 799 Dissertation 1-12

Individual direction in the development and execution of a doctoral dissertation.

ELC 802 Dissertation Extension 1-3

Dissertation Extension.

ELC 803 Research Extension 1-3

Research Extension.

Educational Research Methodology (ERM)

ERM 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ERM 401 Assessment I: Accountability in Our Nation's Schools 1

Students will examine Federal, State, and classroom accountability systems. Enrollment is limited to students who are pursuing initial teaching licensure.

Prerequisites: Admission to the Teacher Education Program.

ERM 402 Assessment II: Standardized Tests 1

Students will examine standardized testing, key statistical terms, and the application of testing data to instructional planning. Enrollment is limited to students who are pursuing initial teaching licensure.

Prerequisites: Admission to the Teacher Education Program.

ERM 403 Assessment III: Classroom Assessment 1

Development, monitoring, and evaluation of student progress through classroom assessments. Enrollment is limited to students who are pursuing initial teaching licensure in B-K, K-12, and secondary programs.

Prerequisites: Admission to the Teacher Education Program.

ERM 405 Measurement and Assessment in Teaching 3

The fundamentals of measurement and assessment used in teaching middle and secondary grades, including the concepts of assessment types, assessment development, reliability, validity, interpreting test results.

ERM 417 Statistical Methods in Education 3

Introductory course in applied descriptive statistics, correlational methods, and linear regression that provides a conceptual and theoretical foundation for more advanced work and a thorough grounding in the use of computers for descriptive statistical analysis, and interpretation of results.

Prerequisites: Elementary Algebra.

ERM 600 Validity and Validation 3

Validity is fundamental to all testing operations. The course covers seminal theories, critical perspectives, as well as prominent validation research of critical importance to professionals working in diverse industry settings.

ERM 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ERM 604 Methods of Educational Research 3

Techniques and uses of research in education. Designed to provide the student with the ability to read, understand, and critically evaluate published empirical research.

Notes: Students who took this course as EAR 593 are not eligible to take ERM 604 and receive credit.

ERM 605 Educational Measurement and Evaluation 3

For teachers, counselors, and administrators. Principles of measurement and evaluation, methods of scoring and interpreting tests. Construction and use of teacher-made tests. Statistical concepts basic to understanding and interpreting test data.

Notes: Students who took this course as EAR or ERM 670 are not eligible to take ERM 605 and receive credit.

ERM 633 Second Language Assessment and Testing 3

Theoretical and practical issues related to second language testing with special attention paid to the assessment of English as a second language, world Englishes, and foreign languages.

ERM 636 Advanced Studies in Second Language Testing 3

Language testing for English and foreign language learners, as well as the World Englishes domain. It investigates policies, theories, research, and tools employed to measure different language modalities.

ERM 642 Evaluation of Educational Programs 3

Existing and emerging formulations of educational evaluation. Developing operational guidelines for conducting evaluations in educational settings.

ERM 643 Applied Educational Evaluation 3

An application course that uses modern evaluation models, data collection, statistical analyses, and interpretation of findings to establish the effectiveness and utility of an educational program.

Prerequisites: ERM 642.

ERM 644 Approaches to Collaborative Research and Evaluation in Education 3

This course provides a comprehensive overview of collaborative and participatory approaches to evaluation and research in educational settings and how these approaches are differentiated from other methodological approaches.

Prerequisites: ERM 604.

ERM 645 Culturally Responsive Approaches to Research and Evaluation 3

This course provides a comprehensive overview of culturally responsive approaches to evaluation and research in educational settings and includes both theoretical and practical applications.

Prerequisites: ERM 604.

ERM 650 Foundations of Qualitative Research Methods 3

This course will provide graduate students with a theoretical understanding of qualitative research and practical, hands-on experience conducting a small-scale study.

ERM 667 Foundations of Educational Measurement Theory 3

Statistical foundations, classical test theory, reliability, validity, item analysis, and norms; selected topics in modern test theory. Designed for those who will develop, evaluate, and select measurement instruments in their professional roles.

Prerequisites: ERM 680 or equivalent course.

Notes: Credit may not be obtained for PSY 437.

ERM 668 Survey Research Methods in Education 3

Theory, methods, and procedures of survey research as this methodology is applied to problems in education. Sampling from finite populations.

Prerequisites: ERM 517 and ERM 680 or equivalent.

ERM 669 Item Response Theory 3

Conceptual and mathematical foundations, parameter estimation, tests of model assumptions and goodness of fit, and practical applications of IRT.

Prerequisites: ERM 667 and either ERM 681 or STA 662 or equivalent courses.

ERM 675 Data Presentation and Reporting 3

Modern techniques for summarizing and visualizing univariate and multivariate data using various statistical and graphical software packages. Covers theories and research on graphics and the perception of visual data.

Prerequisites: ERM 680.

ERM 680 Intermediate Statistical Methods in Education 3

Applied descriptive and inferential statistics. Topics include applied probability, power analysis, chi-square distributions, hypothesis testing for a variety of applications, and correlation and regression. Concept learning, applications, and computer analyses are stressed.

Prerequisites: Elementary algebra.

Notes: Students who took this course as ERM 618 are not eligible to take ERM 680 and receive credit.

ERM 681 Design and Analysis of Educational Experiments 3

Advanced inferential statistics including factorial ANOVA, repeated measures design, multiple regression, ANCOVA, log-linear analysis. Applications in education and the social sciences.

Prerequisites: ERM 680 or equivalent, or permission of instructor.

ERM 682 Multivariate Analysis 3

Multivariate normal distribution. Cluster analysis, discriminant analysis, canonical correlation, principal component analysis, factor analysis, multivariate analysis of variance. Use and interpretation of relevant statistical software.

Prerequisites: ERM 680 and ERM 681, or STA 573, or STA 662, or permission of instructor.

ERM 685 R for Education and the Social Sciences 3

Using R to learn about programming fundamentals, data management, automating large numbers of analyses, conducting simulation studies, conducting specialized analyses, and producing high quality graphics.

Prerequisites: ERM 681.

Corequisites: ERM 681 or equivalent.

ERM 688 Contemporary Problems Seminar 1-3

Specific course title identified each semester by subscript, e.g., Contemporary Problems Seminar: Issues in Professional Negotiations.

Prerequisites: Advanced master's or doctoral standing or permission of instructor.

Notes: May be repeated for credit when topic varies.

ERM 688B Cont Pr Sem:Hot Topics Ed Res 3**ERM 692 Independent Study 1-4**

Guided readings, research, and individual project work under direction of a staff member.

Prerequisites: Permission of instructor.

ERM 720 Evaluation and Public Policy 3

This course will provide students with a critical understanding of the multiple connections (and disconnections) between public policy and evaluation.

Prerequisites: ERM 642 or equivalent.

ERM 726 Advanced Topics in Educational Measurement 3

Technical developments and applications in classical test theory, item response theory, generalizability theory, models of selection bias, differential item functioning, and test score equating.

ERM 727 Computer-Based Testing: Methods and Applications 3

Computer-based testing applications including automated test assembly, item banking, computer-adaptive and multistage testing, web-based testing, large scale assessment development and support systems, and computer-based performance assessments. Covers state-of-the-art research and developments.

Prerequisites: ERM 667.

ERM 729 Advanced Item Response Theory 3

Estimation techniques for various unidimensional dichotomous and polytomous IRT models using various software packages. IRT applications such as computerized testing, equating, test construction, and differential item/test functioning are also covered.

Prerequisites: ERM 669 or equivalent.

ERM 730 Practicum in Educational Research and Evaluation 3

Field-based and mentored practicum.

Prerequisites: Permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

ERM 731 Structural Equation Modeling in Education 3

Formulation of structural models, estimation of structural coefficients using LISREL, estimation of model fit, confirmatory factor analysis models, practical applications.

Prerequisites: ERM 682 or permission of instructor.

ERM 732 Hierarchical Linear Modeling 3

Structure of hierarchical data, random intercepts, individual change/growth models, applications in meta-analysis, assessing hierarchical models, hierarchical generalized linear models, hierarchical models for latent variables, cross-classified random effects, estimation.

Prerequisites: ERM 682, STA 671, or permission of instructor.

ERM 734 Equating 3

Equating designs, equating and scaling assumptions, design of anchor sets, observed score equating methods, true-score equating methods, standard error of equating, use and interpretation of relevant statistical software.

Prerequisites: ERM 681, ERM 667, or permission of instructor.

ERM 735 Multidimensional Item Response Theory 3

Multidimensional item response theory models including their estimation, representation, and application. Use of relevant estimation and graphing software discussed.

Prerequisites: ERM 669 and ERM 729 or permission of instructor.

ERM 737 Diagnostic Classification Models 3

Philosophy of diagnostics models, DINA/DINO model, RUM, Log-Linear Cognitive Diagnosis Model, Test Construction, Estimation of Diagnostic Models, Application of Diagnostic Models.

Prerequisites: ERM 669.

ERM 742 Advanced Topics in the Evaluation of Educational Programs 3

Theoretical understanding of evaluation design and strengthening of practical program evaluation skills.

ERM 743 Advanced Theory in Program Evaluation 3

Advanced seminar of complex issues in program evaluation. Students will develop a deep synthesis of the major approaches and theories of evaluation. The purpose of evaluation in society will be examined.

Prerequisites: ERM 642 or equivalent.

ERM 750 Case Study Methods in Educational Research 3

Overview of the methodology of case study research; enhancement of students' skills in using case study methods.

Prerequisites: ERM 604, ERM 642, or equivalent.

ERM 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ERM 775 Directed Doctoral Research 1-6

Individual work on dissertation research problems: collection and analysis of data; critical review, integration, and interpretation of research literature on a topic pertinent to the student's dissertation.

Prerequisites: Doctoral students in ERM and permission of instructor.

ERM 799 Dissertation 1-12

Individual direction in the development and execution of a doctoral dissertation.

ERM 801 Thesis Extension 1-3

Thesis Extension.

ERM 802 Dissertation Extension 1-3

Dissertation Extension.

ERM 803 Research Extension 1-3

Research Extension.

English (ENG)

ENG 101 College Writing I 3

A course in academic writing, focusing on analysis, argument, and critical reflection using the tenets of rhetoric. Instruction in drafting, revising, and compilation of a final portfolio.

GE Core: GRD

Notes: Equivalent to FMS 115 or RCO 101. Students may not receive credit for both ENG 101 and either FMS 115 or RCO 101.

ENG 102 College Writing II 3

A course in research-based writing, focused on analysis, argument, and critical reflection using the tenets of rhetoric. Instruction in research methodologies as relevant to college writing projects.

GE Core: GRD

Prerequisites: ENG 101, or FMS 115 or RCO 101.

Notes: Equivalent credit to FMS 116 or RCO 102. Students may not receive credit for ENG 102 and either FMS 116 or RCO 102.

ENG 103 Essentials of Professional and Business Writing 3

Focus: written skills needed for workplace success. Emphasizes process strategies for clear, concise, and accurate messages. Develops skills in producing professional documents, analyzing the writing of others, and collaborating on written assignments.

GE Core: GRD

Prerequisites: ENG 101.

ENG 104 Approach to Literature 3

Critical reading and analysis of fiction, poetry and drama with an emphasis on a variety of major themes and their relevance to contemporary life.

GE Core: GLT

ENG 105 Introduction to Narrative 3

Critical reading and analysis of American and British novels, short stories, and narrative poems. Attention to historical, cultural, and literary backgrounds as appropriate.

GE Core: GLT

ENG 106 Introduction to Poetry 3

Critical reading and analysis of British and American lyric, dramatic, and narrative poetry. Attention to historical, cultural, and literary backgrounds as appropriate.

GE Core: GLT

ENG 107 Introduction to Drama 3

Critical reading and analysis of British and American drama. Attention to historical, cultural, and literary backgrounds, especially the Continental dramatic background, as appropriate.

GE Core: GLT

ENG 108 Topics in British and American Literature 3

Variable topics. Offerings may include Southern Writers, The Mystery Novel, Women Writers, The Imperial Imagination, and Grail Literature.

GE Core: GLT

ENG 109 Introduction to Shakespeare 3

Intensive study of a limited number of plays (and perhaps some sonnets) using such approaches as textual analysis, historical material, filmed versions, attendance at productions, discussion, writing, and performance study.

GE Core: GLT

ENG 110 World Literature in English 3

Introductory survey of literature written in English by authors from regions outside the United States and the British Isles—the West Indies, India, Canada, Africa, Australia, and New Zealand.

GE Core: GLT

GE Marker: GL

ENG 201 European Literary Classics: Ancient to Renaissance 3

Critical reading and analysis of works in translation: Homer, Dante, Cervantes, and others.

GE Core: GLT

GE Marker: GL

ENG 204 Nonwestern Literary Classics 3

Reading and analysis of the most influential literary texts of Non-Western cultures, ancient through modern; readings include translations of prose and poetry from Asia, the Middle East, and Africa.

GE Core: GLT

ENG 205 Literature and Social Sciences 3

Exploration of literature in the context of social scientific findings and theories. Empirical and theoretical focus, drawn from disciplines such as sociology, psychology, anthropology, and economics, will vary.

GE Core: GLT

Notes: May be repeated once for credit when topic and instructor varies.

ENG 208 Topics in Global Literature 3

Variable topics, with emphasis on regional interconnections. Offerings may include Europe at War, World Women Writers, Literature and Revolution, and Holocaust Literature.

GE Core: GLT

GE Marker: GL

ENG 209 Topics in Non-Western Literature 3

Variable topics, with emphasis on regional interconnections. Offerings may include South Asian Diaspora, Comparative Indigenous Writings, Postcolonial Childhood, Afro-Caribbean Writers, and Australasian Writers.

GE Core: GLT

ENG 210 Literature and the Arts 3

Exploration of the relationships between literary and extraliterary arts such as music, visual arts, cinema, and architecture. Extraliterary focus will vary.

GE Core: GLT

ENG 211 Major British Authors: Medieval to Eighteenth Century 3

Major poets, dramatists, satirists read within the context of their times: Marie de France, Chaucer, Shakespeare, Milton, Behn, Pope, Swift, and others.

GE Core: GLT

Prerequisites: Sophomore standing or ENGL major or permission of instructor.

ENG 212 Major British Authors: Romantic to Modern 3

Major authors of the Romantic, Victorian and Modern periods studied in relation to their times and traditions: Wordsworth, Tennyson, Yeats, Joyce, and others.

GE Core: GLT

Prerequisites: Sophomore standing or ENGL major or permission of instructor.

ENG 213 Transcultural Literatures: Medieval to Enlightenment 3

Historical and transnational or transatlantic development of literatures in English from 700 to 1780.

Prerequisites: Sophomore standing or English major or permission of instructor.

ENG 215 Literature and Film 3

Selected short stories, novels, plays, film scripts and their film versions, with emphasis on rendering literary values into film.

GE Core: GFA

ENG 219 Journalism I: Fundamentals of Newswriting 3

Introduction to newspaper journalism. Emphasis on basic newswriting and reporting. Combines writing workshop and lecture.

ENG 221 Writing of Poetry: Introductory 3

Introductory workshop in writing poetry for students beyond the freshman year.

Prerequisites: Satisfaction of GLT requirement.

ENG 223 Writing Opinion Essays 3

Reading and writing essays that advocate ideas and causes.

Prerequisites: ENG 101. permission of instructor.

ENG 225 Writing of Fiction: Introductory 3

Introductory workshop in writing fiction for students beyond the freshman year.

Prerequisites: Satisfaction of GLT requirement.

ENG 230 Writing for the Workplace and Public Audiences 3

Reading and writing multiple genres of expository prose, focusing on the products of different writing communities in workplace and public settings.

GE Core: GRD

Prerequisites: ENG 101 or RCO 101 or FMS 115.

ENG 235 Special Topics: Speculative Fiction 3

Historical and critical study of texts from various kinds of speculative fiction, such as fantasy, science fiction, and utopian and/or dystopian writing.

GE Core: GLT

Notes: May be repeated once for credit when topic changes.

ENG 251 Major American Authors: Colonial to Romantic 3

Classic authors and their contributions to the intellectual life of America: Hawthorne, Melville, Douglass, Poe, Whitman, Dickinson, and others.

GE Core: GLT

Prerequisites: Sophomore, junior, or senior standing. or English major; or permission of instructor.

ENG 252 Major American Authors: Realist to Modern 3

Late nineteenth- and twentieth-century authors and their contributions to the development of modern thought: Dickinson, Twain, Frost, Faulkner, Hemingway, and others.

GE Core: GLT

Prerequisites: Sophomore, junior, or senior standing. ENGL major; or permission of instructor.

ENG 260 Introduction to the English Language 3

Relationship between the English language as a system and individual uses of language. Techniques for describing language, theories about language, and introduction to the structure and history of English.

ENG 262 Language and Society 3

Introduction to language in its sociocultural context. Topics include geographical and social dialects, language and identity, domains of language use, language attitudes, and the nature of multilingual societies.

GE Core: GSB

ENG 290 The Rhetoric of Social Movements 3

An examination of the verbal and non-verbal rhetorical strategies of groups and individuals attempting to effect social change, and the counter-strategies of those who oppose them.

GE Marker: GL

ENG 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENG 303 Critical Approaches to the Study of Literature 3

Introduction to critical approaches to literature. Guidelines for and practice in writing about literature.

Prerequisites: ENGL major.

ENG 304 History and Theory of Rhetoric 3

An introduction to major rhetorical theories and philosophies in their socio-historical context from the ancient Greeks through the twentieth century.

GE Core: GHP

LEC: GPM

Prerequisites: ENG 101 .

ENG 305 Contemporary Rhetoric 3

Introduction to contemporary rhetorical theory and practice; practice with writing and reading in a variety of genres/disciplines using tools of rhetoric.

Prerequisites: ENG 101.

ENG 306 Digital Rhetoric 3

Study of rhetorical theory and practice in digital environments; practice analyzing and composing a variety of visual, online, and multimodal texts.

Prerequisites: ENG 101.

ENG 307 Public Advocacy and Argument 3

Designed for students of all majors, this course addresses the rhetorical dimensions of the advocacy and implementation of ideas and projects in professional and social arenas.

ENG 310 Young Adult Literature 3

Focus on the historical and critical study of the Young Adult genre; examination of themes; strategies of effective reading; discussion techniques for teachers.

Prerequisites: Permission of instructor.

ENG 315 Postcolonial Literatures 3

Literature from South Asia, Africa, the Caribbean, Australia, and Canada marked by the experience of European colonialism. Topics include non-European literary forms, colonization, political resistance, nationalism, gender, postcolonial predicaments.

Prerequisites: Sophomore, junior, or senior standing.

ENG 316 Studies in Human Rights and Literature 3

Exploration of how literature treats human rights violations and how human rights norms shape stories. Topics will vary and may include such subjects as genocide, hunger, child soldiers, censorship, torture.

Notes: May be repeated for credit when topic varies.

ENG 320 Journalism III: Feature Writing and Reviewing 3

Writing workshop: values and journalistic practices in writing feature articles and reviews; includes book reviewing and critical writing on other arts.

Prerequisites: ENG 219 or permission of instructor.

ENG 321 Linguistics for Teachers 3

Introduction to formal study of the English language, including intensive review of structural and transformational grammars. Other topics of interest to teachers of English, including geographical and social dialects and teaching composition. Course satisfies a Program requirement for prospective English teachers.

ENG 322 The Teaching of Writing 3

Principles of written discourse with a survey of techniques of teaching composition. Instruction in composing, editing, and criticizing written discourse.

Prerequisites: University Reasoning and Discourse requirements must already have been met. For students seeking licensure in English; It is recommended that ENG 321 be taken first.

ENG 324 Teaching Writing in Elementary and Middle Grades 3

Principles of written discourse with a survey of techniques of teaching composition in the middle and elementary grades. Instruction in composing, editing, and criticizing written discourse.

Prerequisites: MDED and ELED majors.

ENG 325 Writing of Fiction: Intermediate 3

Continuation of introductory workshop in writing fiction for students beyond the freshman year.

Prerequisites: ENG 225 or permission of instructor.

ENG 326 Writing of Poetry: Intermediate 3

Continuation of introductory workshop in writing poetry for students beyond the freshman year.

Prerequisites: ENG 221 or permission of instructor.

ENG 327 Writing for Professionals and Entrepreneurs 3

Principles of written communication emphasizing clarity, precision, audience analysis, arrangement, and collaboration applied to a variety of professional and entrepreneurial writing tasks and workplace settings; includes elements of summaries, reports, and proposals.

Prerequisites: General Education Reasoning and Discourse requirement (GRD) must already have been met.

Notes: May be repeated for credit. Same as ENT 327.

ENG 331 Women in Literature 3

Study of women as readers, writers, and characters in literature. Attention to questions of literary canon and to women's position in drama, the novel, and poetry.

GE Core: GLT

ENG 332 English Women Writers before 1800 3

Study of the literary and social significance of texts written in various genres by English women prior to 1800.

ENG 333 Southern Writers 3

Fiction, poetry, drama of the modern and contemporary South. Emphasis on Southern perspectives, values, traditions. Faulkner, Welty, Wright, Tate, O'Connor, Percy, and others.

ENG 336 Introduction to Chaucer 3

Chaucer's major poetry examined within the context of medieval cultural traditions. Readings in the early dream visions, Troilus and Criseyde, and selected Canterbury Tales. Attention given to language and pronunciation.

ENG 337 English Literature to 1500 3

Culture of the Middle Ages. Selected reading in English literature from Beowulf to Malory. Works in Anglo-Saxon and some in Middle English in translation.

ENG 339 Shakespeare: Early Plays and Sonnets 3

A selection of representative plays including *Romeo and Juliet*, *A Midsummer Night's Dream*, *1 Henry IV*, *Much Ado about Nothing*, *Henry V*, and *Hamlet*.

GE Core: GLT

ENG 340 Shakespeare: Later Plays 3

A selection of representative plays, including *Othello*, *King Lear*, *Macbeth*, *Anthony and Cleopatra*, *Measure for Measure*, and *The Tempest*.

GE Core: GLT

ENG 342 The Seventeenth Century 3

Main lines of thought and style noted in major writers of the later Renaissance from Donne and Jonson through Milton. Emphasis on lyric and metaphysical poetry.

ENG 343 Topics in Pre-1800 Literature 3

Exploration of selected topics in literature in English before 1800.

Notes: May be repeated once for credit when topic changes.

ENG 344 The Romantic Period 3

Critical study of British literature, and its historical and/or cultural contexts, in the period from the French Revolution through the 1830s.

ENG 345 The Victorian Period 3

Critical study of British literature, and its historical and/or cultural contexts, from the late 1830s through the early 1900s.

ENG 346 English Literature from Victorian to Modern 3

Critical study of English literature from the end of Victorian period to beginning of the modern era. Features such writers as Pater, Wilde, Yeats, Shaw, Hardy, Conrad, Ford, and Wells.

ENG 347 Topics in Post-1800 Literature 3

Exploration of selected topics in literature in English after 1800.

Notes: May be repeated once for credit when topic changes.

ENG 348 Contemporary British Literature and Culture 3

Post-1945 British literature in cultural, political/historical context. Topics include history, social class, sexuality, gender, race, immigration, post-imperial nostalgia, realism, the legacy of modernism, postmodernism, and cultural studies.

ENG 350 The Twentieth-Century English Novel 3

Development of the English novel from Conrad through end of World War II, featuring such writers as Forster, Lawrence, Joyce, Woolf, Huxley, and Greene.

ENG 351 The American Novel through World War I 3

Historical and critical study of Hawthorne, Stowe, Twain, Alcott, Chesnut, James, Johnson, and others.

ENG 352 The Twentieth-Century American Novel 3

Historical and critical study of Wharton, Cather, Fitzgerald, Hemingway, Hurston, Faulkner, Wright, Welty, and others.

ENG 353 The Contemporary Novel 3

Historical and critical study of Updike, McCarthy, Gaddis, Morrison, Tan, Pynchon, and others.

ENG 357 Modernism 3

A study of the avant-garde literature of the early twentieth-century, focusing on poetry, prose, and drama by writers such as Marcel Proust, Virginia Woolf, T. S. Eliot, Franz Kafka, and others.

ENG 358 Modern Poetry 3

Poets and schools of poetry, British and American, from 1915 to 1945, with emphasis on the great variety of styles and subjects.

ENG 359 Contemporary Poetry 3

British and American poetry 1945 to present. Emphasis on themes and styles, with particular attention given to classical sources, world history, and modern innovations in technique.

ENG 360 The Restoration and the Eighteenth Century 3

Selected writers of the Restoration and eighteenth century in a historical, literary, and cultural context: Dryden, Behn, Finch, Pope, Swift, Haywood, Johnson, and others.

ENG 363 Topics in Rhetoric and Composition 3

Exploration of selected topics in Rhetoric and Composition.

Notes: May be repeated once for credit when the topic changes.

ENG 365 Writing Across the University 3

Introduction to theories of genre and scholarship on writing across disciplines. Students investigate the communication practices of a selected academic community and propose a discipline-specific research project.

Prerequisites: ENG 101 or equivalent. sophomore, junior, or senior standing.

ENG 371 Literary Study of the Bible 3

The Bible as part of the world's great literature. Designed to give students a better comprehension of the Bible through study of its origins, history, structure, and literary qualities.

GE Core: GLT

GE Marker: GL

ENG 372 Early American Literature 3

Literature in the New World to 1820. Topics include exploration and contact, Puritanism, the Great Awakening, the Revolution, and the rise of captivity and travel narratives and the novel.

ENG 373 American Romanticism 3

Survey of selected major romantic writers, c. 1800–1900: Irving, Bryant, Cooper, Prescott, Poe, Hawthorne, Melville, and authors from the Brahmin and Transcendentalist groups. Authors and topics will vary.

ENG 374 Early African American Writers 3

Critical survey of the traditions, ideas, techniques, and directions of African American writing from its beginnings to the early Harlem Renaissance.

ENG 375 Topics in Native American and Indigenous Studies 3

Exploration of the literatures, cultural productions, histories, and politics of indigenous peoples. Topic will vary depending on section.

Notes: May be repeated for credit when topic varies. Same as WGS 375.

ENG 376 African American Writers after the 1920s 3

Critical survey of the traditions, thought, and directions of African American writing from the late Harlem Renaissance to the present.

ENG 378 American Life-Writing 3

Survey of various forms of American life-writing, such as autobiographies, diaries, letters, journals, tribal history, narrative poetry, and travel writing; and affiliated critical work.

ENG 380 Literature and the Environment 3

Exploration of some important post-1800 literary texts about "nature," of ecocritical theories, and of affiliated social movements, with particular attention to place-based differences.

ENG 381 English Drama to 1800 3

Critical, cultural, and historical study of the English drama—excluding Shakespeare—from medieval plays to eighteenth-century comedy: Marlowe, Jonson, Webster, Dryden, Congreve, Sheridan, and others.

ENG 390 Studies in Writing Center Theory and Practice 3

Principles of writing center theory, including writing center history, philosophy, and pedagogy; training of writing center consultants and experience in teaching writing in individualized or small-group tutorial sessions.

Prerequisites: Permission of instructor.

ENG 391 Studies in Digital Studio Theory and Practice 3

Explores digital rhetoric, aesthetic design, and pedagogy; training Digital Studio consultants to conduct individualized tutorials and workshops.

Notes: ENGL major cannot receive elective credit for both ENG 390 and ENG 391.

ENG 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENG 401 Internship in Journalism and Editing 3

Field experience for junior and senior English majors and minors with a newspaper or magazine publisher. Academic supervision provided by Internship Coordinator and direction in field provided by job supervisor.

Prerequisites: ENGL major or minor; junior or senior standing; 3.0 cumulative GPA; recommendation of UNCG English faculty member and permission of the Internship Coordinator.

ENG 402 Internship in English Studies 3

Field experience for junior and senior English majors and minors in jobs related to English studies. Academic supervision provided by Internship Coordinator and direction in field provided by job supervisor.

Prerequisites: ENGL major or minor; junior or senior standing; 3.0 cumulative GPA; recommendation of UNCG English faculty member and permission of the Internship Coordinator.

ENG 410 Old English 3

Language and literature of the Anglo-Saxon period (AD 600–1100). The language is studied primarily in conjunction with literary texts in the context of their history and culture.

ENG 413 History of the English Language 3

Origins and development of the English language, methods of historical language study, and competing theories of linguistic change. Practical emphasis on reading and analysis of texts in Old, Middle, and Early Modern English.

ENG 422 Teaching Composition: Theories and Applications 3

Theories of the composing process and of discourse generally as they apply to the problems of teaching composition. Background studies in language and other related areas. Specific approaches to teaching composition, their rationales and their comparative usefulness.

Notes: ENG 321 or ENG 660 recommended.

ENG 424 Writing-Advanced: Analytical and Technical 3

Problems of organization and expression in books, articles, and reports. For those writing for publication or whose work in business or government requires a great deal of writing.

ENG 425 Writing of Fiction: Advanced 3

Advanced workshop in writing fiction. Discussion of student fiction supplemented by readings of fiction and essays about fiction by historical and contemporary masters of the genre.

Prerequisites: ENG 325 or permission of instructor.

ENG 426 Writing of Poetry: Advanced 3

Advanced workshop in writing poetry. Discussion of student poetry supplemented by readings of poetry and essays about poetry by historical and contemporary masters of the genre.

Prerequisites: ENG 326 or permission of instructor.

ENG 431 Feminist Theory and Women Writers 3

Examines gender and creativity, women's place in literary tradition, and connections among art, gender, race, and class. Focuses on contemporary theory and on literary works from one historical period.

ENG 435 Entrepreneurship and Independent Press Publishing 3

Exploration, analysis, and participation in independent press publishing from inception to final product while practicing the entrepreneurial strategies needed to begin a successful venture.

Prerequisites: Permission of instructor.

Notes: Same as ENT 435.

ENG 437 Middle English Literature 3

Language and literature of the thirteenth-, fourteenth-, and fifteenth-century England.

ENG 440 Shakespeare 3

Major comedies, histories, tragedies selected for topical study. Related background readings and criticism.

ENG 441 Milton 3

Milton's major poems and his most important prose works in their seventeenth-century setting.

ENG 445 Nineteenth-Century British Writers 3

Major Romantic and/or Victorian writers. Attention to poetry and prose.

ENG 449 The Critical Canon and Contemporary Issues 3

Important critical writings from ancient Greece through the nineteenth century, emphasizing their influence upon modern theory and practice.

ENG 452 Modern British Writers 3

Major novelists, poets, and playwrights of the modernist period.

ENG 453 Topics in English Studies 3

Studies in selected topics in English or American literature or language.

Notes: May be repeated once for credit when topic varies.

ENG 458 American Poetry After 1900 3

Critical and historical study of major twentieth-century American poets to World War II.

ENG 459 Twentieth-Century British Poetry 3

Critical and historical study of twentieth-century British poetry to World War II.

ENG 461 Eighteenth-Century British Writers 3

Selected major writers, 1660–1800, from among Dryden, Swift, Pope, Johnson, and others.

ENG 463 American Poetry Before 1900 3

American poetry and related critical theory with special emphasis on Taylor, Poe, Emerson, Whitman, and Dickinson.

ENG 464 American Prose Before 1900 3

Genres, themes, and movements of American prose, fiction and non-fiction, written before 1900.

ENG 465 American Prose After 1900 3

American prose written after 1900, with an emphasis on historical context, prose traditions in America, and the development of form, style, and genre.

ENG 482 Modern Drama 3

Drama of late nineteenth century and twentieth century, continental, English, and American.

ENG 490 Literacy, Learning, and Fieldwork 4

Examines the historical, pedagogical, ideological and theoretical threads of literacy studies, debates and programs. Includes training/tutoring fieldwork in local literacy programs, primarily in the public libraries.

ENG 493 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

ENG 513 History of the English Language 3

Origins and development of the English language, methods of historical language study, and competing theories of linguistic change. Practical emphasis on reading and analysis of texts in Old, Middle, and Early Modern English.

ENG 522 Teaching Composition: Theories and Applications 3

Theories of the composing process and of discourse generally as they apply to the problems of teaching composition. Background studies in language and other related areas. Specific approaches to teaching composition, their rationales and their comparative usefulness.

Notes: ENG 321 or ENG 660 recommended.

ENG 535 Entrepreneurship and Independent Press Publishing 3

Exploration, analysis, and participation in independent press publishing from inception to final product while practicing the entrepreneurial strategies needed to begin a successful venture.

Prerequisites: Permission of instructor.

Notes: Same as ENT 535.

ENG 537 Middle English Literature 3

Language and literature of the thirteenth-, fourteenth-, and fifteenth-century England.

ENG 540 Shakespeare 3

Major comedies, histories, tragedies selected for topical study. Related background readings and criticism.

ENG 541 Milton 3

Milton's major poems and his most important prose works in their seventeenth-century setting.

ENG 549 The Critical Canon and Contemporary Issues 3

Important critical writings from ancient Greece through the nineteenth century, emphasizing their influence upon modern theory and practice.

ENG 565 American Prose After 1900 3

American prose written after 1900, with an emphasis on historical context, prose traditions in America, and the development of form, style, and genre.

ENG 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENG 601 English Studies: Content, Methods, and Bibliography 3

A general consideration of the discipline of English, the most useful materials and approaches, and the objectives, problems, and issues in the study of language and literature.

Prerequisites: Admission to MA program in English or permission of the instructor.

ENG 602 Electronic Research, Writing, and Editing 3

Theory and application of computer technology in the study of language, rhetoric and composition, and literature, including related ethical, social, and philosophical issues.

ENG 604 Electronic Discourse and User Documentation 3

The study of such user documentation as reference manuals, tutorials, and operating procedures in its traditional, paper-based form and its transformation into electronic form.

ENG 608 Chaucer 3

Chaucer's major works, including *The Canterbury Tales* and *Troilus and Criseyde*.

ENG 618 Literary Citizenship 3

Exploration of the concepts and motivations of literary citizenship, focusing on its collaborative nature and its potential to enhance both your practice as a writer and your professional presence.

ENG 620 Contemporary Publishing 3

An introduction to current practices in the publishing industry from manuscript preparation to the printed book or magazine.

ENG 622 Internship in English 3

Practical experience in writing, editing, or other fields related to English studies. Students work under supervision of professionals.

Prerequisites: ENG 620 or permission of instructor.

ENG 623 Writing-Advanced: Nonfiction 3

Workshop in writing and publishing essays and nonfiction literature (including biography, autobiography, literary and cultural criticism, and extended forms of investigative and analytical reporting).

ENG 625 MFA Fiction Workshop 3

Notes: This course reserved for full-time MFA candidates.

ENG 626 MFA Fiction Workshop 3

Notes: This course reserved for full-time MFA candidates.

ENG 627 MFA Poetry Workshop 3

Notes: This course reserved for full-time MFA candidates.

ENG 628 MFA Poetry Workshop 3

Notes: This course reserved for full-time MFA candidates.

ENG 630 Early American Literature 3

Literature in the New World to 1820. Topics include exploration and contact, Puritanism, the Great Awakening, the Revolution, and the rise of captivity and travel narratives and the novel.

ENG 638 Southern American Writers 3

Principal authors, from colonial times to the present, and literary movements related to the development and influence of the Southern tradition in American literature.

ENG 642 Topics in Pre-1800 Literature 3

Exploration of selected topics in literature in English before 1800.

Notes: Course can be repeated twice for a total of 9 hours credit if the topic or instructor varies.

ENG 650 Modern Literary and Cultural Theory 3

Survey of literary theory from the linguistics of Saussure through recent developments such as poststructuralism, feminist theory, reception theory, and cultural studies. Emphasis on relationships among language, culture, and literature.

ENG 659 Digital Literacies and Online Rhetorics 3

Analysis of online rhetorics, digital literacies, and Internet/multimedia technologies as applicable to research on readers and writers interacting within online environments.

ENG 664 Topics in Post-1800 Literature 3

Exploration of selected topics in literature in English after 1800.

Notes: Course can be repeated twice for credit if the topic or instructor varies (total of 9).

ENG 665 Topics in Post-1800 Literature 3

Exploration of selected topics in literature in English after 1800.

ENG 670 Directed Master's Research 3

Directed research project for students in the MED program. To be taken at the end of the student's plan of study.

Prerequisites: Limited to MED candidates.

ENG 671 Graduate Tutorial in Writing: Fiction 3

Notes: This course reserved for full-time MFA candidates.

ENG 672 Graduate Tutorial in Writing: Fiction 3

Notes: This course reserved for full-time MFA candidates.

ENG 673 Graduate Tutorial in Writing: Poetry 3

Notes: This course reserved for full-time MFA candidates.

ENG 674 Graduate Tutorial in Writing: Poetry 3

Notes: This course reserved for full-time MFA candidates.

ENG 675 Scholarly and Critical Writing for the Profession 3

Instruction in scholarly and professional writing for doctoral students in English. Emphasis on writing for presentation and publication in the field. Practice in disciplinary conventions through in and out-of-class exercises.

Prerequisites: Enrollment in PhD Program in English or permission of instructor.

ENG 677 Special Problems in Writing 3

Notes: This course reserved for full-time MFA candidates.

ENG 678 Special Problems in Writing 3

Notes: This course reserved for full-time MFA candidates.

ENG 680 Teaching Internships in English 3

Practice in planning and conducting college-level classes under guidance of senior faculty member. Research project in conjunction with internship, under guidance of supervisor and assigned faculty.

Prerequisites: Admission to graduate degree program.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

ENG 682 The Structure of Verse 3

Verse forms and sound patterns in English and American poetry.

ENG 683 The Structure of Fiction 3

Elements of prose fiction, with an emphasis on the theory and art of narrative structure.

Prerequisites: Admission to MFA program or permission of instructor.

ENG 688 Women's Rhetoric and Feminist Pedagogy 3

Seminar in history and theory of women's rhetoric and feminist approaches to teaching. Examines women's writing and teaching in their cultural, social, ethnic, racial contexts.

Notes: ENG 522, ENG 531, or ENG 747 recommended.

ENG 690 History of Rhetoric: Classical through Renaissance 3

Origins, developments, and competing views of rhetoric from classical antiquity into the 17th century; intersections of rhetoric and public discourse, poetics, education, and gender.

ENG 691 History of Rhetoric: Enlightenment through Contemporary 3

Developments and competing views of rhetoric from the Enlightenment to the present; intersections of rhetoric and public discourse, poetics, education, and gender.

ENG 698 Topics in Rhetoric/Composition 3

Exploration of selected topics in the study of rhetoric and composition.

ENG 699 Thesis 1-6**ENG 706 Topics in Gender and Sexuality Studies 3**

Intensive work at an advanced level on a selected topic in Gender and Sexuality Studies.

Notes: Same as WGS 706.

ENG 710 Studies in English Renaissance Literature 3

Investigation of selected authors or topics.

Notes: May be repeated once for credit when topic varies.

ENG 713 Studies in Seventeenth-Century British Literature 3

Selected writers, topics, and genres characteristic of the Stuart era in English literature. Topics include 17th century English lyrics and 17th century prose.

Notes: May be repeated once when topic varies.

ENG 717 Studies in Eighteenth-Century British Literature 3

Study of a major author, movement, or genre, 1660-1800.

Notes: May be repeated once for credit when topic varies.

ENG 719 Studies in British Romanticism 3

Study of one or more British Romantic writers, and of Romanticism as a movement.

Notes: May be repeated once for credit when topic varies.

ENG 721 Studies in Victorian Literature and Culture 3

Topics in Victorian literature, with emphasis on such broad cultural issues as empire, gender, industrialization, or aestheticism.

Notes: May be repeated once for credit when topic varies.

ENG 725 Studies in Modernism 3

Study of literary modernism in the period 1890-1940, with particular emphasis on the range of textual and ideological experiment characteristic of the era.

Notes: May be repeated once for credit when topic varies.

ENG 730 Studies in American Literature 3

Exploration of topics in American literature to connect works from different periods, genres, and communities, uncovering broad patterns and trends.

Notes: May be repeated once for credit when topic varies.

ENG 731 Studies in American Literature before 1900 3

Selected major literary figures and movements.

Notes: May be repeated once for credit when topic varies.

ENG 733 Studies in American Literature after 1900 3

Selected major literary figures and movements.

Notes: May be repeated once for credit when topic varies.

ENG 734 Studies in American Women Writers 3

Intensive study of a particular area of American women's writing and affiliated critical work.

Notes: May be repeated once for credit when topic varies.

ENG 735 Studies in African-American Literature 3

Topics, theories, movements, and authors that comprise the African-American literary tradition.

Notes: May be repeated once for credit when topic varies.

ENG 737 Studies in Multi-Ethnic American Literature 3

Literatures of American ethnic groups, especially less-taught texts written by Chicano/Latino/Latina-, Asian-, African-, Native-, and Euro-Americans (Jewish, Italian, Irish, German, etc.).

Notes: May be repeated once for credit when topic varies.

ENG 740 Studies in Contemporary and Postmodern American Literature 3

Topics in contemporary and postmodern American literature, culture, and theory.

Notes: May be repeated once for credit when topic varies.

ENG 742 Studies in Rhetorical Theory and Practice 3

Themes, eras, and/or theorists in the history of rhetorical theory and practice.

Notes: May be repeated once for credit when topic varies.

ENG 744 Seminar in Composition Studies 3

Studies in special topics related to literacy, the process of composing, composition pedagogy, and composition research.

Prerequisites: ENG 522, ENG 747, or permission of instructor.

Notes: May be repeated once for credit when topic varies.

ENG 746 Studies in Contemporary Rhetorical Theory 3

Problems and topics in contemporary rhetorical theory; recent trends, issues, methods of rhetorical theory and related disciplines.

Notes: May be repeated once for credit when topic varies.

ENG 747 Teaching College Writing 3

The teaching of first-year writing at the college level, including history and theories of writing pedagogy and current best practices.

Prerequisites: Teaching assistant appointment in English.

Notes: Required for new teaching assistants in English.

ENG 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENG 778 Directed Reading 3-6

Individual conferences. Program of reading formulated to meet the varying needs of each student.

Prerequisites: Admission to PhD program, 18 hours of course work beyond the MA, and permission of the Director of Graduate Study.

ENG 780 Independent Doctoral Study 1-6

Intensive review of literature and criticism in a given field in preparation for preliminary examination or dissertation.

Prerequisites: 36 hours of PhD course work and permission of Director of Graduate Study.

Notes: May be repeated for up to six hours credit. Grade: Satisfactory/Unsatisfactory (S/U).

ENG 799 Dissertation 1-21**ENG 801 Thesis Extension 1-3**

Thesis Extension.

ENG 802 Dissertation Extension 1-3

Dissertation Extension.

ENG 803 Research Extension 1-3

Research Extension.

English as a Second Language (ESL)

ESL 600 Culture and Community for Graduate Studies I 1

This is a beginning level course that prepares students to integrate their understandings of their home cultures and communities into their graduate studies situated in the local cultures and communities.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ESL 601 Culture and Community for Graduate Studies II 1

This is an intermediate level course that prepares students to integrate their understandings of their home cultures and communities into their graduate studies situated in the local cultures and communities.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 602 Culture and Community for Graduate Studies III 1

This is an advanced level course that prepares students to integrate their understandings of their home culture and communities into their graduate studies situated in the local cultures and communities.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 610 Academic Listening I 2

This is a beginning level course that prepares students to engage in academic lectures and participate in academic conversations through the use of effective listening strategies.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 611 Communication and Presentation I 3

This is a beginning level course that prepares students to engage in academic dialogues with peers and faculty, participate in small group and class discussions, and present information in their academic discipline orally.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 612 Academic Reading and Vocabulary Development I 3

This is a beginning level course that prepares students to apply academic reading strategies and vocabulary development skills in discipline-specific academic reading tasks.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 613 Writing and Grammar I 3

This is a beginning level course that prepares students to apply their knowledge of English grammar, discourse, and writing conventions in academic writing for graduate-level courses.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 620 Academic Listening II 1

This is an intermediate level course that prepares students to engage in academic lectures and participate in academic conversations through the use of effective listening strategies.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 621 Communication and Presentation II 2

This is an intermediate level course that prepares students to engage in academic dialogues with peers and faculty, participate in small group and class discussions, and present information in their academic discipline orally.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 622 Academic Reading and Vocabulary Development II 2

This is an intermediate level course that prepares students to apply academic reading strategies and vocabulary development skills in discipline-specific academic reading tasks.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 623 Writing and Grammar II 2

This is an intermediate level course that prepares students to apply their knowledge of English grammar, discourse, and writing conventions in academic writing for graduate-level courses.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 630 Academic Listening III 1

This is an advanced level course that prepares students to engage in academic lectures and participate in academic conversations through the use of effective listening strategies.

Notes: Registration restricted to students with conditional admission.

ESL 631 Communication and Presentation III 1

This is an advanced level course that prepares students to engage in academic dialogues with peers and faculty, participate in small group and class discussions, and present information in their academic discipline orally.

Notes: Registration restricted to international graduate students with conditional admission.

ESL 632 Academic Reading and Vocabulary Development III 1

This is an advanced level course that prepares students to apply academic reading strategies and vocabulary development skills in discipline-specific academic reading tasks.

Notes: Registration restricted to international graduate with conditional admission.

ESL 633 Writing and Grammar III 1

This is an advanced level course that prepares students to apply their knowledge of English grammar, discourse, and writing conventions in academic writing for graduate-level courses.

Notes: Registration restricted to international graduate students with conditional admission.

Music Ensemble (ENS)

ENS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENS 320 Flute Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

Notes: May be repeated every semester.

ENS 324 Saxophone Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

Notes: May be repeated every semester.

ENS 330 Violin Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

Notes: May be repeated every semester.

ENS 331 Viola Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

Notes: May be repeated every semester.

ENS 334 Camerata 1

Performance of literature from all eras, including contemporary works for this medium.

Prerequisites: PRFM, MEDU, or MUSI major. or permission of instructor;

Notes: May be repeated every semester.

ENS 347 Casella Sinfonietta 1

Performance of conducted chamber literature for winds, strings, and percussion from all areas, including contemporary works for this medium.

Prerequisites: Permission of instructor.

Corequisites: ENS 393 or ENS 391.

Notes: May be repeated every semester provided different repertoire is selected.

ENS 348 Chamber Music 1

Group study and performance of selected chamber music literature/ jazz combo literature (nonconducted) with emphasis on development of independent chamber music performance skills. Personnel and repertoire assigned by performance faculty.

Notes: May be repeated every semester provided different repertoire is selected.

ENS 349 Keyboard Accompanying 1

Students are assigned vocal and/or instrumental students to accompany with literature appropriate to the student's level. Fulfills large ensemble requirement for keyboard performance majors.

Prerequisites: MUP 284/MUP 285 or permission of instructor.

Notes: May be repeated for a total of 5 semester hours.

ENS 366 Trumpet Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

Prerequisites: MEDU or PRFM major. or permission of instructor;

Notes: May be repeated every semester.

ENS 367 Horn Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

Notes: May be repeated every semester.

ENS 368 Trombone Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

Notes: May be repeated every semester.

ENS 369 Tuba/Euphonium Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

Notes: May be repeated every semester.

ENS 370 Percussion Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

Notes: May be repeated every semester.

ENS 371 Steelpan Ensemble 1

Performance of Steelpan music.

Notes: May be repeated for credit as topic varies. New material/repertoire will be assigned each semester.

ENS 376 Period Music Ensembles 1-2

Performance of conducted and nonconducted period (Renaissance through Contemporary) literature.

Prerequisites: Permission of instructor.

Notes: Open to all university students. May be repeated provided different repertoire is selected.

ENS 377 Old Time Ensemble 1-2

Performance of traditional Old Time repertoire.

Notes: Open to all university students. May be repeated provided different repertoire is selected.

ENS 378 Indian Music 1

Performance of Classical Indian Music.

Notes: May be repeated for credit.

ENS 379 Middle Eastern Ensemble 1

Performance of Arab, Turkish and other middle eastern musics.

Notes: May be repeated for credit as topic varies. New material/repertoire will be assigned each semester.

ENS 380 Men's Glee Club 1

Choral organization for graduate and undergraduate men's voices.

Prerequisites: Membership by audition.

Notes: Open to all university students. May be repeated for credit.

ENS 381 Women's Glee Club 1

Choral organization for graduate and undergraduate women's voices.

Prerequisites: Membership by audition.

Notes: Open to all university students. May be repeated for credit.

ENS 382 University Chorale 1

Mixed choral organization of approximately 50 graduate and undergraduate singers.

Prerequisites: Membership by audition.

Notes: Open to all university students. May be repeated for credit.

ENS 383 Touring Opera 1

Performance of literature from all eras, including contemporary works for this medium.

Prerequisites: PRFM, MEDU, or MUSI major. or permission of instructor;

Notes: May be repeated every semester.

ENS 384 Opera Role 1-2

Performance of literature from all eras, including contemporary works for this medium.

Prerequisites: PRFM, MEDU, or MUSI major. or permission of instructor;

Notes: May be repeated every semester.

ENS 385 Opera Chorus 1

Performance of literature from all eras, including contemporary works for this medium.

Prerequisites: PRFM, MEDU, or MUSI major. or permission of instructor;

Notes: May be repeated every semester.

ENS 387 Coro di Belle Voci 1

Choral Organization for graduate and undergraduate advanced soprano and alto voices.

Prerequisites: Membership by audition.

Notes: The course is open to all UNCG Sopranos and Altos. May be repeated every semester of enrollment for a total of 8 credit hours.

ENS 388 Chamber Singers 1

Select mixed vocal ensemble of 16 graduate and advanced undergraduate singers.

Notes: May be repeated for credit.

ENS 390 Sinfonia 1

String orchestra, performance of important works from symphonic repertoire of eighteenth, nineteenth, and twentieth centuries.

ENS 391 University Symphony Orchestra 1

Full symphony orchestra, performance of important works from symphonic repertoire of eighteenth, nineteenth, and twentieth centuries.

Notes: Open to all university students. May be repeated for credit.

ENS 392 University Band 1

Performance of literature from all eras, including contemporary works for this medium.

Notes: Open to all university students. May be repeated for credit.

ENS 393 University Wind Ensemble 1

Wind ensemble for advanced students. Performance of appropriate wind ensemble works from all eras.

Notes: Open to all university students. May be repeated for credit.

ENS 394 Symphonic Band 1

Performance of literature from all eras, including contemporary works for this medium.

Notes: Open to all university students. May be repeated for credit.

ENS 395 Jazz Ensemble I 1

Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition.

Prerequisites: Membership by audition.

Notes: May be repeated for credit.

ENS 396 Jazz Ensemble II 1

Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition.

Prerequisites: Membership by audition.

Notes: May be repeated for credit.

ENS 397 Pep Band 1

The pep band performs music in a variety of styles, drives sports crowds to enthusiastic support of our Athletic teams, and provides in-game leadership in school spirit.

Notes: May be repeated every semester.

ENS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENS 620 Flute Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 624 Saxophone Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 630 Violin Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 631 Viola Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 634 Camerata 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 647 Casella Sinfonietta 1

Chamber literature for winds, strings, and percussion from all eras, including contemporary works for this medium.

Prerequisites: Permission of instructor.

Corequisites: MUP 691 or MUP 693.

Notes: May be repeated when repertoire varies.

ENS 648 Chamber Music 1

Group study and performance of selected chamber music literature/ jazz combo literature (non-conducted) with emphasis on development of independent chamber music performance skills. Personnel and repertoire assigned by performance faculty.

Prerequisites: Permission of Instructor.

Notes: May be repeated for credit when repertoire varies.

ENS 666 Trumpet Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 667 Horn Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 668 Trombone Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 669 Tuba/Euphonium Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 670 Percussion Ensemble 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 671 Steelpan Ensemble 1

Performance of Steelpan Music.

Notes: May be repeated for credit. New material/repertoire will be assigned each semester.

ENS 675 Pres-Cont New Mus Ensmble 1

Provides advanced performers with the opportunity of performing contemporary repertoire as well as music of visiting composers and members of the UNCG community. The instrumentation of the ensemble varies from 4 to 18 performers.

Prerequisites: Permission of instructor.

ENS 676 Period Music Ensembles 1

Performance of conducted and non-conducted period literature for winds, string, percussion, and voice.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when different repertoire is selected.

ENS 677 World Music Ensemble 1

Performance of conducted and non-conducted world music literature.

Prerequisites: Permission of Instructor.

Notes: May be repeated for credit when different repertoire is selected.

ENS 678 Indian Music 1

Performance of classical Indian music.

ENS 679 Middle Eastern Ensemble 1

Performance of Arab, Turkish and other middle eastern musics.

Notes: May be repeated for credit. New material/repertoire will be assigned each semester.

ENS 680 Men's Glee Club 1

Choral organization for graduate men's voices.

ENS 681 Women's Glee Club 1

Choral organization for women's voices.

Notes: Membership by audition.

ENS 682 University Chorale 1

Mixed choral organization of approximately 50 singers.

Notes: Membership by audition.

ENS 683 Touring Opera 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 684 Opera Role 1-2

Performance of literature from all eras, including contemporary works for this medium.

Prerequisites: By audition.

ENS 685 Opera Chorus 1

Performance of literature from all eras, including contemporary works for this medium.

Prerequisites: By audition.

ENS 687 Coro di Belle Voci 1

Choral organization for graduate and undergraduate advanced soprano and alto voices. Audition is required or permission of instructor for admittance into the course.

ENS 688 Chamber Singers 1

Select mixed vocal ensemble of graduate and advanced undergraduate singers.

Notes: Membership by audition.

ENS 690 Sinfonia 1

String orchestra, performance of important works from symphonic repertoire of eighteenth, nineteenth, and twentieth centuries.

ENS 691 University Orchestra 1

Full symphony orchestra performing works from the symphonic repertoire of the eighteenth, nineteenth, and twentieth centuries.

ENS 692 University Band 1

Performance of literature from all eras, including contemporary works for this medium.

ENS 693 University Wind Ensemble 1

Performance of selected works for wind ensemble including both original and transcribed literature.

Notes: Advanced performers only. Membership by audition.

ENS 694 Symphonic Band 1

Performs literature from all eras, including contemporary works for this medium.

Notes: Open to all University students.

ENS 695 Jazz Ensemble 1

Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition.

Prerequisites: Membership by audition.

Notes: May be repeated for credit.

ENS 696 Jazz Ensemble II 1

Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition.

Prerequisites: Membership by audition.

Notes: May be repeated for credit.

ENS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Entrepreneurship (ENT)

ENT 130 Entrepreneurship in a Sustainable Global Environment 3

Global forces will restructure the world economy for the foreseeable future. Entrepreneurship, sustainability, and innovation will drive companies and individuals and produce major changes within that environment.

GE Marker: GL

Notes: Same as BUS 130.

ENT 200 Introduction to Entrepreneurial Finance 3

Introduction to problems and methods in business finance within the context of entrepreneurial ventures. Topics include business formation, sources of financing, financial statements, business valuation, budgeting, and measuring financial performance.

Notes: Same as FIN 200.

ENT 201 Creativity, Innovation, and Vision 3

Creativity and innovation is examined through an interdisciplinary lens. We examine how creative and innovative thinking gives us the vision to see opportunities and how they impact society.

GE Core: GSB

Notes: Same as BUS 201.

ENT 202 Arts Admin and Entrepreneurship 3

Introduces foundational skills for successful management, launching and growth of arts organizations. Topics include strategy, organizational structure, new venture launch, entrepreneurship, market analysis, marketing, fundraising and audience engagement.

Notes: Same as AAD 202.

ENT 206 Start Something 3

Students learn the basics of establishing a new business from idea to inception through the finalized business model. Students may have the opportunity to establish a viable business on campus.

Notes: Same as BUS 206.

ENT 240 Introduction to the Entrepreneurial Experience 3

Introduction to the entrepreneurial experience including historical perspectives, the role of entrepreneurs in supporting the economy, the entrepreneurial process, venture creation, and innovation.

Notes: Same as BUS 240.

ENT 250 Purpose-Driven Entrepreneurship 3

Students will engage in exercises to understand their purpose, develop a plan to create self-employed, meaningful work, and learn strategies to stay connected to the self and the world.

Notes: May be repeated once for credit. Business project must be different than the project completed first time taking the course; Same as HHS 250.

ENT 275 Entrepreneurial Personal Branding 3

Students will have a better understanding of the entrepreneurial mindset, how to use entrepreneurship strategies personally, and how to best brand and uniquely market themselves.

Notes: Same as HHS 275 and IPS 275.

ENT 276 Creative Space: The Meeting of Art and Entrepreneurship 3

Students develop self-employment skills with a focus on blending contemporary creative practices and entrepreneurship. Research and basic art skills are combined with entrepreneurship resulting in personal business models.

Prerequisites: ART or ENTR major.

Notes: Same as ART 276.

ENT 286 Foundations of Sport Coaching 3

Research and sport coaching skills will be explored as well as entrepreneurial learning theories and skills that allow coaches to develop their own coaching products for income/profit.

Notes: Same as KIN 286.

ENT 300 Ideas to Opportunities: Feasibility Analysis 3

Provides the knowledge and skills to develop a feasibility plan for a new business venture that will be the basis for developing a business plan.

Prerequisites: ENT 200 or FIN 200 or ACC 201 or permission of instructor.

Notes: Same as BUS 300.

ENT 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENT 307 Global Health 3

Study of disease burden and health systems in high-, middle-, and low-income countries. Emphasis on challenges and public health and entrepreneurial approaches to improvements in resource-constrained and emerging nations.

GE Marker: GN

Notes: Same as HEA 307.

ENT 309 Entrepreneurship in the Public Sector 3

Introduction to principles and practices of entrepreneurship in the public sector through literature, case studies of initiatives, such as citizen innovation and cross-sectoral collaborations, online class discussions, and group projects.

Notes: Same as PSC 309.

ENT 312 Economics of Technology 3

Economic analysis of technological change. Topics include sources of productivity, inventive activity, entrepreneurship, innovation strategy, RD management, patenting, and technology assessment.

Prerequisites: ECO 201.

Notes: Same as ECO 312.

ENT 315 The Economics of Entrepreneurship 3

Study of entrepreneurship from history of economic thought perspective and application of such concepts to economic agents. Emphasis on economic thought, market activity, and economic growth.

Prerequisites: ECO 201.

Notes: Same as ECO 315.

ENT 321 Design Thinking and/or Entrepreneurial Thinking 3

Theories and applications of design thinking and entrepreneurial thinking will be explored. Students interested in innovation and creativity with application ranging from regional to global in practice will benefit.

GE Marker: GL

Notes: Same as IAR 321.

ENT 324 Professional Selling 3

Professional selling provides students with the knowledge and skill sets needed to give them the ability to make effective sales presentations to businesses or consumers.

Notes: Same as MKT 324.

ENT 327 Writing for Professionals and Entrepreneurs 3

Principles of written communication emphasizing clarity, precision, audience analysis, arrangement, and collaboration applied to a variety of professional and entrepreneurial writing tasks and workplace settings; includes elements of summaries, reports, and proposals.

Prerequisites: General Education Reasoning and Discourse requirement (GRD) must already have been met.

Notes: May be repeated for credit. Same as ENG 327.

ENT 328 Sales Leadership 3

Problems in selling and sales management are dealt with from the strategic marketing perspective. The sales management process is addressed from the perspective of the profit-maximizing allocation of resources of the firm.

Prerequisites: Sophomore standing.

Notes: Same as MKT 328.

ENT 335 Entrepreneurial Finance 3

This course focuses on financial analysis, financial forecasting, financing, capital costs, and working capital management of start-up businesses and existing businesses in the early stages of development.

Notes: Same as FIN 335.

ENT 336 Opportunities to Action: Business Plan 3

Provides the knowledge and skills to develop a feasibility plan into a business plan for a new venture, which culminates in a business plan competition.

Prerequisites: BUS 300 or ENT 300.

Notes: Same as BUS 336.

ENT 337 Family Business 3

Overview of family business, including what is required for family harmony and business continuity.

Notes: Same as BUS 337.

ENT 338 Global Franchising 3

This course introduces the student to opportunities in franchising including becoming a franchisee or franchisor.

GE Marker: GL

Prerequisites: ACC 201 or ENT 200/FIN 200.

Notes: Same as BUS 338, STH 338.

ENT 339 Entrepreneurial Leadership 3

Leadership theories, skills, and practices necessary for effectiveness in varied entrepreneurial settings, including private businesses, corporations, not-for-profit organizations, and social movements.

Notes: Same as BUS 339.

ENT 340 Social Entrepreneurship 3

Introduction to social entrepreneurship including identification of social problems and how they are solved through innovation, community impact, sustainability, ethical, scalable, economic value creation, and risk-taking efforts.

Notes: Same as BUS 340.

ENT 342 International Entrepreneurship 3

Creation and management of business ventures with international dimensions are examined, and economic and formal/informal institutions affecting entrepreneurship are discussed.

GE Marker: GL

Notes: Same as BUS 342.

ENT 354 Restaurant Entrepreneurship 3

Students will explore the role of entrepreneurship in the hospitality and tourism industry, determine risks and rewards of self-employment, and develop business concepts based on the hospitality and/or tourism skill set.

Prerequisites: Junior or senior standing.

Notes: Same as STH 354.

ENT 362 Ethical Issues in Entrepreneurship 3

Application of ethical theory to global entrepreneurship; including entrepreneur's role in ethical actions, economic justice, responsibility, self and government regulation, conflict of interest, investment policy, advertising, and environmental responsibility.

GE Core: GPR

GE Marker: GN

Notes: Students may not receive credit for both PHI 361 and PHI 362. Same as PHI 362.

ENT 394 Advanced Studio Practicum: Art and Entrepreneurship 3

Development and operation of student-run art studio offering services ranging from graphic design and photography to painting and sculpture. Emphasis on developing professional and entrepreneurial skills.

Prerequisites: Junior or senior standing.

Notes: Grade: Pass/Not Pass (P/NP). May be repeated once. Same as ART 394.

ENT 396 Transition Planning and School-Based Entrepreneurship 3

This course will provide a background in transition planning for students with disabilities. Emphasis is placed on career development and transition services and entrepreneurial efforts in schools and communities.

Prerequisites: Junior standing.

Notes: Same as SES 396.

ENT 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENT 402 Entrepreneurship in the Performing Arts 3

Focus on entrepreneurship knowledge, skills and career development in the performing arts.

Prerequisites: Junior or senior standing.

Notes: Same as VPA 402, MUP 402.

ENT 403 Entrepreneurial Marketing 3

Focuses on marketing strategy, planning, and tactics for entrepreneurial firms. Addresses general marketing issues and specific "real world" marketing problems. Entrepreneurial firms serve as clients for student consulting teams.

Notes: Same as MKT 403.

ENT 410 Entrepreneurial Urban Planning 3

Fundamental concepts and techniques of urban planning as it relates to enhancing overall quality of life with a primary focus on land use patterns, the environment, business and entrepreneurship.

Notes: Same as GES 402/GES 602.

ENT 411 Silver Industries 3

Overview of the longevity economy and its influences on entrepreneurial opportunities. Case illustrations highlighted. Using the entrepreneurial business model, students explore opportunities, risks, and rewards in the silver industries market.

Notes: Same as GRO 511.

ENT 416 Entrepreneurship in Clinical Settings 3

Designed to teach students how to effectively build and implement a successful business model for the design and delivery of clinical practices, or related services.

Prerequisites: Advanced undergraduate student, graduate student, Vision student. or permission of instructor;

Notes: Same as CED 616.

ENT 427 Personal Selling Internship 3

Minimum of 100 hours planned work experience in an organization with a personal sales force. Instructor will provide placement or must approve placement in advance.

Prerequisites: Permission of Instructor.

Notes: Same as MKT 427.

ENT 430 Researching Opportunities in Entrepreneurship and Economic Development 3

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

Prerequisites: Junior, senior, or graduate standing.

Notes: Same as GES 430, LIS 430, MKT 430.

ENT 435 Entrepreneurship and Independent Press Publishing 3

Exploration, analysis, and participation in independent press publishing from inception to final product while practicing the entrepreneurial strategies needed to begin a successful venture.

Prerequisites: Permission of instructor.

Notes: Same as ENG 435.

ENT 440 Social Entrepreneurship: Justice and a Green Environment 3

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

Prerequisites: Upper-division undergraduate status.

Notes: Same as BUS 440, PCS 440, WGS 440.

ENT 450 Directed Business Practice 3

Planned work experience approved in advance by instructor. This is a web-based course that requires regularly scheduled work in an organization that sponsors your internship. In addition, the course requires reading, writing, and skill practice assignments.

Prerequisites: Junior standing and written permission of the instructor.

Notes: Open to all majors. Same as BUS 450.

ENT 451 Service Management 3

Integration of service systems management, human behavior, and marketing in the creation, delivery, and assurance of service quality and customer service.

Notes: Same as CTR 451, STH 451.

ENT 455 Arts and Entrepreneurship: Career Strategies for Artists 3

Overview of professional performing arts career management tools. Students learn the basics of applying entrepreneurship skills and strategies to starting and sustaining an arts-related business.

Prerequisites: ARAD, DANC, DRAM, MEDU, MUSI, or PRFM major. or permission of instructor;

Notes: Same as AAD 455, DCE 455.

ENT 493 Honors Work in Entrepreneurship 3

Paper or project in one of the seven profiles in Entrepreneurship; may be in conjunction with the North Carolina Entrepreneurship Center.

Prerequisites: Permission of instructor, 3.30 GPA in the major, 12 s.h. in the major.

ENT 498 Internship in Arts Administration and Entrepreneurship 3

Supervised work experience pre-approved that requires regularly scheduled hours in an entrepreneurial arts organization. The course meets online throughout the semester and requires reading, writing, and oral communication assignments.

Prerequisites: Permission of Instructor.

Notes: Same as AAD 498.

ENT 499 Selected Topics in Entrepreneurship 1-3

Study of topics of common interest to those interested in entrepreneurship. Group discussion and study rather than independent study emphasized. Generally non-recurring topics studied.

Prerequisites: Junior standing. permission of instructor;

Notes: May be repeated for credit if the topic of study changes. Same as BUS 499.

ENT 511 Silver Industries 3

Overview of the longevity economy and its influences on entrepreneurial opportunities. Case illustrations highlighted. Using the entrepreneurial business model, students explore opportunities, risks, and rewards in the silver industries market.

Notes: Same as GRO 511.

ENT 516 Entrepreneurship in Clinical Settings 3

Designed to teach students how to effectively build and implement a successful business model for the design and delivery of clinical practices, or related services.

Prerequisites: Advanced undergraduate student, graduate student, Vision student. or permission of instructor;

Notes: Same as CED 616.

ENT 530 Researching Opportunities in Entrepreneurship and Economic Development 3

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

Prerequisites: Junior, senior, or graduate standing.

Notes: Same as GES 430/GES 630, LIS 530, MKT 530.

ENT 535 Entrepreneurship and Independent Press Publishing 3

Exploration, analysis, and participation in independent press publishing from inception to final product while practicing the entrepreneurial strategies needed to begin a successful venture.

Prerequisites: Permission of instructor.

Notes: Same as ENG 535.

ENT 540 Social Entrepreneurship: Justice and a Green Environment 3

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

Notes: Same as BUS 540, PCS 540, WGS 540.

ENT 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENT 606 International Entrepreneurship 3

Issues related to starting, joining, or holding stakes in international ventures, the creation and management of business ventures that have international dimensions, economic and formal/informal institutions affecting entrepreneurship.

Notes: Same as BUS 606.

ENT 609 Franchising 3

Develop knowledge and skills needed to succeed as a franchisee, franchisor, or franchise executive, including understanding the Franchise Disclosure Document and the role of entrepreneurship in franchising.

ENT 610 Entrepreneurial Urban Planning 3

Fundamental concepts and techniques of urban planning as it relates to enhancing overall quality of life with a primary focus on land use patterns, the environment, business and entrepreneurship.

Notes: Same as GES 402/GES 602.

ENT 615 Entrepreneurship for the Sciences 3

Develop knowledge and skills in entrepreneurship to identify and evaluate science and technology ideas in chemistry and the life sciences as opportunities to take through the feasibility and business plan.

Notes: Same as CHE 615.

ENT 616 Entrepreneurship-Clinical Settings 2

Designed to teach students how to effectively build and implement a successful business model (e.g. private practice) for the design and delivery of clinical practices, or related services.

ENT 661 Entrepreneurial Career Development in Music 3

Focus on the entrepreneurship knowledge, skills, and career development to enable students to become the architect of his/her future.

Notes: Same as MUP 661.

ENT 672 Web Programming 3

Apply fundamental programming concepts in designing and implementing applications for the web. Foundations for developing web applications.

Notes: Same as ISM 672.

ENT 677 Entrepreneurship Opportunities in Healthy Aging 3

Examination of entrepreneurship opportunities related to the aging population, with specific attention to products and services that extend the healthy lifespan. Includes development of Business Opportunity Analysis.

Notes: Same as GRO 677.

ENT 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ENT 803 Research Extension 1-3

Research Extension.

ENT 840X International ENT Exp 1-6

Finance (FIN)

FIN 200 Introduction to Entrepreneurial Finance 3

Introduction to problems and methods in business finance within the context of entrepreneurial ventures. Topics include business formation, sources of financing, financial statements, business valuation, budgeting, and measuring financial performance. Cross Listed Courses Same as ENT 200.

FIN 300 The Management of Personal Finance 3

Personal budgeting and accounting; borrowing money; buying on credit; personal income tax returns; saving and wise investment of savings; insurance; home ownership.

FIN 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

FIN 315 Business Finance I 3

Recognition and analysis of financial problems. Integrated approach to financial management emphasizing basic concepts of valuation, investment, and financial structure.

Prerequisites: ACC 201 or ACC 218. ECO 201, ECO 202; Major in ACCT, BADM, CARS, ECON, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

FIN 330 Financial Institutions and Markets 3

Principal institutions and markets comprising the financial system; their roles in short-term, long-term and equity financing, interest rate determination and capital formation. Interrelationships between domestic and international and financial markets. Government policy objectives and regulations as influences on the financial system.

Prerequisites: Grade of C or better in FIN 315.

FIN 335 Entrepreneurial Finance 3

This course focuses on financial analysis, financial forecasting, financing, capital costs, and working capital management of start-up businesses and existing businesses in the early stages of development.

Notes: Same as ENT 335.

FIN 360 Internship in Finance 3

Provides students with an opportunity to apply finance knowledge in a business environment and to gain a better understanding of the finance profession.

Prerequisites: Grade of C or better in FIN 315. Finance major; permission of internship coordinator.

FIN 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

FIN 410 Business Finance II 3

Theory and practical application of capital budgeting, cost of capital and capital structure analysis, working capital management, and financial analysis and planning.

Prerequisites: Grade of C or better in ACC 201 or ACC 218. ECO 250; and a grade of C or better in FIN 315.

FIN 442 Investments 3

Investment principles and practices, investment policies, security analysis, and the mechanics and mathematics of security purchases. Long- and short-term fluctuations of security prices, functions of securities markets and regulatory bodies, and individual investment needs.

Prerequisites: Grade of C or better in FIN 315.

FIN 449 Seminar in Finance 3

Independent study, research, and class discussion covering a topic or group of related topics of current interest in financial theory, policy, or practice. Topics may vary each semester.

Prerequisites: Grade of C or better in FIN 410.

FIN 450 Derivatives 3

Investigation of risk and the financial risk management process including portfolio insurance. Topics include options, futures, hedging, decision trees, and sensitivity analysis.

Prerequisites: Grade of C or better in FIN 315.

FIN 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major; 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

FIN 499 Problems in Finance 3

Independent study, research, and class discussion covering a topic or group of related topics of current interest in theory or policy of finance. Topics may vary from semester to semester.

Prerequisites: Senior majors. permission of Department Head; grade of C or better in FIN 315;

Notes: May be repeated for credit with approval of Department Head.

First Year Experience (FYE)

FYE 100X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

FYE 101 Succeed at the G 2

This course is designed to help new students transition successfully to academic and student life. Students will connect with the UNCG community, campus resources and opportunities, while developing skills essential for academic success, and beginning their journey to discovering their own purpose and potential.

Prerequisites: Written permission - All students will be pre-enrolled in the course.

Notes: FYE 101 is for new students only. Specific sections are restricted for exploratory majors, students participating in the Spartan Men's Initiative, etc.

Foundations for Learning (FFL)

FFL 200 The Sophomore Experience 1

This course equips sophomores with essential competencies for academic and personal success including development of personal strengths, exploration of majors and careers, critical thinking, academic skills, and using campus resources.

FFL 200X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

FFL 225 Special Topics in Social Movements 3

Examines principles and definitions of social justice through the focused study of specific social movements.

Prerequisites: UNCG students with 12 or more semester hours.

Notes: May be repeated twice for credit.

FFL 250 Enhancing the Transfer and Adult Student Experience 2

Engages transfer and adult students in an exploration of resources, skills, and competencies essential to academic success at UNCG, while also examining the role of higher education in achieving personal, academic, and career goals.

French (FRE)

FRE 101 Beginning French I 3

Introduction to the French language and the cultures of the French-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

Notes: Students with previous knowledge of French are required to take the placement test. Students who are native or heritage speakers of French MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

FRE 102 Beginning French II 3

Continued study of the French language and the cultures of the French-speaking world at the introductory level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

Prerequisites: FRE 101 or met this level by the placement test.

Notes: Students with previous knowledge of French are required to take the placement test. Students who are native or heritage speakers of French MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

FRE 203 Intermediate French I 3

Intermediate-level study of the French language and cultures of the French-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

LEC: GFL

Prerequisites: FRE 102 or equivalent or met this level by the placement test.

Notes: Students with previous knowledge of French are required to take the placement test. Students who are native or heritage speakers of French MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

FRE 204 Intermediate French II 3

Continued study of the French language and cultures of the French-speaking world at the intermediate level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

LEC: GFL

Prerequisites: FRE 203 or equivalent or met this level by the placement test.

Notes: Students with previous knowledge of French are required to take the placement test. Students who are native or heritage speakers of French MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

FRE 210 Intermediate French Conversation 1

Designed for students who wish to improve their oral proficiency in French. Topics of current interest as presented by various French media (radio, TV, newspaper/magazine reports).

Prerequisites: FRE 204/FRE 241 or equivalent, or departmental permission.

Notes: Grade: Pass/Not Pass (P/NP). May be repeated for credit up to 2 s.h.

FRE 232 Images of France and the Francophone World 3

A study in English of French and Francophone civilizations and cultures and their impact on modern Western culture. Emphasis on understanding present-day issues and evaluating stereotypical images.

GE Marker: GL

Notes: May not be used for credit toward French major or minor.

FRE 241 Intermediate French: Culture and Business 3

Further study of intermediate-level French focusing on topics and vocabulary pertaining to the culture and business practices of present-day France. Emphasis on active speaking, reading, writing, and grammar.

GE Marker: GL

LEC: GFL

Prerequisites: FRE 203 or equivalent or met this level by the placement test.

Notes: Students with previous knowledge of French are required to take the placement test. Students who are native or heritage speakers of French MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

FRE 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

FRE 301 Advanced French 3

An opportunity to increase proficiency in oral and written language skills while extending knowledge of French literature and contemporary French culture. A bridge to advanced work in all areas.

GE Marker: GL

Prerequisites: FRE 204 or FRE 241 or equivalent, or departmental permission;

Notes: May not be taken for credit by students who have successfully completed FRE 315 or above.

FRE 303 Francophone Cultures: An Introduction 3

An introduction to the Francophone cultures and literatures with focus on North Africa, sub-Saharan Africa, the Caribbean, and Quebec. Includes review of grammatical structures and development of language skills.

GE Marker: GL

Prerequisites: FRE 204 or FRE 241, or permission of instructor.

FRE 311 French Conversation and Phonetics 3

Training in spoken French and phonetics.

Prerequisites: FRE 204 or FRE 241 or equivalent, or departmental permission.

FRE 312 French Conversation and Culture 3

Training in spoken French in the context of French culture.

GE Marker: GL

Prerequisites: FRE 204 or FRE 241 or equivalent, or departmental permission.

FRE 313 Conversation in France 3

Intensive formal and informal training in French conversation in a living French setting.

FRE 315 Advanced Grammar and Composition 3

Study of grammar and idiom. Formal and informal writing.

GE Marker: GL

Prerequisites: FRE 204 or FRE 241 or equivalent, or departmental permission.

FRE 331 Culture and Civilization in France 3

Study of French culture and civilization in France.

FRE 332 Introduction to French Civilization and Culture 3

An introduction to French civilization and culture with a primary focus on modern institutions of the Fifth Republic.

Prerequisites: FRE 204 or FRE 241 or equivalent, or departmental permission.

FRE 341 Business French 3

French used in various types of business, with practice in writing and speaking. Readings on economic aspects of the French-speaking world.

GE Marker: GL

Prerequisites: FRE 204 or FRE 241 or equivalent, or departmental permission.

FRE 353 Survey of French Literature 3

French literature from Middle Ages through the twentieth century.

Prerequisites: FRE 204 or FRE 241 or equivalent, or departmental permission.

FRE 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

FRE 407 Teaching French through French Literature 3

Strategies for teaching the French language through its literature. All major genres represented.

Prerequisites: FRE 353 or departmental permission.

Notes: For upper-level majors and graduate students who plan to teach French.

FRE 410 The Theory and Practice of French Translation 3

An exploration of the theory and practice of translation from and into French.

Prerequisites: FRE 315 or permission of instructor.

FRE 415 Advanced French Composition 3

Review of grammar and practice in informal and formal writing skills. Emphasis on the explication de texte and the dissertation littéraires.

Prerequisites: FRE 315 or departmental permission.

FRE 418 Studies in Film Genre 3

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

Prerequisites: Permission of department.

Notes: May be repeated for credit when the topic varies. Same as FRE 463, SPA 462.

FRE 433 French and Francophone Civilization and Culture 3

Study of the vast heritage of French civilization. Discovery of the historical, geographical, sociological, political, cultural, and artistic life of France and the Francophone world.

Prerequisites: FRE 331, FRE 332, or FRE 496, or permission of instructor.

FRE 450 Topics in French Literary Movements 3

In-depth study of a major literary trend: mannerism, classicism, realism, naturalism, and others.

Prerequisites: FRE 353 or departmental permission.

Notes: May be repeated for credit when topic varies.

FRE 451 Topics in French Prose Fiction 3

Studies in prose fiction—roman, conte, nouvelle, etc.—through a variety of critical and historical approaches, each topic focusing on one such approach.

Prerequisites: FRE 353 or departmental permission.

Notes: May be repeated for credit when topic varies.

FRE 455 Topics in French and Francophone Literature and Film 3

Advanced-level studies of a theme in French and/or Francophone literature and/or film that transcends the traditional period divisions. Taught in French.

Prerequisites: FRE 353 or departmental permission.

Notes: May be repeated for credit when topic changes.

FRE 456 Topics in French Theatre 3

Studies in French theatre through a variety of critical and historical approaches.

Prerequisites: FRE 353 or departmental permission.

Notes: May be repeated for credit when topic varies.

FRE 457 Advanced Topics in French Literature 3

Nontraditional perspectives on literature in the French language: thematic topics, and others.

Prerequisites: FRE 353 or departmental permission.

Notes: May be repeated for credit when topic varies.

FRE 458 Topics in Francophone Literature 3

Studies in Francophone literature through a variety of aspects or genres, each topic focusing on one such aspect or genre.

Prerequisites: FRE 353 or departmental permission.

Notes: May be repeated for credit when topic varies.

FRE 459 Topics in French Poetry 3

Studies in French poetry through a variety of critical and historical approaches.

Prerequisites: FRE 353 or departmental permission.

Notes: May be repeated for credit when topic varies.

FRE 463 Studies in Film Genre 3

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

Prerequisites: Permission of department.

Notes: May be repeated for credit when topic varies. Same as ITA 418, SPA 462.

FRE 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

FRE 496 Directed Study in French and Francophone Civilization and Culture 3

Directed study and research in French and Francophone civilization and culture.

Prerequisites: Departmental permission required.

Notes: May be repeated for credit when topic varies.

FRE 497 Directed Study in French Language 3

Directed study and research in French language.

Prerequisites: Departmental permission required.

Notes: May be repeated for credit when topic varies.

FRE 498 Directed Study in French and Francophone Literature 3

Directed study and research in French and Francophone literature.

Prerequisites: Departmental permission required.

Notes: May be repeated for credit when topic varies.

FRE 499 Community-Based Service Learning in Francophone Studies 3

Field experience for French graduate students, French majors and minors, and advanced French undergraduates requiring interaction/active language use with Francophone immigrant families in the community.

Prerequisites: 15 s.h. of course work in French at the 300 level or above. minimum 3.0 GPA (overall and in major); and permission of the instructor.

FRE 511 The Theory and Practice of French Translation 3

An exploration of the theory and practice of translation from and into French.

Prerequisites: FRE 315 or permission of instructor.

FRE 532 French and Francophone Civilization and Culture 3

Study of the vast heritage of French civilization. Discovery of the historical, geographical, sociological, political, cultural, and artistic life of France and the Francophone world.

Prerequisites: FRE 331, FRE 332, or FRE 496, or permission of instructor.

FRE 556 Topics in French Theatre 3

Studies in French theatre through a variety of critical and historical approaches.

Prerequisites: FRE 353 or departmental permission.

Notes: May be repeated for credit when topic varies.

FRE 557 Advanced Topics in French Literature 3

Nontraditional perspectives on literature in the French language: thematic topics, and others.

Prerequisites: FRE 353 or departmental permission.

Notes: May be repeated for credit when topic varies.

FRE 558 Topics in Francophone Literature 3

Studies in Francophone literature through a variety of aspects or genres, each topic focusing on one such aspect or genre.

Prerequisites: FRE 353 or departmental permission.

Notes: May be repeated for credit when topic varies.

FRE 562 Studies in Film Genre 3

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

Prerequisites: Departmental permission.

Notes: May be repeated for credit when the topic varies. Same as SPA 562, ITA 518.

FRE 599 Community-Based Service Learning in Francophone Studies 3

Field experience for French graduate students, French majors and minors, and advanced French undergraduates requiring interaction/active language use with Francophone immigrant families in the community.

Prerequisites: 15 s.h. of course work in French at the 300 level or above. minimum 3.0 GPA (overall and in major); and permission of the instructor.

FRE 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

FRE 653 Seminar in French Literature 3

Advanced study and investigation of current scholarship on a topic of French literature.

Notes: May be repeated for credit when topic varies.

FRE 693 Special Problems in French Language and Literature 3

Problems and area of French and Francophone civilization, language, and literature.

Notes: May be repeated for credit when topic varies, but no more than two (2) FRE 693 courses may be applied toward graduate credit without permission of the Director of French Graduate Study.

FRE 699 Thesis 1-6**FRE 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

FRE 803 Research Extension 1-3

Research Extension.

Freshman Seminars Program (FMS)

FMS 100 College Connections 1

Introduction to learning in the College of Arts and Sciences.

FMS 100X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

FMS 115 Freshman Seminar in Reasoning and Discourse I 3

Instruction and practice in deliberative, informative, and reflective writing based on the study of primary texts. Emphasis on the writing/revising process and on critical reading.

GE Core: GRD

Notes: Equivalent credit to ENG 101/RCO 101. students may not receive credit for both FMS 115 and either ENG 101/RCO 101.

FMS 116 Freshman Seminar in Reasoning and Discourse II 3

Writing, reasoning, and rhetoric about the works of Western culture.

GE Core: GRD

Prerequisites: ENG 101, FMS 115 (or FMS 103) or RCO 101

Notes: Equivalent credit to ENG 102/RCO 102. students may not receive credit for FMS 116 and either ENG 102/RCO 102.

FMS 120 Freshman Seminar in Literature 3

A study of major selected works in literature.

GE Core: GLT

FMS 121 Freshman Seminar in Literature-Global Perspectives 3

Global perspectives on major works in literature.

GE Core: GLT

GE Marker: GL

FMS 122 Freshman Seminar in Literature-Global Non-Western Perspectives 3

Global Non-Western perspectives on major works in literature.

GE Core: GLT

GE Marker: GN

FMS 130 Freshman Seminar in Fine Arts 3

An introductory study of selected topics in the fine arts (which include painting, sculpture, cinema, dance, music, and theatre).

GE Core: GFA

FMS 131 Freshman Seminar in Fine Arts-Global Perspectives 3

Global perspectives on the study of selected topics in the fine arts (which include painting, sculpture, cinema, dance, music, and theatre).

GE Core: GFA

GE Marker: GL

FMS 140 Freshman Seminar in Philosophical, Religious, and Ethical Principles 3

Studies of the philosophical, religious, and/or ethical traditions that have shaped societies in the past and present.

GE Core: GPR

FMS 141 Freshman Seminar in Philosophical, Religious, and Ethical Principles-Global Perspectives 3

Global perspectives on the studies of the philosophical, religious, and/or ethical traditions that have shaped societies in the past and present.

GE Core: GPR

GE Marker: GL

FMS 142 Freshman Seminar in Philosophical, Religious, and Ethical Principles-Global Non-Western Perspectives 3

Global Non-Western perspectives on the studies of the philosophical, religious, and/or ethical traditions that have shaped societies in the past and present.

GE Core: GPR

GE Marker: GN

FMS 150 Freshman Seminar in Historical Perspectives: Premodern 3

Introduction to the historical study of culture from ancient times through the Reformation.

GE Core: GHP

LEC: GPM

FMS 151 Freshman Seminar in Historical Perspectives: Premodern-Global Perspectives 3

Global perspectives on the historical study of culture from ancient times through the Reformation.

GE Core: GHP

GE Marker: GL

LEC: GPM

FMS 152 Freshman Seminar in Historical Perspectives: Premodern-Global Non-Western Perspectives 3

Global Non-Western perspectives on the historical study of culture from ancient times through the Reformation.

GE Core: GHP

GE Marker: GN

LEC: GPM

FMS 160 Freshman Seminar in Historical Perspectives: Modern 3

Introduction to the historical study of culture from the 17th century through modern times.

GE Core: GHP

LEC: GMO

FMS 170 Freshman Seminar in Social and Behavioral Studies 3

Introduction to the scientific study of individuals, societies, and human institutions with an emphasis on the methods and results of investigations in these areas.

GE Core: GSB

FMS 171 Freshman Seminar in Social and Behavioral Studies-Global Perspectives 3

Global perspectives on the scientific study of individuals, societies, and human institutions with an emphasis on the methods and results of investigations in these areas.

GE Core: GSB

GE Marker: GL

FMS 184 Freshman Seminar in Life Science 3

Introduction to the study of life science in the natural world. Illustrates the nature of scientific inquiry and the formulation of hypotheses.

GE Core: GNS

LEC: GLS

FMS 184L Freshman Seminar in Life Science Laboratory 1

Laboratory work to accompany FMS 184.

GE Core: GNS

LEC: GLS

FMS 195 Freshman Seminar in Mathematics 3

Introduction to selected areas of study in the mathematical sciences.

GE Core: GMT

Genetic Counseling (GEN)

GEN 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GEN 601 Principles of Genetic Counseling 3

Introduction to techniques used in genetic evaluation and counseling. Issues in preconception and prenatal genetic counseling. Skill development including basic interviewing techniques, psychosocial assessment, pedigree construction, searching on-line resources.

Prerequisites: Enrollment in MS genetic counseling program.

GEN 602 Principles of Genetic Counseling II 3

Issues in genetic counseling for pediatric and adult-onset genetic disorders including cancer genetics. Skill development, including working with special populations, decision-making, elements of informed consent.

Prerequisites: Matriculation to second semester of MS genetic counseling program.

GEN 610 Genetic Counseling and the Community 2

Impact of genetic disorders on patients and families, structure and function of support groups, and role of allied health professionals in evaluation, treatment and referral of patients with genetic disorders.

Prerequisites: Enrollment in MS genetic counseling program.

GEN 614 Prenatal Development: Embryology and Teratology 3

Human embryological development with emphasis on normal and abnormal development. Issues in teratology and birth defects, clinical problems associated with birth defects and their means of prevention.

Prerequisites: Enrollment in MS genetic counseling program or permission of instructor.

Notes: Same as BIO 614.

GEN 618 Psychosocial Seminar 1

Application of psychosocial aspects of genetic and genomic medicine with an emphasis on genetic counseling and the general public.

Implementation of peer-supervision for discussion of components of particularly challenging cases.

GEN 630 Medical/Clinical Genetics I 3

Introduction to clinical/medical genetics for genetic counseling students. Topics include clinical cytogenetics and molecular genetics, Mendelian and non-traditional inheritance, dysmorphology, genetics of common cancers.

Prerequisites: Enrollment in MS genetic counseling program, BIO 614, BIO 616.

GEN 648 Capstone Preparation Seminar 1

Introduction to research methods for genetic counselors. Knowledge and skills basic to critical analysis, interpretation of research findings, and proposal preparation.

Prerequisites: Enrollment in MS genetic counseling program or permission of instructor.

GEN 658 Molecular Diagnostics 2

Survey of human molecular genetics and current clinical methods used for the diagnosis of human genetic disorders. Special emphasis given to the molecular principles, interpretations, and limitations of these tests.

GEN 669 Clinical Skills Seminar 1

Skill development, eliciting histories, pedigree construction, case preparation and presentation, written documentation of clinical contacts. Introduction to components of clinical and dysmorphology examination and physical measurements.

Prerequisites: Matriculation to Summer Session I of MS genetic counseling program.

GEN 671 Risk Assessment in Genetic Counseling 1

Risk assessment in genetic counseling through qualitative and quantitative methods across subspecialties and disciplines.

GEN 688 Genetics Journal Club 1

Students will select or be assigned articles from the genetics literature for presentation/class discussion. Topics will reflect current trends in research, clinical practice, public policy and social issues.

Prerequisites: Enrollment in MS genetic counseling program or permission of instructor.

Notes: May be repeated for a maximum of two semester hours credit.

GEN 698 Summer Clinical Rotations 2

Introduction to clinical genetic counseling. Supervised observational and participatory activities, skill development.

Prerequisites: Matriculation to Summer Session II of MS genetic counseling program.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

GEN 701 Principles of Genetic Counseling III 3

Issues in professional development, public policy and health care systems. Introduction to legal issues in genetic counseling. Skill development including advanced genetic counseling skills, case management and preparing educational programs.

Prerequisites: Matriculation to third semester of MS genetic counseling program.

GEN 718 Clinical Rotations I 4

Supervised clinical experiences in genetic counseling: case preparation, risk assessment and intervention, psychosocial assessment and support, identification of testing and support resources for patients, skill development.

Prerequisites: Matriculation to second year of MS genetic counseling program.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

GEN 719 Clinical Rotations II 4

Supervised clinical experiences in genetic counseling: case preparation, risk assessment and intervention, psychosocial assessment and support, identification of testing and support resources for patients, skill development.

Prerequisites: Matriculation to second year of MS genetic counseling program.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

GEN 730 Medical/Clinical Genetics I 3**GEN 748 Research Project 2**

Research project in genetic counseling.

Prerequisites: Matriculation to third semester (GEN 748) and fourth semester (GEN 749) of the M.S. Genetic Counseling program and successful completion of PSY 624.

Notes: Grading method is Satisfactory/Unsatisfactory (S/U).

GEN 749 Research Project 3

Research project in genetic counseling.

Prerequisites: Matriculation to third semester (GEN 748) and fourth semester (GEN 749) of MS genetic counseling program and successful completion of PSY 624.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

GEN 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GEN 803 Research Extension 1-3

Research Extension.

Geography, Environment, and Sustainability (GES)

GES 102 The Historical Geography of the Western World 3

A study of the geographical factors which combine to form the major cultural regions of North America, Europe, and Australia-New Zealand.

GES 103 Introduction to Earth Science 3

Survey of basic concepts and processes integrating the nature of the earth's three primary physical systems: the solid earth and continents; the ocean basins and the oceans; and the atmosphere's weather.

GE Core: GNS

LEC: GPS

Notes: Students cannot receive credit for both GES 103 and GES 106.

GES 103L Earth Science Laboratory 1

Laboratory exercises to accompany GES 103, which must be taken concurrently. Topics include atmospheric data analysis, topographic map interpretation, and hydrological measurements.

GE Core: GNS

LEC: GPS

Corequisites: GES 103.

GES 104 World Regional Geography 3

Geographical criteria that define the major cultural and functional world regions. Emphasis on regional methods of geographical study, with applications to current world events and situations.

GE Core: GSB

GE Marker: GL

GES 105 Introduction to Human Geography 3

Introduction to geographical characteristics of population, political systems, settlement patterns, and cultural mosaics.

GE Core: GSB

GE Marker: GN

GES 106 Geosystems Science 3

The earth's atmosphere, hydrological, and tectonic systems. Includes applications to natural resources management and environmental planning. Corequisite:

GE Core: GNS

LEC: GPS

Notes: Students cannot receive credit for both GES 103 and GES 106.

GES 110 Introduction to Geography 3

Changing interaction of man and his environment and the resultant human and economic patterns in various parts of the world.

GES 111 Physical Geology 3

Survey of tectonic and erosional processes, mountain building, rivers, glaciers, deserts, and coastal landform development.

GE Core: GNS

LEC: GPS

Corequisites: GES 111L.

GES 111L Physical Geology Laboratory 1

Laboratory demonstrations and map interpretation exercises to accompany GES 111, which must be taken concurrently.

GE Core: GNS

LEC: GPS

Corequisites: GES 111.

GES 121 Introduction to Geographic Information Science 3

Introduction to the fundamental concepts of geographical information science (geographic data acquisition, representation, analysis, and interpretation). Technologies reviewed include topographic mapping, global positioning systems, aerial photography, and satellite remote sensing.

GE Core: GNS

LEC: GPS

GES 121L Intro to Geographic Information Science Laboratory 1

Introduction to the fundamental concepts of geographic information science (geographic data acquisition, representation, analysis, and interpretation). Technologies reviewed include topographic mapping, global positioning systems, aerial photography, and satellite remote sensing.

Corequisites: GES 121.

GES 162 Introduction to Sustainability 3

Survey of sustainability from four perspectives; environment, economy, social equity, and aesthetics. Local, global, ethical, and experiential dimensions help prepare students to apply sustainability in a variety of contexts.

GES 164 Introduction to Environment 3

Interdisciplinary survey of environmental issues. Emphasis on sciences (biology, chemistry, ecology, geography). Also includes perspectives from social sciences (anthropology, economics, politics, sociology) and humanities (arts, history, literature, philosophy, religion).

GES 205 Environmental Change: Its Nature and Impact 3

Environmental changes related to human use of land, water, soils, minerals, and natural amenities. Planning for sustained use or preservation of land-based natural resources.

GES 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GES 301 Urban Geography: Global Patterns 3

Urbanization processes and the development of mega-cities and urban hierarchies emphasizing the differences between cities from across the world.

GE Core: GSB

GE Marker: GL

GES 302 Urban Geography: Land Use 3

Internal structure of cities, including the role of transportation systems, socio-economic development, and the physical environment. Emphasis on differences within cities.

GES 303 World Population Problems 3

Major world population problems, trends, and significant policy and action alternatives for the future. Impact of various geographical factors on problems and trends.

GES 304 Introduction to Transportation Analysis 3

Transportation systems as they affect human behavior and urban patterns, primarily within a North American context.

GES 305 Environmental Hazards Assessment 3

Nature and geographical distribution of short-lived environmental hazards including earthquakes, hurricanes, floods, volcanic eruptions, and landslides. Factors contributing to increased hazard potential. Alternative human responses to short-lived hazards.

Prerequisites: GES 103 or equivalent.

GES 306 World Economic Geography 3

Characteristics and location of the world's resources, theory of industrial location, world patterns of industry.

GE Core: GSB

GE Marker: GL

GES 312 Geomorphology of North America 3

A survey of the various landscape regions of the North America. Emphasis on the relationships between the geologic, erosional, and climatic processes occurring in each region.

GES 313 Natural Resource Regions of North America 3

Regional natural resource use and associated human interaction with the natural environment. Instruction takes place during an extended field trip across portions of North America.

Prerequisites: GES 103 or GES 314 and permission of instructor.

GES 314 Physical Geography: Landscape Processes 3

Examination of the processes responsible for the development of the earth's varied terrain characteristics. Analysis of environmental problems involving human impact on landscape and river systems.

GE Core: GNS

LEC: GPS

Prerequisites: GES 103 or equivalent.

Corequisites: GES 314L.

GES 314L Physical Geography Laboratory 1

Laboratory demonstrations and map interpretation exercises to accompany GES 314, which must be taken concurrently.

GE Core: GNS

LEC: GPS

Corequisites: GES 314.

GES 315 The Geography of World Affairs 3

Contemporary problems and issues of and between nations of the world as they have evolved in their geographical settings.

GE Marker: GN

GES 319 Weather and Climate 3

Introduction to the nature, origin, processes, and dynamics of the atmosphere. Consideration also of human modification of the atmosphere and of climatic change.

GE Core: GNS

LEC: GPS

Prerequisites: GES 103 or equivalent.

Corequisites: GES 319L.

GES 319L Climatology Laboratory 1

Laboratory work to accompany GES 319.

GE Core: GNS

LEC: GPS

Corequisites: GES 319.

GES 320 Tourism Planning and Development 3

Geographic distribution of tourist development. Emphasis on the spatial dimension of origin-destination flows, economic geography of the travel industry, socio-economic and environmental impacts. Emphasis on tourism planning issues.

Notes: Same as STH 320.

GES 322 Research Methods in Geography 3

Use of the scientific method, data collection, spatial analysis, and technical writing. Development of fundamental research and quantitative skills in geography.

GES 325 Introduction to Spatial Analysis 3

Introduction to the basic concepts of spatial analysis (space, scale, location, and spatial data and their representation) as well as elementary statistical methods and their application in geographical analysis.

Prerequisites: GES 121.

GES 328 The Water Planet 3

The course focuses on interactions between water and society, including the use of water as a natural resource and the impacts of humans on water quantity and quality.

Prerequisites: GEO 103 or GEO 106.

GES 330 Elements of Hydrology 3

Introduction to the origin, properties, occurrence, circulation of the waters of the earth, including the application of hydrologic techniques for the evaluation of regional water budgets and problems relating to the conservation of water resources.

Prerequisites: GES 103 or GES 319 or GES 314, or permission of instructor.

GES 331 Sustainable Tourism and Transportation 3

Explores transportation networks utilized by the global tourism sector; their social, economic, and environmental dimensions, associated trends, associated negative impacts and resource usage and opportunities for planning sustainable transportation networks.

Notes: Same as STH 331.

GES 333 Geography of Europe 3

Examination of human and physical characteristics of the European region. Topics include settlement patterns, landscape evolution, patterns and spatial variation of economic activity, urbanization, and political divisions.

GE Marker: GL

GES 338 Regions of Latin America 3

Geographic distinctiveness of Latin American regions, with an emphasis upon the physical foundation, bases of past development, and recent transformation. Major consideration given to Mexico/Central America, Peru/Bolivia, and Brazil.

GES 340 Geography of East Asia 3

Examines dynamic economic, sociocultural, and political changes in East Asia by using geographical criteria to study physical and human resources influencing rapid modernization within an ancient framework.

GE Marker: GN

GES 344 Geography of the United States and Canada 3

Study of the human and physical characteristics of the United States and Canada, with emphasis on the former.

GE Core: GSB

GES 357 Principles of Cartography 3

The science of cartography with an emphasis on the use of maps as descriptive and analytical tools. Laboratory work introduces computer mapping, compilation, design, and symbolization.

Prerequisites: GES 121.

GES 358 Geographic Information Systems 3

Provides basic concepts and methods for capturing, storing, querying, analyzing, and displaying geospatial data using Geographic Information Systems (GIS).

Prerequisites: GES 121 or permission of instructor.

GES 359 Remote Sensing of Environment 3

Acquisition, analysis, and interpretation of digital and photographic imagery. Emphasis on use of satellite and aircraft imagery for classification and monitoring of the earth's physical and cultural landscape.

Prerequisites: GES 121.

GES 360 Sustainable Campus Operations 3

Study of facilities operations for universities and similar organizations, emphasizing sustainable infrastructure and institutional change. Focus on professional development, applied knowledge, and experiential learning.

Prerequisites: GES 162 and GES 164, or permission of instructor.

GES 362 Seminar in Sustainability 3

Seminar addressing sustainability in an interdisciplinary framework connecting natural sciences, equity and society, economics and development, and aesthetics and ethics.

Prerequisites: GES 162 and GES 164.

GES 364 Seminar in Environment 3

Seminar addressing coupled human-environmental problems and solutions. Focus on classic cases in environmental studies.

Prerequisites: GES 162 and GES 164.

GES 366 Environmental Studies Internship 3

150 hours of supervised work in a private, nonprofit, or public environmental agency; five two-hour seminars to discuss assigned readings and internship experiences; research paper or written field project required.

Prerequisites: Written permission of instructor.

Notes: May be repeated once for credit when the internship site varies.

GES 368 Individual Study 1-3

Reading or research. Available to qualified students upon recommendation of supervising instructor.

Prerequisites: Departmental permission.

Notes: May be repeated for credit if the topic of study changes.

GES 370 Environment and Experience 1-6

Consideration of an environment or place emphasizing sustainability and experiential learning. Involves readings/lectures on ecological, economic, social, and aesthetic aspects; field work and/or travel; and reflective, synthetic, and/or research writing.

Prerequisites: GES 162 and GES 164, or permission of instructor;

Notes: May be repeated when the topic varies for up to 9 s.h. of credit in the major.

GES 382 Topics in Aesthetics and Ethics 3

Seminar dealing with topics in aesthetics and/or ethics as related to environmental and/or sustainability issues in an interdisciplinary framework.

Prerequisites: GES 162 and GES 164 or permission of instructor.

GES 384 Topics in Economics and Development 3

Seminar dealing with topics in economics and/or development as related to environmental and/or sustainability issues in an interdisciplinary framework.

Prerequisites: GES 162 and GES 164 or permission of instructor.

GES 386 Topics in Equity and Society 3

Seminar dealing with topics in equity and/or society as related to environmental and/or sustainability issues in an interdisciplinary framework.

Prerequisites: GES 162 and GES 164 or permission of instructor.

GES 388 Topics in Natural Sciences 3

Seminar dealing with topics in natural sciences as related to environmental and/or sustainability issues in an interdisciplinary framework.

Prerequisites: GES 162 and GES 164 or permission of instructor.

GES 400 Capstone Seminar 3

Considers various current environmental and sustainability issues in depth from interdisciplinary perspectives. Students conduct senior level research and prepare and present a research report.

Prerequisites: GES 162, GES 164, and a minimum of 18 hours of course work that meets the "Related Area Electives" requirement; Senior Environmental Studies, Sustainability Studies, or Environmental & Sustainability Studies major or minor; or permission of instructor.

GES 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GES 402 Entrepreneurial Urban Planning 3

Fundamental concepts and techniques of urban planning as it relates to enhancing overall quality of life with a primary focus on land use patterns, the environment, business and entrepreneurship.

Notes: Same as ENT 410.

GES 404 Political Geography 3

A systematic overview of relationships among space, place, and politics at multiple geographic scales. Topics include boundaries, geopolitics, nationalism, resource distribution, means of controlling space, and the spatiality of globalization.

Prerequisites: Junior standing or permission of instructor.

GES 415 National Parks and Protected Areas 3

This course is devoted to the changing geography of the National Park System and related protected areas in the USA, with an emphasis on their environmental, historical and political significance.

Prerequisites: GES 103 or GES 105 or permission of instructor. Junior or senior.

GES 418 Biogeography 3

Study of the geographic distribution of organisms and the factors/processes accountable. Emphasis on the increasingly important role humans play in influencing biogeographic processes.

Prerequisites: GES 314 or GES 319 or BIO 301, or permission of instructor.

GES 419 Advanced Weather and Climate-Synoptic Climatology 3

Exploration of atmospheric dynamics and general circulation patterns throughout the world. Emphasis on cyclogenesis, surface-upper atmosphere links, tropospheric waves, vorticity, and forecasting.

Prerequisites: GES 319 or permission of instructor.

GES 421 Geographic Information Science 3

Principles and use of geographic information; emphases are on data acquisition and techniques of spatial analysis and display. Requirements include a substantial applied research project.

Prerequisites: GES 121, GES 357, GES 359.

GES 430 Researching Opportunities in Entrepreneurship and Economic Development 3

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

Prerequisites: Junior or senior standing.

Notes: Same as ENT 430, LIS 430, MKT 430.

GES 432 Geography of Livable Cities 3

Advanced study on the processes of urban population and economic growth from the perspective of urban livability. Emphasis on accessing and interpreting data from public or private sources.

GES 433 Regional Economic Development 3

Theories of location of economic activity; techniques to assess impact of types of economic activity; policy and institutional issues related to local, state, and global economic development.

GES 450 Applied Physical Geography 3

Applications in physical geography. Topics include field experience in hydrology, dendrochronology, geomorphology, climatology, and mapping.

Notes: May be repeated once when topic changes.

GES 451 Seminar in Regional Geography 3

Case studies of regionalism and the regional method in geography.

Notes: May be repeated once for credit when topic changes.

GES 457 Advanced Cartography 3

Advanced instruction in cartographic production techniques and introduction to cartographic research. Students will learn to evaluate academic literature and to implement research ideas using state-of-the-art technology.

Prerequisites: GES 357 or permission of instructor.

GES 458 Advanced Geographic Information Systems 3

Advanced concepts and methods in Geographic Information Systems (GIS). Emphasis is placed on the analysis and modeling of geospatial data using raster and vector data models.

Prerequisites: GES 358 or permission of instructor.

GES 459 Advanced Remote Sensing-Imaging 3

Remote sensing of the environment using scientific visualization and digital image processing techniques.

Prerequisites: GES 359 or permission of instructor.

GES 490 Special Problems in Geography 3

Opportunity for advanced students to undertake independent study of field research of special interest.

Prerequisites: Permission of faculty member with whom student wishes to work and at least 3 s.h. of previous work in geography.

GES 491 Current Topics in Regional Geography 3

Seminar dealing with major national and international topics in their current geographical context.

Notes: May be repeated for credit when topic varies.

GES 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

GES 495 Internship in Geography 3

Practical experience in a professional setting related to the student's main topic of interest. Includes a research paper linking the topic to the experience.

Prerequisites: Written permission required before registering for the internship.

GES 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GES 601 Research Trends in Geography 1

Overview of major research themes in geography. Student will meet faculty and other professional geographers, facilitating the development of research through field experience, colloquia, and conferences.

Prerequisites: Admission to graduate program in geography.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

GES 602 Entrepreneurial Urban Planning 3

Fundamental concepts and techniques of urban planning as it relates to enhancing overall quality of life with a primary focus on land use patterns, the environment, business and entrepreneurship.

Notes: Same as ENT 610.

GES 603 Understanding Geographic Information Systems 3

Study and application of geographic information systems for professional problem-solving, spatial analysis, and mapping.

GES 604 Political Geography 3

A systematic overview of relationships among space, place, and politics at multiple geographic scales. Topics include boundaries, geopolitics, nationalism, resource distribution, means of controlling space, and the spatiality of globalization.

GES 605 Regional Planning 3

Regional development and planning processes focused on regional planning techniques and law.

GES 606 Environmental Planning 3

Examination and analysis of environmental concepts and their relationship to various planning and management scenarios, including environmental issues, strategies, and plans.

GES 607 Earth Science for Educators 5

Study of the processes that shape Earth's lithospheric, hydrospheric, and atmospheric realms. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

GES 608 Weather and Climate for Educators 5

Examination of Earth's physical atmospheric processes as they apply to weather and climate systems. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

GES 609 Hydrology for Educators 5

Examination of Earth's water sphere, including Earth-Atmosphere interactions, and its importance as a resource. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

GES 610 Physical Geology for Educators 5

Study of the materials that comprise Earth, and the processes shaping its near-surface environment. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

GES 611 Natural Hazards and Society for Educators 5

Study of the Earth's near-surface natural hazards, with discussion of anthropogenic influences and societal consequences. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

GES 612 Natural Resource Geography 3

Application of geographical theory to natural resource use and distribution. Emphasis on resource use and constraints to development.

GES 614 GIS Programming and Design Application 3

Theory and practice in the creation of Geographic Information Systems using logic based programming and database construction tools. Emphasis on modeling of spatial information and logic-based approaches to GIS.

Prerequisites: GES 658.

GES 615 National Parks and Protected Areas 3

This course is devoted to the changing geography of the National Park System and related protected areas in the USA, with an emphasis on their environmental, historical and political significance.

GES 618 Biogeography 3

Study of the geographic distribution of organisms and the factors/processes accountable. Emphasis on the increasingly important role humans play in influencing biogeographic processes.

Prerequisites: GES 314 or GES 319 or BIO 301. or admission to graduate program in geography; or permission of instructor.

GES 619 Advanced Weather and Climate-Synoptic Climatology 3

Exploration of atmospheric dynamics and general circulation patterns throughout the world. Emphasis on cyclogenesis, surface-upper atmosphere links, tropospheric waves, vorticity, and forecasting.

Prerequisites: Admission to graduate program in Geography or permission of instructor.

GES 620 Spatial Analysis 3

Theory and practice in combining Geographic Information Systems software with statistical analysis software. Emphasis will be on the quantitative analysis and visual display of spatial information.

Prerequisites: GES 658 and STA 571 or equivalent.

GES 621 Seminar in Geographic Information Science 3

Research in geographic information science. Focus on current research in application of remotely sensed imagery, geographic information systems, and maps in the visualization and analysis of spatial data.

Prerequisites: GES 359 and GES 458 or GES 658 or permission of instructor.

Notes: May be repeated once for credit when topic changes.

GES 622 GIS Applications in Urban Planning 3

Theory and practice integrating Geographic Information Systems with land use planning practice. Emphasis on advanced analysis and display of spatial data and information in support of land use planning decision-making.

Prerequisites: GES 322 (or equivalent) and GES 603 or permission of instructor.

GES 630 Researching Opportunities in Entrepreneurship and Economic Development 3

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

Notes: Same as ENT 530, LIS 530, MKT 530.

GES 631 Transportation Planning 3

Theory and practice of transportation planning with an emphasis on urban transportation systems.

Prerequisites: GES 602 or permission of instructor.

GES 632 Geography of Livable Cities 3

Advanced study on the processes of urban population and economic growth from the perspective of urban livability. Emphasis on accessing and interpreting data from public or private sources.

GES 633 Regional Economic Development 3

Theories of location of economic activity; techniques to assess impact of types of economic activity; policy and institutional issues related to local, state, and global economic development.

GES 634 Advanced Topics in European Geography 3

In-depth analysis of select advanced topics related to Europe. Combines systematic and regional traditions within geography. Possible themes include European integration, immigration, urbanization and cities, cultural preservation, tourism, the environment.

Notes: May be repeated for credit when topic varies.

GES 635 Geography of Asia 3

Examines dynamic economic, sociocultural, and political changes in Asia by looking at their roots in physical and human resources influencing rapid modernization within an ancient cultural framework.

GES 641 Earth Surface Processes and Landforms 3

Advanced systematic study of geomorphology with applications to human responses to natural hazards and environmental management.

Prerequisites: GES 314/GES 314L or equivalent advanced undergraduate course in geomorphology.

GES 650 Applied Physical Geography 3

Applications in physical geography. Topics include field experience in hydrology, dendrochronology, geomorphology, climatology, and mapping.

Notes: May be repeated once when topic changes.

GES 651 Seminar in Regional Geography 3

Case studies of regionalism and the regional method in geography.

Notes: May be repeated once for credit when topic changes.

GES 657 Advanced Cartography 3

Advanced instruction in cartographic production techniques and introduction to cartographic research. Students will learn to evaluate academic literature and to implement research ideas using state-of-the-art technology.

Prerequisites: GES 357 or permission of instructor.

GES 658 Advanced Geographic Information Systems 3

Advanced concepts and methods in Geographic Information Systems (GIS). Emphasis is placed on the analysis and modeling of geospatial data using raster and vector data models.

Prerequisites: GES 358 or permission of instructor.

GES 659 Advanced Remote Sensing-Imaging 3

Remote sensing of the environment using scientific visualization and digital image processing techniques.

Prerequisites: GES 359 or permission of instructor.

GES 660 Sustainable Campus Operations 3

Study of facilities operations for universities and similar organizations, emphasizing sustainable infrastructure and institutional change. Focus on professional development, applied knowledge, and experiential learning.

Prerequisites: GES 662 or permission of instructor.

GES 662 Sustainability 3

Seminar addressing sustainability in an interdisciplinary framework connecting natural sciences, equity and society, economics and development, and aesthetics and ethics. Open to graduate students in any field of study.

Prerequisites: Permission of instructor.

GES 664 Seminar in Environmental Studies 3

Selected topics of current interest in environmental studies.

Notes: May be repeated once for credit when topic changes.

GES 682 Topics in Aesthetics and Ethics 3

Seminar dealing with topics in aesthetics and/or ethics as related to environmental and/or sustainability issues in an interdisciplinary framework.

Prerequisites: GES 662 or permission of instructor.

Notes: May be repeated when the topic varies for up to 9 s.h. of credit in the major.

GES 684 Topics in Economics and Development 3

Seminar dealing with topics in economics and/or development as related to environmental and/or sustainability issues in an interdisciplinary framework.

Prerequisites: GES 662 or permission of instructor.

Notes: May be repeated when the topic varies for up to 9 s.h. of credit in the major.

GES 686 Topics in Equity and Society 3

Seminar dealing with topics in equity and/or society as related to environmental and/or sustainability issues in an interdisciplinary framework.

Prerequisites: GES 662 or permission of instructor.

Notes: May be repeated when the topic varies for up to 9 s.h. of credit in the major.

GES 688 Topics in Natural Sciences 3

Seminar dealing with topics in natural sciences as related to environmental and/or sustainability issues in an interdisciplinary framework.

Prerequisites: GES 662 or permission of instructor.

Notes: May be repeated when the topic varies for up to 9 s.h. of credit in the major.

GES 690 Research Problems in Applied Geography 3

Independent study on a special topic of interest.

Prerequisites: Graduate course on the topic.

Notes: May be repeated for credit when topic varies.

GES 695 Internship 1-6

Practical experience in a professional setting related to the student's main topic of interest. Includes written paper linking the topic to the experience.

Prerequisites: 18 hours in the M.A. in applied geography program.

Notes: May be repeated for a maximum of 6 hours credit.

GES 699 Thesis 1-6

Prerequisite: Permission of Geography Thesis Committee.

GES 701 History of Geographic Thought 3

Seminar on the nature of geography and what geographers do. Focus on the history of the discipline approaches to its study, major paradigms, and application of geographic theory.

Prerequisites: Admission to doctoral program in geography or permission of instructor.

GES 702 Research Design 3

Design and execution of applied research projects as practiced by professional geographers.

Prerequisites: STA 571 or equivalent.

GES 720 Advanced Spatial Analysis 3

Theory and practice in spatial analysis with an emphasis on spatial statistics. Spatial pattern analysis, spatial association and interpolation, spatial data mining.

Prerequisites: GES 620.

GES 730 Seminar in Earth Science/Natural Resources 3

Directed readings and research proposal development on selected aspects of natural resource policy and management from the perspective of earth science.

Prerequisites: GES 612 or GES 641 or permission of instructor.

Notes: May be repeated once for credit when topic changes.

GES 740 Seminar in Urban Planning/Economic Development 3

Directed readings on selected aspects of urban planning/economic development focused on theory and policy issues from a geographic perspective.

Prerequisites: GES 602 or GES 633 or permission of instructor.

Notes: May be repeated once for credit when topic changes.

GES 741 Seminar in Regional Economic Development 3

A geographic perspective is applied to analysis of regional economic performance and change in the developed and developing world. Theory is integrated with strategies for development policy and planning.

Prerequisites: GES 633 or permission of instructor.

GES 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GES 771 Doctoral Seminar in Geographic Information Science 3

Advanced seminar in the theory, practice, and technical aspects of Geographic Information Science.

Notes: May be repeated once for credit when topic changes.

GES 790 Independent Geographic Research 3

Independent study on topic of interest in theoretical geography.

Prerequisites: Graduate course in topic.

Notes: May be repeated for up to 6 credit hours.

GES 799 Doctoral Dissertation Research 1-21

Individual direction in the development and execution of a doctoral dissertation.

Prerequisites: Completion of all PhD course requirements and examinations.

Notes: Required of all PhD in geography candidates. May be taken in two or more semesters.

GES 801 Thesis Extension 1-3

Thesis Extension.

GES 802 Dissertation Extension 1-3

Dissertation Extension.

GES 803 Research Extension 1-3

Research Extension.

German (GER)

GER 101 Beginning German I 3

First course in the introductory-level study of the German language and the cultures of the German-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

Notes: Students with previous knowledge of German are required to take the placement test. Students who are native or heritage speakers of German MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

GER 102 Beginning German II 3

Second course in the introductory-level study of the German language and the cultures of the German-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

Prerequisites: GER 101 or met this level by the placement test.

Notes: Students with previous knowledge of German are required to take the placement test. Students who are native or heritage speakers of German MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

GER 203 Intermediate German 3

First course in the intermediate-level study of the German language and the cultures of the German-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

LEC: GFL

Prerequisites: GER 102 or equivalent or met this level by the placement test.

Notes: Students with previous knowledge of German are required to take the placement test. Students who are native or heritage speakers of German MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

GER 204 Intermediate German Topics 3

Second course in the intermediate-level study of the German language and the cultures of the German-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

LEC: GFL

Prerequisites: GER 203 or equivalent.

Notes: Students with previous knowledge of German are required to take the placement test. Students who are native or heritage speakers of German **MUST** obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

GER 217 Masterworks of German Literature Read in English 3

Discussions and readings in English translation of some of the best works of German literature. 217—the Middle Ages, Baroque and Classical Periods, Romanticism, Realism. 218—Selected literary prose and poetry from the Bismarck era to the present.

GE Core: GLT

GE Marker: GL

GER 218 Masterworks of German Literature Read in English 3

Discussions and readings in English translation of some of the best works of German literature. 217—the Middle Ages, Baroque and Classical Periods, Romanticism, Realism. 218—Selected literary prose and poetry from the Bismarck era to the present.

GE Core: GLT

GE Marker: GL

GER 221 Sagas, Legends, Fairy Tales: Readings in English 3

Course taught in translation. Myths of Northern Europe, their main personages and events as preserved in the heroic sagas and epics, the traces of these myths in later literature, in folklore and art, the history of their revival in the nineteenth century (Brothers Grimm, Richard Wagner), the variety of interpretations given to them.

GE Core: GLT

GE Marker: GL

GER 222 The Holocaust in Literature and Art 3

Interdisciplinary course exploring the history and legacy of the Holocaust in memoir literature, prose, poetry, art, and film. Taught in English or 300-level German.

GE Core: GLT

GE Marker: GL

GER 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GER 301 German Conversation and Composition: Topics 3

For students desiring some proficiency in spoken and written German. Conversation and composition based on various announced topics. Attendance at Kaffeestunde required unless excused by instructor.

GE Marker: GL

GER 302 German Language and Society: Topics 3

For students desiring proficiency in written German, especially geared toward students who plan to study abroad or who plan to enter graduate school. Compositions based on various announced topics.

GER 305 German Literature: Advanced Intermediate Topics 3

Course aims at improving students' language proficiency and familiarity with German literature. Taught in English or advanced intermediate-level German.

GE Marker: GL

Notes: May be repeated for credit when topic varies.

GER 306 German Culture: Advanced Intermediate Topics 3

Course aims at improving students' language proficiency and familiarity with German civilization. Taught in advanced intermediate-level German or English.

GE Marker: GL

Notes: May be repeated for credit when topic varies.

GER 307 Advanced German Grammar 3

Intensive study of grammar (including features not covered in lower levels of instruction) and of contrasting structures of German and English. Introduction to reference tools.

GER 309 Topics in Central European Studies since 1918 3

Interdisciplinary foci on modernist culture, literature, and media. Taught in English or advanced intermediate-level German.

GE Marker: GL

Notes: May be repeated when topic varies.

GER 310 German Culture: Advanced Intermediate-Topics in German Film 3

Course aims at improving students' language proficiency and familiarity with German films and filmmakers. Taught in English or advanced intermediate-level German.

GE Marker: GL

Notes: May be repeated for credit when topic varies.

GER 311 German Conversation Topics 1

Intermediate-level speaking intensive training during formal and informal conversations in German. Interdisciplinary topics focus on current affairs in the German-speaking countries.

GE Marker: GL

GER 400X Experimental Course 16

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GER 403 German Literary Studies: An Introduction 3

Readings from various genres by representative authors from the Age of Goethe to Symbolism, Expressionism, and contemporary literature. Introduction to methodologies of literary analysis. Taught in English or advanced-level German.

GER 405 Advanced Topics in German Literature 3

Topics will be of a literary nature. Reading and discussion of texts with attention to interpretation and analysis. Taught in English or advanced-level German.

Notes: May be repeated for credit when topic varies.

GER 406 Advanced Topics in German Culture 3

Focus on culture and civilization. Studying texts and multimedia materials with attention to interpretation and analysis. Taught in English or advanced-level German.

Notes: May be repeated for credit when topic varies.

GER 407 Advanced Topics in German Language 3

Linguistic or pedagogical topics include: history of the language; Indo-European to modern German. Reading Old High and Middle High texts. Taught in advanced German or English.

Notes: May be repeated for credit when topic varies.

GER 422 German Memory in Fiction and Film 3

Interdisciplinary course investigating cultural memory and notions of remembering and forgetting in autobiography, prose, poetry, art, and film. Taught in English or 300-level German.

GER 491 Tutorial 1-3

Directed program of reading, research, and individual instruction in Germanic literatures and languages.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

GER 492 Tutorial 1-3

Directed program of reading, research, and individual instruction in Germanic literatures and languages.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

GER 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

Gerontology (GRO)

GRO 201 Envisioning Your Old Age 3

Students think critically about aging in the current US context and develop proposals for change to ensure their ideal old age will be possible. Required for minor in Gerontology.

GRO 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GRO 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GRO 411 Silver Industries 3

Overview of the longevity economy and its influences on entrepreneurial opportunities. Case illustrations highlighted. Using the entrepreneurial business model, students explore opportunities, risks, and rewards in the silver industries market.

Notes: Same as ENT 511.

GRO 511 Silver Industries 3

Overview of the longevity economy and its influences on entrepreneurial opportunities. Case illustrations highlighted. Using the entrepreneurial business model, students explore opportunities, risks, and rewards in the silver industries market.

Notes: Same as ENT 511.

GRO 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GRO 602 Seminar: Critical Issues of Aging 3

Analysis of critical issues affecting the aged and how these issues are being addressed using the social ecological model and life course theory.

GRO 620 Research Methods in Gerontology 3

The integration and application of qualitative and quantitative research designs and methods used in gerontology. Additional attention focuses on the formulation and writing of a research proposal.

Prerequisites: GRO 501 and permission of instructor.

GRO 621 Health and Aging 3

Explores the concept of successful aging from a holistic perspective using the seven dimensions of health and wellness and the use of interdisciplinary teams to support healthy aging.

GRO 622 Financing Longevity: Topics in Insurance 3

Overview of concepts and products of insurance related to financing longevity in the United States. Topics include Medicare, Medicaid, long term care insurance and related products.

GRO 631 Planning and Evaluation for Professionals in Aging 3

Introduction to the knowledge and skills related to planning and evaluating innovative responses to the aging of society using program theory as a foundation.

GRO 634 Diversity, Inclusion, and Aging 3

An examination of issues related to diversity among older adults. Focus will be on the interaction of class, gender, race/ethnicity, culture, sexual orientation, and historical period with the aging process.

GRO 645 Introduction to Cognitive Aging and Disorders 3

An examination of cognition and aging including normal aging, mild cognitive impairment, and dementia. Focus will be on preparing gerontologists to work with older adults with various cognitive function.

GRO 651 Theoretical Foundations of Aging 3

Examines the historical development of the profession and discipline of gerontology and various gerontology related roles in a range of settings based on theories of aging.

GRO 676 Special Topics in Gerontology 1,3

Study of a special topic in gerontology.

Notes: May be repeated for credit when topic varies.

GRO 679 Integrated Capstone in Gerontology 3

A synthesis of ideas, perspectives, and concepts gained from the study of gerontology. Students must utilize gerontology research and theory in a field experience to conclude their course of study.

Prerequisites: Admission to the M.S. in Gerontology. completion of at least two-thirds of coursework including GRO 602, GRO 620, GRO 621, GRO 651, and SWK 570; and permission of instructor.

GRO 695 Independent Study 1-3

Intensive study in an area of special interest in gerontology.

Notes: May be repeated for a maximum of 6 semester hours credit.

GRO 699 Thesis 1-6

Individual guidance in the development of a specific research problem. May be repeated for a maximum of 6 hours credit. (Graded on S-U basis)

GRO 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GRO 801 Thesis Extension 1-3

Thesis Extension.

GRO 803 Grad Resrch Proj Ext 1-3

Research Extension.

Greek (GRK)

GRK 201 Elementary Ancient Greek I 3

Introduction to ancient Greek. Emphasis on understanding principles of grammar and developing skills for reading ancient Greek.

GRK 202 Elementary Ancient Greek II 3

Continuation of GRK 201. Emphasis on advanced grammar and reading of selections from ancient Greek authors (e.g., Euripides, Xenophon, Plato, New Testament).

Prerequisites: GRK 201 .

GRK 203 Intermediate Ancient Greek I 3

Designed to develop proficiency in the reading of ancient Greek prose and to introduce students to Greek prose authors. Plato and Lysias and/or Herodotus (or another historian) taught in alternate years.

LEC: GFL

Prerequisites: A grade of C- or better in GRK 202 or permission of instructor .

GRK 204 Intermediate Ancient Greek II 3

Continuation of GRK 203. Designed to develop proficiency in reading ancient Greek poetry and to introduce students to Greek poets. Greek tragedy/Homer taught in alternate years.

LEC: GFL

Prerequisites: GRK 203 .

GRK 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GRK 303 Greek Drama 3

Selected works of Sophocles, Aeschylus, Euripides, and Aristophanes.

Prerequisites: GRK 204 or permission of instructor.

GRK 311 The Greek Orators 3

Selections from the works of Greek orators; emphasis on Antiphon, Lysias, Isocrates, and Demosthenes.

Prerequisites: GRK 204 or permission of instructor.

GRK 312 Greek Historical Writers 3

Selections from the works of the Greek historians; emphasis on Herodotus and Thucydides.

GRK 341 Homer 3

Selections from Iliad and Odyssey.

Prerequisites: GRK 204 or permission of instructor.

GRK 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

GRK 402 Independent Study 1-3

Directed program of reading, research, and individual instruction in Greek language and literature.

Grogan College (GRC)

GRC 101 The Grogan College Experience 1

Introductory examination of critical issues in educational theory and practice related to the learning community concept. The course also exposes students to essential competencies for academic and personal success.

Prerequisites: Enrollment in a Grogan College Learning Community.

GRC 102 Topics in Connected Thinking: An Introduction to Interdisciplinary and Cross-Professional Problem Solving 1

Topical exploration of interdisciplinary and cross-professional thinking through real world applications and community engagement.

Prerequisites: GRC 101 or ISL 101. enrollment in Grogan College.

Health and Human Sciences (HHS)

HHS 110 Bridging Differences through Community Relationships: Health and Human Sciences 1

Expanding experience of race, gender, ethnicity, social class, and/or other identities through developing relationships in community settings related to health and human sciences.

Notes: Open to all undergraduates. Grade: Pass/Not Pass (P/NP).

HHS 120 College, Career & Life (Part I) 3

Preparing students for the realities of college, career and life. Topics include current events, financial literacy, personal branding, life design, multiculturalism, and identity development.

Prerequisites: First-year college students and Middle College students and written permission.

HHS 125 Design Your Life I: What Could I Do With My Life? 1

Develop essential knowledge and skills to enhance personal and academic success, with emphasis on self-awareness, self-management, interdependence, and self-responsibility.

Notes: May be repeated once for a total of 2 s.h.

HHS 131 College, Career & Life (Part II) 3

Prepares students for the realities of college, career and life. Topics: personal and academic success; higher education decision-making; reliance on self and establishing routes from college to career.

Prerequisites: First-year college students and Middle College students and written permission.

HHS 135 Design Your Life II: Redesign a Life You'll Love 1

Students identify meaningful learning opportunities based on purpose, mission, dreams, and vision; create specific projects to move toward a desired state; and then engage in coaching techniques to accomplish projects.

Notes: May be repeated once for credit.

HHS 140 College, Career & Life (Part III) 3

Prepare students for the realities of college, career and life - with emphasis on career focused goal-setting. Topics: fiscal responsibilities & solutions; career goal planning; meaningful work.

Prerequisites: First-year college students and Middle College students and written permission.

HHS 250 Purpose-Driven Entrepreneurship 3

Students will engage in exercises to understand their purpose, develop a plan to create self-employed, meaningful work, and learn strategies to stay connected to the self and the world.

Notes: May be repeated once for credit. Business project must be different than project completed the first time taking the course; Same as ENT 250.

HHS 275 Entrepreneurial Personal Branding 3

Students will have a better understanding of the entrepreneurial mindset, how to use entrepreneurship strategies personally, and how to best brand and uniquely market themselves.

Notes: Same as ENT 275 and IPS 275.

HHS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HHS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HHS 554 Exploring Intersections of Latino Individual, Family, and Community Life 6

This course is an in-depth study of Latina/o culture in Costa Rica. Students will examine the psychosocial intersections of how individuals, families and communities experience economic, political and gendered lives.

HHS 600 Qualitative Research Methods for Consumers 3

Foundations of qualitative methodology, exploring the history, philosophy, and epistemologies of qualitative research.

HHS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HHS 601 Qualitative Research Methods for Producers 3

The specific focus is on the choice of methods used in the construction of qualitative research. Students will practice selecting and collecting qualitative data for research skill development.

HHS 625 Research Methods in the Health and Human Sciences 3

Research methods and designs for the study of families and individuals across the lifespan. Focus is on application of method to research in the health and human sciences.

HHS 630 Survey Design: Health and Human Sciences 3

Survey design and implementation applied to problems in health and human sciences. Topics: maximizing response rates; selecting/writing/evaluating questions for different populations; reliability; validity; layout; modes of survey administration.

HHS 650 Applied Multiple Regression 4

Applied instruction on the theoretical underpinnings and assumptions of multiple regression analysis and the valid implementation of this statistical model in testing of meaningful and nuanced research questions and hypotheses.

Prerequisites: ERM 680, STA 571, PSY 609, or permission of instructor.

HHS 654 Ethics in Practice, Teaching, and Research 3

In-depth coverage of contemporary ethical issues facing practitioners, teachers, and researchers in health and human science fields. Focus on providing the tools necessary for addressing situations requiring ethical decision-making.

Notes: Open to master's and doctoral level students and with permission of instructor.

HHS 702 Professional Grant Writing for Community Organizations 3

Theoretical and applied avenues to learning Professional Grant Writing for Health and Human Service Organizations in the Community.

Prerequisites: Enrolled graduate students in the School of HHS, or permission of instructor.

Notes: Same as HEA 702.

HHS 703 Teaching Undergraduates in Health and Human Services 3

Analysis and application of innovative approaches to undergraduate course design, teaching, and evaluation in Health and Human Sciences.

HHS 745 Cluster and Mixture Modeling 3

Theoretical underpinnings and assumptions in the application of finite mixture modeling in the study of health behavior, formulation of research questions, and strategies for reporting of results.

Prerequisites: HHS 650 or NUR 702 or ERM 681 or permission of instructor.

HHS 746 Applied Longitudinal Analysis 3

Theoretical underpinnings and assumptions of statistical techniques for the analyses of data from longitudinal designs, formulation of research questions, and strategies for reporting of results.

Prerequisites: HHS 650 or NUR 702 or ERM 681 or permission of instructor.

HHS 750 Professional Development Seminar 3

Preparation for academic careers, including expectations for promotion and tenure; effective writing techniques for publishing in academic journals; and planning for the academic job market, job applications, and campus interviews.

HHS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HHS 776 Higher Education Administration and Leadership in Health and Human Sciences 3

Addresses the major areas of responsibilities of a variety of academic administrative roles within a university, from program director and department chair/head to provost, from the base of HHS.

Prerequisites: Students must have an administrative mentor who agrees to participate in the practicum section of this course.

HHS 797 Directed Studies in HHS: Writing NRSA Fellowship Grants 1-3

In collaboration with faculty sponsor, write an individualized, mentored training plan to support pre-doctoral (F31) or post-doctoral (F32) research and career development. Regular meetings with the faculty sponsor are required.

Prerequisites: permission from graduate faculty sponsor who will supervise and evaluate the directed studies activities.

Higher Education (HED)

HED 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HED 601 Foundations of College Student Affairs Administration 3

Historical, philosophical, ethical, cultural, and research foundations of higher education that inform student affairs practice. Learners articulate the inherent values of the profession as guided by key professional documents.

HED 602 Student Development Theory in Higher Education 3

Learning as a comprehensive, holistic, and transformative experience integrating academic learning and student development. Overview of campus programs and services. Review of research on the impact of college on undergraduates.

HED 603 Effects of College on Students 3

Reviews the theory and research on the effects of the college experience on contemporary college students.

Prerequisites: HED 601, HED 602, HED 609. Restricted to students enrolled in the SAAHE master's degree program or the Higher Education doctoral program (if needed as a supporting course and with instructor permission).

HED 606 Organization and Administration of Student Affairs in Higher Education 3

Basic skills and theories of organization and administration of student affairs programs in higher education.

Prerequisites: HED 601.

HED 608 Leadership in Higher Education 3

Examines the concepts of "good" and "effective" leadership and the nature of leadership development in higher education. Explores and investigates leadership models, theories, and frameworks in higher education.

HED 609 Student Development Theory II 3

Examines the concepts of social justice in higher education. Explores and investigates various theories, perspectives, issues, and frameworks of social justice and social identities in higher education.

HED 612 Current Issues in Higher Education 3

Identification and analysis of current issues with discussion of proposals for resolution.

HED 625 Academic Advising and Retention in Higher Education 3

Addresses academic advising as a key element in the retention of college students; academic advising on the college campus.

HED 663 Planning Programs in Postsecondary Education 3

Designing and implementing developmentally appropriate programs in higher education. Constructing learning outcomes. Evaluating and reporting program effectiveness.

HED 688 Contemporary Problems Seminar 1-3

Specific course title identified each semester by subscript (e.g., Contemporary Problems Seminar; Issues in Professional Negotiations).
Prerequisites: Advanced master's or doctoral standing, or permission of instructor.

Notes: May be repeated for credit when topic varies.

HED 690 Internship and Professionalism in Student Affairs 3

Provides experiential learning opportunities in functional area of higher education. Learners engage in professional work activities, explore career interests, and prepare for full-time employment.

Prerequisites: HED 601 and 602 and permission of instructor.

HED 692 Independent Study 1-4

Guided readings, research, and individual project work under direction of a staff member.

HED 745 Higher Education: Equity, Inclusion and Learning 3

A review of theory and research on inclusion and equity in postsecondary education. Addresses skills, knowledge, and dispositions necessary for establishing culturally responsive learning environments.

HED 746 Organizational Theory in Higher Education 3

Competing theories of college and university organization form a transdisciplinary perspective with attention to the cultural singularities of academia. Production of an in-depth literature review on a related topic.

Prerequisites: HED 601, HED 606, and HED 661.

HED 747 Advanced Student Development Theory 3

Advanced study of the impact of college on students with emphasis on developmental needs and peer group characteristics. Requires an in-depth literature review on a related topic.

HED 748 The Law of Higher Education 3

An overview of law and implications for decision-making in higher education. Focus on constitutional, statutory, and case law. Prepares higher education leaders to protect rights of faculty, staff, students, others.

HED 749 Professional Seminar in Higher Education Research 3

Overview of higher education as a field of study. Participants develop research interests, practice critical reading and writing strategies, and produce an in-depth literature review.

Prerequisites: HED 601, HED 606, and HED 661.

HED 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HED 775 Directed Doctoral Research 3

Individual work on dissertation research problems: collection analysis, critical review, integration, and interpretation of research literature on a topic pertinent to the student's dissertation.

Notes: May be repeated once for credit.

HED 799 Dissertation 1-12

Individual direction in the development and execution of a doctoral dissertation.

HED 802 Dissertation Extension 1-3

Dissertation Extension.

History (HIS)

HIS 101 Contemporary World 3

This course explores the historical background behind major issues of the contemporary world, including: colonialism/decolonization; the Cold War and other global conflicts; genocide; religious fundamentalism; and the role of women.

GE Core: GHP

GE Marker: GN

LEC: GMO

HIS 203 History of Africa to 1870 3

Early African empires, the spread of Islam, European exploration, the Atlantic slave trade and its effects, slavery in Africa, white settlement in South Africa.

GE Core: GHP

GE Marker: GN

LEC: GPM

HIS 204 History of Africa since 1870 3

Colonial partition, missionaries, wars of resistance, styles of colonial rule, development and underdevelopment, independence movements and de-colonization, neo-colonialism, capitalism and socialism, civil wars, apartheid in South Africa.

GE Core: GHP

GE Marker: GN

LEC: GMO

HIS 206 Topics in Premodern Western History 3

Cross-cultural themes in premodern continental European history explored in a world context, such as: History of Christianity; Atlantic Exploration and the Columbian Exchange; Everyday Life before 1750.

GE Core: GHP

GE Marker: GL

LEC: GPM

Notes: May be repeated for credit when topic of study changes.

HIS 207 Topics in Premodern World History 3

Cross-cultural themes in premodern African, Asian, or Latin American/ Caribbean history explored in a world context, such as: Merchants, Trade, and Cultural Encounters; Islam in Asia and Africa; Ancient American Empires.

GE Core: GHP

GE Marker: GN

LEC: GPM

Notes: May be repeated for credit when topic of study changes.

HIS 208 Topics on the West and the Modern World 3

Transnational themes in modern continental European history explored in a world context, such as: Emigration and Immigration; Nation States and National Identities; History of "Development"; European Expansion and Colonial Empires.

GE Core: GHP

GE Marker: GL

LEC: GMO

Notes: May be repeated for credit when topic of study changes.

HIS 209 Topics in Modern World History 3

Transnational themes in modern African, Asian, or Latin American/ Caribbean history explored in a world context, such as: Borderlands, Frontier, and Cultural Change; Contradictions of Colonial Experience; Gender, Labor, and Modernization.

GE Core: GHP

GE Marker: GN

LEC: GMO

Notes: May be repeated for credit if the topic of study changes.

HIS 210 Human Rights in Modern World History 3

A historical survey of human rights as a concept and political cause in international law, transnational movements, and global events from the 18th century to the present.

GE Core: GHP

GE Marker: GL

LEC: GMO

HIS 211 The United States: A General Survey to 1865 3

First semester: to 1865. Second semester: since 1865.

GE Core: GHP

LEC: GMO

HIS 212 The United States: A General Survey Since 1865 3

First semester: to 1865. Second semester: since 1865.

GE Core: GHP

LEC: GMO

HIS 213 Topics in American History 3

Selected topics in American history at an introductory level. Topics may vary from colonial era through the twentieth century. This course stresses the analysis and interpretation of primary sources.

GE Core: GHP

LEC: GMO

HIS 215 The Civilizations of Asia 3

History, institutions, and culture of India, China, and Japan, from earliest times to about 1700. Limited reference to Southeast Asia, Central Asia, and Korea.

GE Core: GHP

GE Marker: GN

LEC: GPM

HIS 216 The Civilizations of Asia 3

Impact of West on Asia and Asia's response; development of nationalism and Communism. Focus is on India, China, and Japan in nineteenth and twentieth centuries.

GE Core: GHP

GE Marker: GN

LEC: GMO

HIS 217 The World in the Twentieth Century 3

Political, social, and economic forces affecting Africa, the Americas, Asia, and Europe. Issues include Cold War, imperialism, nationalism, terrorism, world war. Covers the twentieth century from 1900 to 1945.

GE Core: GHP

GE Marker: GN

LEC: GMO

HIS 218 The World since 1945 3

Political, social, and economic forces affecting Africa, the Americas, Asia, and Europe since 1945. Issues include Cold War, imperialism, nationalism, terrorism, and decolonization.

GE Core: GHP

GE Marker: GN

LEC: GMO

HIS 220 The Ancient World 3

Early civilizations: Near Eastern, Egyptian, Greek, and Roman to Reign of Constantine.

GE Core: GHP

LEC: GPM

HIS 221 Medieval Legacy 3

Survey of Western European history from the end of the Roman Empire to the fifteenth century exploring such varied aspects of the medieval experience as pilgrimage, crusade, peasant life, the emergence of national states, and the rise of the university.

GE Core: GHP

GE Marker: GL

LEC: GPM

HIS 222 Europe 1400-1789 3

Survey of major socio-economic, political, and cultural trends in Europe from the Renaissance to the French Revolution.

GE Core: GHP

GE Marker: GL

LEC: GPM

HIS 223 European Revolutions, 1789-1989 3

Survey of major socio-economic, political, and cultural trends in Europe from the French Revolution to the present.

GE Core: GHP

GE Marker: GL

LEC: GMO

HIS 239 The First America: Latin America, 1492-1830 3

Introduction to the early history of Latin America. Emphasis on the clash of cultures, Indian-Spanish relations, and the structure and mechanisms of empire.

GE Core: GHP

GE Marker: GN

LEC: GMO

HIS 240 (Dis)order and Progress: Latin America since 1810 3

Introduction to the political and economic history of Latin America since independence. Survey covers political dynamics, social transformations, and the evolution of export economics.

GE Core: GHP

LEC: GMO

HIS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HIS 301 Race and Slavery 3

Examination of the black experience from ancient to modern times, including pre-colonial Africa, the Atlantic slave trade, slavery in the Americas with special emphasis on the United States before 1865.

LEC: GMO

HIS 302 Race and Segregation 3

Race and segregation in the United States since the Civil War, including the origins of Jim Crow laws, civil rights movement, black urbanization, the Harlem Renaissance, black nationalism, and the black experience in America.

LEC: GMO

HIS 308 Navigating World History 3

Introduction to and overview of world history, ca. 8000 BCE to the present. Prepares Social Studies Licensure majors to teach world history at the middle grades and high school level.

Prerequisites: Social Studies Licensure candidates or permission of instructor.

HIS 309 Unity and Unrest in Medieval Towns 3

Examines the ways in which the towns of Medieval Europe constructed social unity and the ways in which that unity was threatened by cultural change and social unrest.

GE Marker: GL

HIS 310 Daughters of Eve: Women in the Middle Ages 3

Examines the political, social, religious, and cultural experiences of women during the European Middle Ages. Consideration given to gender roles, family structure, and writings by and about women.

GE Marker: GL

HIS 312 The Crusades 3

Social, political, and religious causes of crusading: events of the crusades (1097–1250); impact of the crusades on Christian Europe and the Muslim Near East.

HIS 313 The Viking Age 3

Examines the Scandinavian peoples of Europe during the Viking Age (750–1150), with focus on the internal culture, religion, and politics of Scandinavia and on external raids and colonization.

HIS 314 The Modern British Empire, 1750–Present 3

This course examines the British Empire from the mid-eighteenth century to the present. Themes include: the changing nature of imperial expansion, methods of colonial rule, decolonization, and legacies of empire.

HIS 315 Witchcraft and Magic in European History 3

Examination of witchcraft beliefs and persecution as a way of studying the social history of Europe before industrialization. Emphasizes the "Witch Craze" of the sixteenth and seventeenth centuries.

HIS 316 Interpreting American History 3

Examination of a broad variety of primary source evidence and historiographical methods for studying the American past from the colonial era through the twentieth century.

Prerequisites: Middle Grades or Secondary Social Studies Licensure candidates or permission of instructor.

HIS 317 Creating a Public Past: History beyond the University 3

Explores the place of the past in contemporary life and introduces the field of public history: the effort to make history for and with audiences beyond the university.

HIS 319 Sugar, Soccer, Samba: History of Brazil 3

General history of Brazil since 1500. Topics include cultural and environmental history; the history of slavery and colonization; immigration, race, and economic development; and modern struggles for equality and democracy.

HIS 320 History of Mexico and Central America 3

The political and economic history of Mexico and Central America from the dissolution of colonial New Spain in 1821 to the debates over neoliberalism in the early 21st century.

LEC: GMO

HIS 322 American Indian History: 1840 to the Present 3

Explores the history of American Indians in the area now encompassed by the United States from 1840 to the present.

HIS 323 American Indians and Nature 3

Examines the interaction of American Indians and nature from before European arrival today.

GE Core: GHP

GE Marker: GN

HIS 326 Using Photographs as Historical Evidence 3

Case study approach using photographs as historical evidence from the Civil War to the Great Depression. History and interpretation of specific print materials. Identification, care and handling of historic photographs.

HIS 328 U.S. Women's History to 1865 3

A history of women in the U.S. to the Civil War. Topics include Native American gender systems, midwives, witchcraft, women's labor and education, families, slavery, and social reform.

HIS 329 U.S. Women's History Since 1865 3

A history of women in the U.S. since the Civil War. Topics include women's activism, labor, reproduction, public policy, race and class inequalities, and contemporary women's issues.

HIS 332 Civil Rights and Black Freedom, 1940–1980 3

Southern and national civil rights politics in light of local and human rights dimensions of the wider black freedom movement. Special attention to leadership, economics, local movements, and white resistance.

HIS 333 American Indian History to 1840 3

Explores the history of American Indians in the area now encompassed by the United States through the era of Indian Removal in the 1830s.

HIS 334 United States Environmental History 3

Examines the interaction of humans and nature in American history from the colonial period to today.

HIS 335 America Before the Revolution 3

Selected topics on North American history prior to the American Revolution, such as the lives of diverse groups of people, trade, war, rebellion, religion, and politics.

LEC: GMO

HIS 336 The American Revolutionary Era, 1763–1789 3

Selected topics in the history of the American Revolution, such as the roles of gender, class, race, politics, war, and various groups of peoples in the Revolutionary era.

GE Core: GHP

LEC: GMO

HIS 337 Emerging Nation: US History 1789–1848 3

Selected topics in United States history during the early national era, such as the Market Revolution, the growth of slavery, foreign relations, Indian Removal, democratizing politics, and territorial expansion.

HIS 338 Civil War, Reconstruction, and Reunion, 1848-1896 3

American history from the end of the Mexican War to the Bryan campaign, centering on the slavery controversy, Civil War and Reconstruction, industrialization, urbanization, and agrarian problems.

HIS 339 From Civil War to Superpower: America 1896-1945 3

Examines the rise of American global power and its domestic foundations, includes coverage of the labor movement, the World Wars, progressive reform, the New Deal, civil rights issues, and the women's rights movements.

HIS 340 The United States since World War II 3

Selected social, political, and international trends and events: Cold War and Vietnam; conservatism from McCarthy to Reagan; black freedom, radicalism and the Great Society; feminism; mass immigration and multicultural America.

HIS 341 Pirates of the Caribbean: The Real Story 3

Introduces students to the fascinating, complex, and changing roles of corsairs, buccaneers, and privateers in shaping the emerging colonial economies, societies, and cultures of the early modern Caribbean.

HIS 342 Gender, Sex, and Health in the 20th Century US 3

Women's bodies and health in historical perspective. Topics include: anatomy, menstruation, childbirth, birth control, abortion, violence, pregnancy, nutrition, eating disorders, HIV/AIDS, menopause, breast cancer, and sexuality.

HIS 344 The New South 3

Southern history from Reconstruction to the present. Emphasis on race, politics, agriculture, and industry.

HIS 347 History of North Carolina 3

History of North Carolina from its colonial origins to the twentieth century, including the evolution of its political system, economy, social structure, and culture.

HIS 348 The World at War, 1914-1918 3

Origins, course, and impact of the First World War. Emphasis on political, social, and cultural as well as military perspectives.

HIS 349 The World at War, 1939-1945 3

Emphasis on the political systems responsible for the Second World War; military establishments that fought it, the populations that suffered it, and sociopolitical and cultural changes it brought about.

GE Marker: GL

HIS 350 American Immigration: Newcomers and Gatekeepers 3

Examines how immigrants and immigration restrictionists shaped the society, culture, national identity, and politics of the U.S. since 1880. Work, community, poverty and opportunity, political organizing for and against immigration.

HIS 351 History of Greece, 2000 BC-31 BC 3

Mycenaean society, Greek "dark ages" colonization and tyranny, Athens and Sparta, flowering in the fifth and fourth centuries, conquests of Alexander, Hellenistic empires, and the diffusion of Greek civilization.

HIS 354 The Roman Republic, 754 BC-44 BC 3

Study of the social and political forces that led to Rome's conquest of the Mediterranean World—and of the transformation which world conquest wrought on Rome itself. Topics covered include: the Roman Constitution and politics, the Roman conquest of Italy and then of the whole Mediterranean, and the decline of the Republic.

HIS 355 The Roman Empire, 44 BC-AD 337 3

Survey of politics and society at Rome under the Empire, when Rome dominated Western Civilization. Topics covered include: Augustus and the rise of one-man rule at Rome, the long "Roman Peace" and the civilizing of Europe under the Emperors, the rise of Christianity, and the transformed Empire of Constantine the Great.

GE Marker: GL

HIS 356 The Making of the African Diaspora 3

This course will explore the histories of Africans and their decedents across the Indian Ocean and Atlantic worlds.

HIS 362 History of Economic Thought 3

The history of economic thought and criticism since the eighteenth century. Major topics include classical economics, socialism, communism, marginalism, Keynesianism, corporatism, Austrian economics, monetarism, developmentalism, neoliberalism, and modern anti-market revolutions.

Notes: Same as ECO 362.

HIS 369 History of Spain 3

Exploration of major themes in Spanish history, including the concept of crusade, the experience of empire, and struggle for religious, ethnic, and political unity. Focuses on Spain during its "Golden Age" (1500–1700).

LEC: GPM

HIS 373 English History to 1660 3

Origins and evolution of English culture and English constitution.

LEC: GPM

HIS 374 British History 1688-Present 3

Major landmarks in the social, political, intellectual, and cultural history of the diverse peoples of the British Isles from the Glorious Revolution of 1688 to the 21st century.

LEC: GMO

HIS 376 German History, 1914-1945 3

German social and political structures and their functioning during World War I, Weimar Republic, and Third Reich with attendant emphasis on cultural and intellectual themes.

GE Marker: GL

HIS 377 Russian History to 1900 3

Introduction to old Russia of Kiev and Muscovy, followed by a more intensive survey of eighteenth and nineteenth centuries.

HIS 378 Russian History since 1900 3

End of Tsarist Empire, Revolution of 1917 and its aftermath, Soviet Union under Stalin, and recent developments.

HIS 380 Topics in the Near and Middle East 3

Explores interdisciplinary topics in the Near and Middle East designed to enrich historical perspectives such as archaeology, environmental history, and travel literature. Emphasis is on the Islamic world.

Notes: May be repeated for credit when topic varies.

HIS 381 The Near and Middle East since World War I 3

Emphasizes developments since World War I.

LEC: GMO

HIS 389 West Africa during the Atlantic Slave Trade 3

Examines how trade between European and African countries developed into a trans-Atlantic slave trade. Focus on origins of slaves and effects of slave trade on Africa, ca. 1450–1850.

GE Core: GHP

GE Marker: GN

HIS 390 History Internship 3

Field learning experience in public or applied history, or archaeology. Academic supervision provided by job supervisor. Assigned reading and written reports.

Prerequisites: Permission of Instructor.

HIS 391 Historical Skills and Methods 3

Introduction to research methods in history. Topics include: analyzing varieties of primary and secondary source materials; designing a project focus; finding and evaluating appropriate sources; citation methods; historiography.

Prerequisites: History major or minor and completion of all 200-level requirements for the major.

HIS 392 The Holocaust: History and Meaning 3

This course examines the history of the Nazi Holocaust during World War II and explores a variety of meanings—intellectual and artistic—that have been imposed upon it.

GE Marker: GL

HIS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HIS 401 Individual Study 1-3

Directed program of reading or research. Available to qualified students upon the recommendation of an instructor and approval of department head.

HIS 402 Individual Study 1-3

Directed program of reading or research. Available to qualified students upon the recommendation of an instructor and approval of department head.

HIS 403 African American History: Selected Topics 3

Examination of selected topics in black history including African beginnings, slavery, racial attitudes, and civil rights.

Notes: May be repeated once for credit.

HIS 405 Introduction to Archival Management 3

Principles of archival management, featuring both classroom instruction in archival theory and practical experience in manuscript repositories and public and private archives.

Prerequisites: Permission of instructor.

HIS 408 Latin America and Caribbean: Selected Topics 3

A study of select political and economic developments from a historical perspective. Topics include an examination of Hispanic democracy, the evolution of the military, and land tenure. Seminar format.

Notes: May be repeated once for credit when topic varies.

HIS 411A Seminar in Historical Research and Writing 3

Locating and using historical source materials, written and oral, published and unpublished. 411A: American; 411B: European; and 411C: Wider World.

Prerequisites: For social studies licensure students: HIS 430 and permission of instructor. for all other history majors: HIS 391 and permission of instructor;

Notes: Required of history majors. May be repeated once for credit when topic varies.

HIS 411B Seminar in Historical Research and Writing 3

Locating and using historical source materials, written and oral, published and unpublished. 411A: American; 411B: European; and 411C: Wider World.

Prerequisites: For social studies licensure students: HIS 430 and permission of instructor. for all other history majors: HIS 391 and permission of instructor;

Notes: Required of history majors. May be repeated once for credit when topic varies.

HIS 411C Seminar in Historical Research and Writing 3

Locating and using historical source materials, written and oral, published and unpublished. 411A: American; 411B: European; and 411C: Wider World.

Prerequisites: For social studies licensure students: HIS 430 and permission of instructor. for all other history majors: HIS 391 and permission of instructor;

Notes: Required of history majors. May be repeated once for credit when topic varies.

HIS 412 Public History 3

A history of America's past through museums (indoor and outdoor); collections and their interpretation; exhibitions and park and wilderness areas.

HIS 414 Topics in World History 3

Selected topics in world history such as migration, religions, human and/or environmental interaction, imperialism, trade, urbanism, frontiers, and global networks.

Notes: May be repeated once for credit when topics varies.

HIS 415 American Diplomatic History: The Twentieth Century 3

Emphasis on most important crises and making of basic policy decisions from Spanish American war to present.

HIS 418 American Economic History 3

Evolution of the American economy with emphasis on economic performance through time measured against the goals of full employment, price stability, and rapid growth.

Prerequisites: ECO 201 or permission of instructor.

Notes: Same as ECO 518.

HIS 420 Southern History: Selected Topics 3

Selected topics in the history of the American South from the colonial origins to our time. Examples include politics, education, economic development, reform, race, and gender.

Notes: May be repeated once for credit when topic varies.

HIS 422 Early American History: Selected Topics 3

Varying topics in early American history including settlement, economic development, Puritanism, the Great Awakening, slavery, ethnicity, and pre-Revolutionary politics.

Notes: May be repeated once for credit when topic varies.

HIS 424 Twentieth-Century U.S. History: Selected Topics 3

Varying topics in twentieth-century U.S. history including Progressive Era, World War I, the 1920s, the Great Depression and New Deal, World War II, McCarthyism, Civil Rights Movement, Vietnam War, the 1960s.

Notes: May be repeated once for credit when topic varies.

HIS 426 The Civil War and Reconstruction: Selected Topics 3

Causes of the Civil War. Military events and developments on the home front in wartime, North and South. Reconstruction policy in Washington and its implementation in the South.

Notes: May be repeated once for credit when topic varies.

HIS 430 Historical Methods for Social Studies Teachers 3

Introduction to research methods in history for social studies licensure students. Students write a research paper based on primary source evidence.

Prerequisites: Middle Grades or Secondary Social Studies Licensure candidates who have completed HIS 308, HIS 316, and one other 300-level History elective for a total of 9 s.h.. or permission of instructor.

HIS 434 The American Revolution: Selected Topics 3

Politics of Empire, colonial political culture, War for Independence, constitutionalism, race, partisanship from the 1750s to 1800.

Prerequisites: HIS 211 recommended.

HIS 440 Principles and Practices for Teaching History 3

Philosophy and methods for teaching historical reasoning. Topics include evaluating curricular standards, using primary sources in the classroom, teaching with historic places, creating and evaluating assignments, and teaching research methods.

Prerequisites: Middle Grades or Secondary Social Studies licensure candidates who have completed HIS 308, HIS 316, and any 300-level history elective, for a total of 9 s.h., or permission of the instructor.

HIS 441 Ancient World: Selected Topics 3

Varying topics in ancient Near Eastern, Greek, and Roman history, including politics and public rituals, patterns of social organization, ancient slavery, cross-cultural interactions.

HIS 442 Middle Ages: Selected Topics 3

Varying topics in medieval culture and society chosen from the broad categories of political, social, economic, intellectual, or religious history.

Notes: May be repeated once for credit when topic varies.

HIS 443 Historic Preservation: Principles and Practice 3

Study of change in historic preservation theory and practice since the 1800s with emphasis on preservation of built environment. Development of philosophical approach for designers to contemporary preservation projects.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 443.

HIS 444 Early Modern Europe: Selected Topics 3

Varying topics in early modern European history, including Renaissance cities, Protestant Reformation, Catholic Reformation, court cultures, impact of printing, gender and identity and the Age of Discovery.

Notes: May be repeated once for credit when topic varies.

HIS 445 Southern History and Southern Material Culture in a Museum Context 3

Combined southern history and material culture with a museum practicum. Students selected by individual application.

Prerequisites: Permission of instructor. students must submit written application;

Notes: May be repeated for credit when topic varies, with permission of instructor.

HIS 446 American Cultural History: Selected Topics 3

Varying topics in the creation and development of American culture including the role of technology, environment, ethnic diversity, and the history of ideas.

Notes: May be repeated once for credit when topic varies.

HIS 447 History Museum Curatorship: Collections Management 3

Professional practices in the care and management of historic site and history museum collections, including principles of collection development, object registration, cataloging, and preservation.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 447.

HIS 448 Architectural Conservation 3

Overview of contemporary architectural conservation principles, practice and technology. A series of field exercises, group projects and investigation of an individual research topic expand upon lectures and readings.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 448.

HIS 449 American Social History: Family and Religion 3

American social history from the eve of colonization to Reconstruction, the family and communal organization of early American society, and the assumptions about human nature and destiny underlying culture and change.

HIS 451 Gender and History: Selected Topics 3

Varying topics in Gender and History including Gender and Popular Culture; Gender, Labor, Race, and Class; History of Masculinity.

Notes: May be repeated once for credit when topic varies.

HIS 455 Field Methods in Preservation Technology 3

Intensive on-site fieldwork experience addressing issues of architectural conservation and historic building technology. Includes methods, techniques, and theories of preservation technology and accepted conservation practices.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 455.

HIS 460 Nineteenth-Century Europe: Selected Topics 3

Selected topics address comparative political, social, and economic development of major European states and changing power relationships from the defeat of Napoleon to the end of the First World War.

Notes: May be repeated once for credit when topic varies.

HIS 462 Twentieth-Century Europe: Selected Topics 3

Topics in 20th-century European history including World War I, its impact on European thought and culture, the origins of World War II, the movement for European Unity, the Cold War.

Notes: May be repeated once for credit when topic varies.

HIS 463 Early Modern England: Selected Topics 3

Varying topics in early modern British history, including the Protestant Reformation, political revolutions and economic and social change.

Notes: May be repeated once for credit when topic varies.

HIS 464 Modern Britain: Selected Topics 3

Varying topics in modern British history such as the industrial revolution, parliamentary reform, loss of one empire and the creation of a second, World War I and II.

Notes: May be repeated once for credit when topic varies.

HIS 467 French History: Selected Topics 3

Study of specific themes and/or problem areas in French History.

Notes: May be repeated once for credit when topic varies.

HIS 469 African History and Cultures through Film 3

Examines how Africans are portrayed in a variety of film genres, focusing on representations of race, gender, class, and sexuality in world cinema and legacies of colonialism.

Notes: Same as LLC 468.

HIS 471 Modern European Thought: Selected Topics 3

Study of selected themes and/or problems in European intellectual and cultural history.

Notes: May be repeated once for credit when topic varies.

HIS 474 Modern Germany: Selected Topics 3

Varying topics in modern German history including the Third Reich, Germany during World War I, Bismarckian Germany, ideology in Germany.

Notes: May be repeated once for credit when topic varies.

HIS 475 Modern Russian History: Selected Topics 3

Varying topics in modern Russian history, including "Great Reforms," industrialization, revolutionary movement, Marxism–Leninism, tsarist and Soviet foreign policy, Soviet politics, post-World War II changes, Gorbachev era, and end of Soviet Union.

Notes: May be repeated once for credit when topic varies.

HIS 478 Research Methods in Historical Archaeology 3

Advanced training in research methods in Historic Archaeology, involving on-site training in field, laboratory, and library components of Historic Archaeology.

Prerequisites: Junior or senior status.

Notes: Same as ATY 475.

HIS 481 African History: Selected Topics 3

Varying topics in African history including Central African Kingdoms, Pre-colonial West African Kingdoms, "Stateless" Societies of Africa.

Notes: May be repeated once for credit when topic varies.

HIS 487 Southern African History 3

The rise and decline of African nations in nineteenth-century southern Africa: economic and social change; the creation of the Union of South Africa and the roots of apartheid.

HIS 488 East Asian History: Selected Topics 3

Varying history in East Asian history: a detailed examination of specific social, economic, political and intellectual facets of Chinese, Korean and Japanese history.

Notes: May be repeated once for credit when topic varies.

HIS 491 Honors Work: American History 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major; 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

HIS 492 Honors Work: European History 3-6

Individual study.

Prerequisites: Permission of instructor. 3.30 GPA in the major; 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

HIS 493 Honors Work: Wider World History 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major; 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

HIS 502 African American History: Selected Topics 3

Examination of selected topics in black history including African beginnings, slavery, racial attitudes, and civil rights.

Notes: May be repeated once for credit.

HIS 508 Latin America and Caribbean: Selected Topics 3

A study of select political and economic developments from a historical perspective. Topics include an examination of Hispanic democracy, the evolution of the military, and land tenure. Seminar format.

Notes: May be repeated once for credit when topic varies.

HIS 510 Historiography 3

Development of the historical profession and perspectives on historical methodology. Selected readings by philosophers of history and practicing historians.

HIS 512 Public History 3

A history of America's past through museums (indoor and outdoor); collections and their interpretation; exhibitions and park and wilderness areas.

HIS 514 Topics in World History 3

Selected topics in world history such as migration, religions, human and/or environmental interaction, imperialism, trade, urbanism, frontiers, and global networks.

Notes: May be repeated once for credit when topics varies.

HIS 515 American Diplomatic History: The Twentieth Century 3

Emphasis on most important crises and making of basic policy decisions from Spanish American war to present.

HIS 520 Southern History: Selected Topics 3

Selected topics in the history of the American South from the colonial origins to our time. Examples include politics, education, economic development, reform, race, and gender.

Notes: May be repeated once for credit when topic varies.

HIS 522 Early American History: Selected Topics 3

Varying topics in early American history including settlement, economic development, Puritanism, the Great Awakening, slavery, ethnicity, and pre-Revolutionary politics.

Notes: May be repeated once for credit when topic varies.

HIS 524 Twentieth-Century U.S. History: Selected Topics 3

Varying topics in twentieth-century U.S. history including Progressive Era, World War I, the 1920s, the Great Depression and New Deal, World War II, McCarthyism, Civil Rights Movement, Vietnam War, the 1960s.

Notes: May be repeated once for credit when topic varies.

HIS 526 The Civil War and Reconstruction: Selected Topics 3

Causes of the Civil War. Military events and developments on the home front in wartime, North and South. Reconstruction policy in Washington and its implementation in the South.

Notes: May be repeated once for credit when topic varies.

HIS 541 Ancient World: Selected Topics 3

Varying topics in ancient Near Eastern, Greek, and Roman history, including politics and public rituals, patterns of social organization, ancient slavery, cross-cultural interactions.

HIS 542 Middle Ages: Selected Topics 3

Varying topics in medieval culture and society chosen from the broad categories of political, social, economic, intellectual, or religious history.

Notes: May be repeated once for credit when topic varies.

HIS 543 Historic Preservation: Principles and Practice 3

Study of change in historic preservation theory and practice since the 1800s with emphasis on preservation of built environment. Development of philosophical approach for designers to contemporary preservation projects.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 543.

HIS 544 Early Modern Europe: Selected Topics 3

Varying topics in early modern European history, including Renaissance cities, Protestant Reformation, Catholic Reformation, court cultures, impact of printing, gender and identity and the Age of Discovery.

Notes: May be repeated once for credit when topic varies.

HIS 546 American Cultural History: Selected Topics 3

Varying topics in the creation and development of American culture including the role of technology, environment, ethnic diversity, and the history of ideas.

Notes: May be repeated once for credit when topic varies.

HIS 547 History Museum Curatorship: Collections Management 3

Professional practices in the care and management of historic site and history museum collections, including principles of collection development, object registration, cataloging, and preservation.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 547.

HIS 548 Architectural Conservation 3

Overview of contemporary architectural conservation principles, practice and technology. A series of field exercises, group projects and investigation of an individual research topic expand upon lectures and readings.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 548.

HIS 551 Gender and History: Selected Topics 3

Varying topics in Gender and History including Gender and Popular Culture; Gender, Labor, Race, and Class; History of Masculinity.

Notes: May be repeated once for credit when topic varies.

HIS 555 Field Methods in Preservation Technology 3

Intensive on-site fieldwork experience addressing issues of architectural conservation and historic building technology. Includes methods, techniques, and theories of preservation technology and accepted conservation practices.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 555.

HIS 568 African History and Cultures through Film 3

Examines how Africans are portrayed in a variety of film genres, focusing on representations of race, gender, class, and sexuality in world cinema and legacies of colonialism.

Notes: Same as LLC 568.

HIS 571 Modern European Thought: Selected Topics 3

Study of selected themes and/or problems in European intellectual and cultural history.

Notes: May be repeated once for credit when topic varies.

HIS 575 Modern Russian History: Selected Topics 3

Varying topics in modern Russian history, including "Great Reforms," industrialization, revolutionary movement, Marxism–Leninism, tsarist and Soviet foreign policy, Soviet politics, post-World War II changes, Gorbachev era, and end of Soviet Union.

Notes: May be repeated once for credit when topic varies.

HIS 581 African History: Selected Topics 3

Varying topics in African history including Central African Kingdoms, Pre-colonial West African Kingdoms, "Stateless" Societies of Africa.

Notes: May be repeated once for credit when topic varies.

HIS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HIS 624 History of American Landscapes and Architecture 3

Examination of the social and cultural forces affecting the design and use of landscapes and buildings in North America from the colonial period through the mid-twentieth century.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 624.

HIS 625 Preservation Planning and Law 3

Examination and analysis of the relationship of government programs and policies, community and regional planning strategies, and legal case precedents to the field of historic preservation.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 625.

HIS 626 The Practice of Public History 3

Basic principles in the administration of museums, historic sites, and other cultural resources. Subjects include fundraising, personnel and volunteer management, working with board members, and museum law and ethics.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 626.

HIS 627 Museum and Historic Site Interpretation: Principles and Practice 3

Theory and practice of interpreting history to the public in the context of museums and historic sites. Topics include exhibit planning and technologies, living history, research methods, and audience evaluation.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as IAR 627.

HIS 629 Museum Education 3

Survey of the principles and practices of museum education. Explores the kinds of learning that occur in museums and how educational programming can engage diverse audiences.

Prerequisites: Admission to graduate study in history or interior architecture, or permission of instructor.

HIS 631 Digital History 3

This seminar explores the possibilities and challenges of doing history in digital spaces. Students will gain hands-on training in tools and practices and will design original digital public history projects.

Prerequisites: Restricted to graduate students in the History/Museum Studies or PhD Program, unless by written permission of the instructor.

HIS 633 Community History Practicum 3

Hands-on course, students work corroboratively and engage community partners as they research, design, and complete public projects that engage audiences in local/regional history.

Prerequisites: HIS and IAR graduate students who have completed HIS 626/IAR 626, or permission of instructor.

HIS 690 Internship 3

Supervised professional experience in selected museum, historic site, or other professional setting in accordance with the major course of study of the student. May be repeated for a maximum of 6 credits.

Prerequisites: At least 12 hours in history MA or interior architecture MS program and permission of Director of Graduate Study.

Notes: Grade: Satisfactory/Unsatisfactory, S/U. Same as IAR 690.

HIS 692 Advanced Topics in History 3

Topics in history and thematic topics not otherwise covered at the graduate level.

Prerequisites: Admission to graduate study in history and permission of instructor.

Notes: For details see the Director of Graduate Study.

HIS 697 Directed Reading 1-4

A directed program of reading and research, available to the qualified student upon the recommendation of an instructor and the department head.

Prerequisites: Admission to graduate study in history and permission of instructor and Director of Graduate Study.

HIS 699 Thesis 1-6

Individual guidance in the development of a specific research problem.

HIS 701 Colloquium in American History before 1865 3

Issues of historical interpretation from the Colonial era through the Civil War.

HIS 702 Colloquium in American History after 1865 3

Issues of historical interpretation from Reconstruction to the present.

Prerequisites: Admission to graduate study in history.

HIS 703 M.A. Research Project I 3

Research and writing on selected topics in American history.

HIS 704 M.A. Research Project II 3

Research and writing on selected topics in American history.

HIS 705 Colloquium in European History before 1789 3

Topics in European social, economic, political and intellectual history from the Middle Ages to the French Revolution. Methodology and the diversity of historical approaches.

Prerequisites: Admission to graduate study in history.

HIS 706 Colloquium in European History since 1789 3

Interpretations of selected historical problems from the French Revolution to the present.

Prerequisites: Admission to graduate study in history.

HIS 709 Introductory Research Seminar 3

Will focus on methods, sources, and writing; research paper based on primary and contextualized in secondary sources.

Prerequisites: Admission to graduate study in history.

Notes: May be repeated once for credit when topic varies.

HIS 710 Colloquium in the Atlantic World 3

Introduction to the history of the Atlantic trading system, the historiography of Atlantic World studies, and comparative, cross-cultural approaches to historical research.

Prerequisites: Admission to graduate study in history or permission of instructor.

HIS 712 Slavery in the Americas 3

Comparative analysis of slavery and race relations in South and Central America, the Caribbean, British North America, and the United States, 1501-1888.

Prerequisites: Admission to graduate study in history or permission of instructor.

HIS 713 African Americans after Slavery 3

African American history during the Civil War, Reconstruction, the era of Jim Crow, the civil rights and post-civil rights eras.

HIS 714 Varieties of Teaching 3

Introduction to college level teaching in history with attention to syllabi, lecturing, examinations, discussions, grading, and responding to student input. Students participate in teaching actual courses.

Notes: Grade: Satisfactory/Unsatisfactory, S/U.

HIS 715 Atlantic World: Selected Topics 3

Topics include European migration, comparative colonization, African diaspora, and "underdevelopment" in Latin America and Africa.

Prerequisites: Admission to graduate study in history or permission of instructor.

Notes: May be repeated once for credit when topic varies.

HIS 716 Graduate Colloquium in World History 3

Introduction to World history, the historiography of World studies, and comparative, cross-cultural approaches to historical research.

HIS 720 Public History Capstone I 3

Conceiving, researching, planning, and creating an original public history project, the first part of a two-semester sequence.

Prerequisites: Students must have completed 15 hours of graduate level course credits.

HIS 721 Public History Capstone II 3

Conceiving, researching, planning, and creating an original public history project, the second part of a two-semester sequence.

Prerequisites: HIS 720.

HIS 723 Selected Topics in Nineteenth-Century United States History 3

Varying topics that explore political, social, economics, intellectual, cultural, or religious history of nineteenth-century U.S. History.

Prerequisites: Admission to graduate study in history or permission of instructor.

Notes: May be repeated once for credit when topic varies.

HIS 724 Selected Topics in Twentieth-Century American History 3

Major developments in the political, social, and cultural history of the United States since 1900.

Prerequisites: Admission to graduate study in history or permission of instructor.

Notes: May be repeated once for credit when topic varies.

HIS 740 Selected Topics in European History 3

Varying topics that explore political, social, economic, intellectual, cultural, or religious history of European History.

Prerequisites: Admission to graduate study in history or permission of instructor.

Notes: May be repeated once for credit when topic varies.

HIS 750 PhD Readings Course 3

Designed to provide doctoral students with a program of focused readings in the student's field of study.

Prerequisites: Permission of Director of Graduate Study.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

HIS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HIS 751 PhD Dissertation Proposal Course 3

Students will develop a doctoral dissertation topic.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

HIS 799 Dissertation 1-12

Individual direction in the development and execution of a doctoral dissertation.

HIS 801 Thesis Extension 1-3

Thesis Extension.

HIS 802 Dissertation Extension 1-3

Dissertation Extension.

HIS 803 Research Extension 1-3

Research Extension.

Honors College (HSS)

HSS 102 First-Year Seminar in Historical Perspectives: Modern 3

Historical study of human culture from the 17th century to the present.

GE Core: GHP**LEC:** GMO**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 103 First-Year Seminar in the Physical Sciences 3**

Study of physical sciences with attention to the methods of scientific investigation.

GE Core: GNS**LEC:** GPS**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 105 First-Year Seminar in the Fine Arts 3**

Study of selected topics in the fine arts, which include painting, sculpture, cinema, dance, music, theatre, architecture, and design.

GE Core: GFA**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 106 First-Year Seminar in Philosophical/Religious/Ethical Principles 3**

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

GE Core: GPR**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 108 First-Year Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

GE Core: GSB**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 109 First-Year Seminar in Reasoning and Discourse 3**

Study of intellectual discourse, including the construction, analysis, and synthesis of cogent arguments.

GE Core: GRD**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 112 First-Year Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

GE Core: GHP**GE Marker:** GN**LEC:** GMO**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 116 First-Year Seminar in Philosophical/Religious/Ethical Principles 3**

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

GE Core: GPR**GE Marker:** GN**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 118 First-Year Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

Prerequisites: Admission to Lloyd International Honors College. open to first-year students only.**HSS 121 First-Year Seminar in Historical Perspectives: Premodern 3**

Historical study of human culture from ancient times to the 17th century.

GE Core: GHP**GE Marker:** GL**LEC:** GPM**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 122 First-Year Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

GE Core: GHP**GE Marker:** GL**LEC:** GMO**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 125 First-Year Seminar in the Fine Arts 3**

Study of selected topics in the fine arts, which include painting, sculpture, cinema, dance, music, theatre, architecture, and design.

GE Core: GFA**GE Marker:** GL**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 127 First-Year Seminar in Literature 3**

Study of works of literature and the social and historical contexts from which they come.

GE Core: GLT**GE Marker:** GL**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 128 First-Year Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

GE Core: GSB**GE Marker:** GL**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.**HSS 138 First-Year Seminar in Cultural Anthropology 3**

Cultural anthropology attempts to stimulate interest in basic questions about human nature and human adaptation, including major theoretical approaches, the nature of field work, and an examination of selected topics.

GE Core: GSB**GE Marker:** GN**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only;**Notes:** Students may not receive credit for both ATY 213 and HSS 138.

HSS 198 Honors Colloquium 1

Introduction to a liberal education in a global context, to cultural self-awareness and shock, and to methods for taking ownership of one's own education.

Prerequisites: Must be taken in the first semester after being admitted to Lloyd International Honors College.

Notes: Grade: Pass/Not Pass (P/NP).

HSS 201 Seminar in Historical Perspectives: Premodern 3

Historical study of human culture from ancient times to the 17th century.

GE Core: GHP

LEC: GPM

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 202 Seminar in Historical Perspectives: Modern 3

Historical study of human culture from the 17th century to the present.

GE Core: GHP

LEC: GMO

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 203 Seminar in the Physical Sciences 3

Study of physical sciences with attention to the methods of scientific investigation.

GE Core: GNS

LEC: GPS

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 204 Seminar in the Life Sciences 3

Study of life sciences with attention to the methods of scientific investigation.

GE Core: GNS

LEC: GLS

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 205 Seminar in the Fine Arts 3

Study of selected topics in the fine arts, which include painting, sculpture, cinema, dance, music, theatre, architecture, and design.

GE Core: GFA

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 206 Seminar in Philosophical/Religious/Ethical Principles 3

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

GE Core: GPR

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 207 Seminar in Literature 3

Study of works of literature and the social and historical contexts from which they come.

GE Core: GLT

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 208 Seminar in Social and Behavioral Studies 3

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

GE Core: GSB

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 209 Seminar in Reasoning and Discourse 3

Study of intellectual discourse, including the construction, analysis, and synthesis of written, oral, and/or visual arguments.

GE Core: GRD

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 212 Seminar in Historical Perspectives: Modern 3

Historical study of human culture from the 17th century to the present.

GE Core: GHP

GE Marker: GN

LEC: GMO

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 215 Seminar in the Fine Arts: Global Non-Western 3

Study of selected topics in Global Non-Western fine arts, which include painting, sculpture, cinema, dance, music, theatre, architecture, and design.

GE Core: GFA

GE Marker: GN

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 216 Seminar in Philosophical/Religious/Ethical Principles 3

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

GE Core: GPR

GE Marker: GN

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 217 Seminar in Literature 3

Study of works of literature and the social and historical contexts from which they come.

GE Core: GLT

GE Marker: GN

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 218 Seminar in Social and Behavioral Studies 3

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

GE Core: GSB

GE Marker: GN

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 221 Seminar in Historical Perspectives: Premodern 3

Historical study of human culture from ancient times to the 17th century.

GE Core: GHP

GE Marker: GL

LEC: GPM

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 222 Seminar in Historical Perspectives: Modern 3

Historical study of human culture from the 17th century to the present.

GE Core: GHP

GE Marker: GL

LEC: GMO

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 223 Seminar in the Physical Sciences 3

Study of physical sciences with attention to the methods of scientific investigation.

GE Core: GNS

GE Marker: GL

LEC: GPS

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 224 Seminar in the Life Sciences 3

Study of life sciences with attention to the methods of scientific investigation.

GE Core: GNS

GE Marker: GL

LEC: GLS

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 225 Seminar in the Fine Arts 3

Study of selected topics in the fine arts, which include painting, sculpture, cinema, dance, music, theatre, architecture, and design.

GE Core: GFA

GE Marker: GL

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 226 Seminar in Philosophical/Religious/Ethical Principles 3

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

GE Core: GPR

GE Marker: GL

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 227 Seminar in Literature 3

Study of works of literature and the social and historical contexts from which they come.

GE Core: GLT

GE Marker: GL

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 228 Seminar in Social and Behavioral Studies 3

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

GE Core: GSB

GE Marker: GL

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated for credit when topic varies.

HSS 299 Honors International Experience 0

Students report on their Honors International Experience to students in HSS 198 through a combination of oral reports and written materials.

Prerequisites: Admission to Lloyd International Honors College and previously undertaken approved Honors International Experience.

Notes: Grade: Pass/Not Pass (P/NP).

HSS 300 Interdisciplinary Honors Seminar 3

Interdisciplinary seminar focusing on a particular theme or topic and taught by two faculty members from different disciplines or schools. Topic varies each semester.

Prerequisites: Admission to Lloyd International Honors College or permission of the Dean.

Notes: May be repeated for credit as topic changes.

HSS 310 Honors Abroad 3

Exploration of the culture of another country, done on site in the country and under the guidance of a UNCG faculty member (usually through UNCG's Student Exchange Program).

Prerequisites: Admission to Lloyd International Honors College or permission of the Dean.

Notes: Special requirements: travel to the host country. May be repeated for credit when topic varies.

HSS 320 Honors Tutorial 1-3

Students (usually 4 or 5) meet with a faculty member to explore an agreed upon set of topics. The faculty member will guide the discussion.

Prerequisites: Admission to Lloyd International Honors College or permission of the Dean.

Notes: May be repeated once for credit if the topic of study changes.

HSS 330 Honors Independent Study 1-3

Student consults with a supervising faculty member to develop a program of concentrated study and investigation within a particular discipline.

Prerequisites: Admission to Lloyd International Honors College.

Notes: May be repeated once for credit if the topic of study changes.

HSS 400 Senior Honors Seminar 3

Provides qualified students with the opportunity to study special topics in an advanced seminar setting with the rigorous and intense discipline implied at the senior level.

Prerequisites: Admission to Lloyd International Honors College or permission of the Dean.

HSS 490 Senior Honors Project 3

Independent original scholarship, completed under the supervision of a faculty member. Work culminates in an original essay, annotated creative work or performance, scientific report, or other special project.

Prerequisites: Senior status and admission to Lloyd International Honors College.

HSS 499 Washington Internship 6-9

Field learning experience in governmental or private organizations in Washington, DC. Students will generate products such as briefings, research memoranda, and policy analyses.

Corequisites: HSS 330 independent study or equivalent 3 s.h. independent study in any department .

Human Develop / Family Studies (HDF)

HDF 211 Human Development Across the Life Span 3

Study of how development unfolds in diverse contexts and cultures from conception to death and how individual characteristics, relationships, and social settings influence cognitive, social, and psychological development.

GE Core: GSB

HDF 212 Families and Close Relationships 3

Issues related to singlehood, partnership, and family relationships over time. Topics include love, sexual intimacy, dating, cohabitation, marriage, remarriage, parenting, divorce, and family violence.

GE Core: GSB

HDF 250 Introduction to Birth through Kindergarten Education and Programs 3

Introduction to Birth through Kindergarten programs and careers. Discussion of development from birth to six and developmentally appropriate practice. Overview and observations of program types for children with and without disabilities.

HDF 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HDF 301 Development of School-Age Children 3

Introduction to physical, social-emotional, and cognitive development of children age 5 to 12. Influence of families, culture, race/ethnicity, and teacher/school characteristics on children's development and school experiences emphasized.

GE Core: GSB

HDF 302 Infant and Child Development 3

An in-depth examination of development from conception through middle childhood with a special focus on the roles of family, peers, and school on individual behavior and well-being.

Notes: Students may not receive credit for both HDF 302 and PSY 250.

HDF 303 Adolescent Development: From Puberty to Young Adulthood 3

An in-depth examination of adolescent development, behavior, and well-being with a special focus on context and ways in which family, peers, school, and the media shape development during this period.

GE Core: GSB

HDF 304 Adult Development 3

Study of developmental stages from early to late adulthood across family, work, and society. Emphasizes family functioning and roles in these contexts.

HDF 315 Assessment and Planning for Inclusive B-K Programs 4

Theoretical, practical, ethical issues in observing, assessing, and planning for young children with and without disabilities. Individualized approaches for program planning and monitoring development are integrated.

Prerequisites: HDF 211 and HDF 302. Pr. or Coreq.: SES 242;

Notes: Same as SES 315.

HDF 321 Issues in Parenting 3

Examination of parent-child relationships and interactions from infancy through young adulthood. Explores issues relevant to lesbian/gay parents, divorced parents, and parents from diverse racial/ethnic groups.

GE Core: GSB

HDF 341 Social Emotional Competence in Inclusive Settings 3

Social, emotional, and physical environments of inclusive early childhood settings (birth to kindergarten) and their role in promoting optimal development and successful learning.

Prerequisites: HDF 211 and HDF 302. Pr. or Coreq.: SES 242;

Notes: Same as SES 341.

HDF 390 Families and Children in Global Perspective 3

A study of Asian, African, Latin American, and Eastern European families and children, focusing on family structure, gender roles, and socialization practices within their socioeconomic, historical, and cultural context.

GE Marker: GN

Prerequisites: HDF 211 and HDF 212 or permission of instructor. 2.50 GPA.

HDF 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HDF 401 Special Problems in Human Development and Family Studies 1-6

Individual study. Conference hours to be arranged.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topics vary.

HDF 407 Issues Affecting Women and Families 3

Study of cultural influences on definitions and roles of women in families and work, including impact of educational, scientific, religious, and legal institutions. Exploration of issues affecting women and families.

Prerequisites: 2.60 GPA. formal admission to HDFS major required; or permission of instructor.

HDF 409 Family Diversity 3

Study of the variation within and between families through an exploration of the similarities and differences according to culture, race/ethnicity, class, gender, family structure, and sexual orientation.

Prerequisites: 2.60 GPA. formal admission to HDFS major required.

HDF 415 Research Methods in Human Development and Family Studies 3

An introductory examination of human development and family research methods designed to provide an understanding of scientific inquiry, methodology, measurement, test construction, scaling, and statistical terms and techniques.

Prerequisites: 2.60 GPA. STA 108; formal admission to HDFS major required.

HDF 420 Birth to Kindergarten Teaching Practicum I 3

Introduction to teaching; requires six (6) hours per week placement in ECE classroom for typical and atypical children. Assignments include developing activities, tracking children's learning, and reflecting on personal professional growth.

Prerequisites: Minimum grade of C (2.0) in either HDF 315 or SES 315. or permission of instructor; 2.60 GPA; formal admission to HDFS major required.

HDF 425 Infants and Toddlers: Development, Learning, and Curriculum 3

Theories, principles, methods, and issues related to infant and toddler development and inclusive programs. An emphasis on integrating knowledge with skills to design, implement, and evaluate programs will be taken.

Prerequisites: HDF 211, HDF 302 or PSY 250. HDF 315 or SES 315; SES 242; 2.60 GPA; formal admission to HDFS major required;

Notes: Same as SES 425.

HDF 435 Preschool: Development, Learning, and Curriculum 3

In-depth examination of typical and atypical development of diverse preschool-age children. Integrated teaching strategies and effective inclusive learning environments will be emphasized.

Prerequisites: HDF 211 and HDF 302 or PSY 250. HDF 315 or SES 315; SES 242; 2.60 GPA; formal admission to HDFS major required;

Notes: Same as SES 435.

HDF 436 Kindergarten: Development, Learning, and Curriculum 3

In-depth examination of current policies and practices in public school kindergartens. Development of children with and without disabilities and appropriate teaching strategies in kindergarten will be emphasized.

Prerequisites: HDF 211, and HDF 302 or PSY 250. HDF 315 or SES 315; 2.60 GPA; formal admission to HDFS major required;

Notes: Same as SES 436.

HDF 440 Birth to Kindergarten Teaching Practicum II 3

Includes six (6) hour placement in ECE with typical and atypical children. Personal growth as a teacher will be highlighted. Assignments include activity planning for individual children's learning, growth, and development.

Prerequisites: C or better in HDF 420. 2.60 GPA; formal admission to HDFS major required.

HDF 445 Current Family Theory and Research 3

Seminar designed to examine current issues in family studies. Emphasis placed on theories and current research literature. Writing and editing are emphasized.

Prerequisites: 2.60 GPA. HDF 415; formal admission to HDFS major.

HDF 450 Professional Experience in Early Childhood 3,6

Supervised professional experience for students working with children in early childhood settings.

Prerequisites: C or better in HDF 420, HDF 440. HDF 315 or SES 315, HDF 341 or SES 341, HDF 425 or SES 425, HDF 435 or SES 435; TED 516; 2.70 GPA; formal admission to HDFS major and permission of instructor required.

HDF 455 Current Developmental Theory and Research 3

Seminar designed to examine current issues in development. Emphasis placed on current research literature, theories, and applications across the lifespan. Writing and editing are emphasized.

Prerequisites: GPA 2.60. HDF 415; formal admission to HDFS major.

HDF 460 Supervised Student Teaching 9

Supervised student teaching in an infant and/or toddler, preschool, or kindergarten setting under direction of a cooperating teacher with university supervision.

Prerequisites: Completion of KIN 342. grade of C or better in HDF 315 (or SES 315), HDF 341 (or SES 341), HDF 420, HDF 425 (or SES 425), HDF 435 (or SES 435), HDF 436 (or SES 436), HDF 440, and TED 516; 3.0 GPA; HDFS major; permission of instructor; admitted to the Teacher Education Program.

Corequisites: HDF 461.

HDF 461 Student Teaching Seminar 3

The Student Teaching Seminar course is designed to accompany the student teaching experience. The foci of the Seminar will be to prepare students to complete all state licensure requirements including edTPA and to provide students facilitated opportunities to discuss their student teaching experiences as well as to prepare students for the educational job market.

Prerequisites: Completion of KIN 342. grade of C or better in HDF 315 (or SES 315), HDF 341 (or SES 341), HDF 420, HDF 425 (or SES 425), HDF 435 (or SES 435), HDF 436 (or SES 436), HDF 440, and TED 516. 3.0 GPA; HDFS major; permission of instructor; admitted to the Teacher Education Program.

Corequisites: HDF 460.

HDF 464 Advanced Family and Developmental Studies Seminar 3

In-depth study of selected topics in Human Development and Family Studies. Particular section content is determined by the instructor.

Prerequisites: 2.60 GPA. HDF 415; formal admission to HDFS major;

Notes: May be repeated once for a total of six (6) s.h. when topic varies.

HDF 468 Diversity in Inclusive Early Care and Education 3

In-depth analysis of the issues, challenges, and recommended practices related to effectively serving diverse populations of young children and their families in inclusive early care and education settings.

Prerequisites: HDF 450 or HDF 460. 2.60 GPA; formal admission to HDFS major or permission of instructor required;

Notes: Same as SES 468.

HDF 470 Leadership in Early Education 3

Identifying characteristics of leaders and effective leadership styles and how these can be applied in early care and education. Prepares students to advocate best practice in a community-based environment.

Prerequisites: HDF 450 or HDF 460. 2.60 GPA; formal admission to HDFS major required or permission of instructor.

HDF 477 Professional Development in HDFS 3

Development of professional skills and exploration of careers related to individuals and families.

Prerequisites: 2.60 GPA. formal admission to HDFS major required.

HDF 482 Administration of Dependent Care Programs 3

Major areas of planning and administering dependent care programs, including programming, scheduling, reporting, financing, housing, equipping, staffing, and working with families.

Prerequisites: Formal admission to HDFS major required and 2.60 GPA.

HDF 499 Supervised Professional Experience 1-6

Supervised professional experience in selected commercial or industrial organizations, public or private agencies.

Prerequisites: 2.60 GPA. HDF 477; formal admission to HDFS major required; permission of instructor;

Notes: May be repeated for up to six (6) s.h.

HDF 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HDF 601 Directed Individual Study in Human Development and Family Studies 1-6

Prerequisite: 6 semester hours of HDF graduate courses and permission of instructor.

HDF 602 Special Topics in Human Development and Family Studies 2-4

Designated special topics such as Child Care Administration, Parent Education, Practicum, Child Guidance.

Notes: May be repeated for credit.

HDF 603 Research Laboratory Practicum in Human Development and Family Studies 1

Supervised practicum experiences in planning, designing, and implementing research investigations in the field of human development and family studies.

Notes: Students must obtain approval of a supervising graduate faculty member before registering. May be repeated for credit. credit cannot be used to meet minimum hour requirements of a degree program. Grade: Satisfactory/Unsatisfactory (S/U).

HDF 606 Preschool-Kindergarten Learning in Inclusive Settings 4

In-depth exploration of the principles of early childhood care and education and learning strategies for preschool/kindergarten children with and without disabilities. Field placements in BK setting are required.

Prerequisites: Admission to BKISED degree program and SES 601.

Notes: Same as SES 606.

HDF 607 Infant-Toddler Learning in Inclusive Settings 4

An examination of development in infancy and toddlerhood and strategies for facilitating very young children's growth and learning in early childhood care and educational settings. Field placement required.

Prerequisites: HDF or SES major or permission of instructor.

Notes: Same as SES 607.

HDF 633 Advanced Curriculum in Early Childhood Education 3

Examination of theoretical and developmental foundations of early childhood curriculum approaches, including critique of accepted early childhood practices, action research, and published research in curriculum and program effectiveness.

HDF 634 Contemporary Issues in Early Childhood Policy 3

Analysis of how federal, state, and local policies impact early childhood programs, early childhood professionals, children, and families.

HDF 636 Leadership and Mentoring in Educating Young Children 3

Examination of advanced leadership, mentoring, lifelong learning, and teaching skills for those who develop and implement early childhood programs.

HDF 640 Professional Seminar 1

Conceptual and methodological perspectives of multidisciplinary study in the field of human development and family studies. Required of all first-year master's and doctoral students.

HDF 650 Theory and Research in Early Childhood 3

Examination of theory and current research pertaining to the development of children from birth through kindergarten within the context of the family, community, and larger society.

Prerequisites: ERM 604 and SES 601.

HDF 651 Contemporary Research in Human Development 3

Examination of contemporary research findings in the field of human development.

HDF 652 Theories of Human Development 3

Survey of selected theories of individual development.

HDF 653 Contemporary Research in Family Studies 3

Examination of contemporary research findings in the field of human development.

HDF 655 Family Theory 3

Theories that relate to studying families; linking conceptual ideas, theorizing, and research examples relevant to families.

HDF 656 Race, Class, and Culture 3

Examination and application of theory and research related to racial/ethnic, social class, and cultural issues; self-awareness and cultural competence are emphasized.

Prerequisites: HDF 651, 652, 653 or 655 or permission of instructor.

HDF 661 Professional Seminar II 1

Professional activities and ethical responsibilities of university teachers and research scholars; professional writing, peer-review, extramural funding, and research practices with human subjects.

Notes: Core requirement for MS and PhD degrees.

HDF 696 Supervised Professional Experience in Human Development and Family Studies 1-6

Supervised professional experience in selected commercial or industrial organizations, public or private agencies. Completion of a major project or activities appropriate to the goals of the agencies.

Prerequisites: Permission of instructor.

HDF 699 Thesis 1-6

Prerequisite: Permission of instructor;

Notes: Required of all candidates for the Master of Science degree. Credit may be divided over two or more semesters.

HDF 703 Contemporary Topics in Human Development and Family Studies 3

Advanced study of designated contemporary topics in Human Development and Family Studies.

Prerequisites: Doctoral standing or permission of instructor.

Notes: May be repeated for credit.

HDF 713 Social and Emotional Development 3

Integrates theory and research focusing on social-emotional growth across the lifespan. Importance of peer and family relations in personality development; social and emotional competence and adjustment difficulties.

Prerequisites: HDF 651 (or HDF 650) and HDF 652, or permission of instructor.

Notes: Same as PSY 715.

HDF 714 Intellectual Development in Young Children 3

Current theories and recent research on intellectual development from infancy through middle childhood; language acquisition, thinking, conceptual representation, learning, memory, and perceptual development.

Prerequisites: HDF 651 (or HDF 650 or HDF 654), HDF 652, or permission of instructor.

HDF 716 Seminar in Adolescence 3

Integrates theory, research, and practice focusing on dimensions of normative and problematic adolescent development within its ecological contexts.

Prerequisites: HDF 651 (or HDF 650) or permission of instructor.

HDF 721 Seminar in Parent-Child Relations 3

Synthesizes theoretical perspectives and current research on parent-child relations. Topics include: links between parenting and child outcomes, determinants of parenting, links between parenting and adult development/relationships. Integrates applied implications.

Prerequisites: HDF 651, HDF 652, and HDF 653. or permission of instructor.

HDF 723 Divorce, Remarriage, Cohabitation 3

Integrates theory and research focusing on variations within and changes to family structures and processes (e.g., communication, intimacy, conflict management). Sociocultural variations within and across groups.

Prerequisites: HDF 653, HDF 655 or permission of instructor.

HDF 725 Psychobiology of Human Development and Family Processes 3

This seminar will focus on recent theoretical and empirical work on the genetic, physiological, and neural processes that play a role in human development and family functioning.

Prerequisites: HDF 651 (or HDF 650) and HDF 652, or permission of instructor.

HDF 726 Close Relationships in Adulthood 3

Interdisciplinary introduction to close relationships in adulthood, including the major theoretical perspectives scholars use to examine close relationships, the methods researchers employ, and the substantive foci that characterize the field.

Prerequisites: HDF 653 or HDF 644 or permission of instructor.

HDF 730 Cross-Cultural Perspectives on Child Development 3

Examines how culture influences children's development and also is influenced by members of that culture.

HDF 745 College Teaching in Human Development and Family Studies 2

Introduction to college teaching through observation and exploration of issues for beginning teachers. Students are assigned to work with graduate faculty members.

Prerequisites: 2nd year master's student and above.

Notes: May be repeated with a different member of the graduate faculty.

Grade: Satisfactory/Unsatisfactory (S/U).

HDF 750 Professional Seminar III 1

Job search methods and strategies in human development and family studies for doctoral students.

Prerequisites: HDF 640, HDF 661.

HDF 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HDF 756 Advanced Research Design in Human Development and Family Studies 3

Methods and designs of research with individuals and families from problem specification, data collection and reduction, to data analysis.

Prerequisites: HDF core requirements and two graduate statistics courses or permission of instructor.

Notes: Core requirement for PhD degree.

HDF 765 College Teaching Practicum in Human Development and Family Studies II 3

Supervised experiences in planning, teaching, and evaluating a college-level course.

Notes: Student must obtain the approval of a supervising graduate faculty member before registering. May be repeated with a different member of the graduate faculty.

HDF 790 Independent Doctoral Research 1-6

Individual work on problems related to the student's primary area(s) of specialization. Work may consist of empirical research or of critical reviews and integrations of existing literature.

HDF 799 Dissertation Problem 1-12

Required of all candidates for the Doctor of Philosophy degree.

Prerequisites: Permission of instructor.

Notes: Credit may be divided over two or more semesters.

HDF 801 Thesis Extension 1-3

Thesis Extension.

HDF 802 Dissertation Extension 1-3

Dissertation Extension.

HDF 803 Grad Resrch Proj Ext 1-3

Research Extension.

Liberal Studies (BLS)

BLS 300 Seminar in Humanities 3

Interdisciplinary online seminar designed to introduce students to substantive concerns in the Humanities and methods of investigation they employ. Topics vary by semester.

Notes: May be repeated for credit when topics vary.

BLS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

BLS 301 Pathways: Reading and Writing in the Humanities 3

Introduction to different modes of enquiry that make up the Humanities: Literature, Fine Arts, Philosophy/Religion/Ethics, and History. Emphasis on the development of academic skills in an online learning environment.

BLS 320 Selected Topics: Literature 3

Online course that examines selected topics in world literature exploring works of prose and/or poetry from diverse cultural traditions and periods. Topics vary by semester.

Notes: May be repeated for credit when topics vary.

BLS 321 Reading and the Human Experience 3

Exploration of individual experience, interpersonal relationships, and cultural identity through the reading and critical analysis of works of short fiction from the 19th through the 21st centuries.

BLS 322 Revolutionary Lives 3

Examination of 19th–20th century Russian novels of conscience within their historical contexts and as related to the broader struggle between authority and conscience throughout history.

BLS 323 Contemporary Short Stories 3

Examination of the contemporary short story as a literary art form and as a reflection of the human experience. Includes both critical/analytical and creative writing assignments.

BLS 325 Mystery, Mayhem, and Murder 3

Examination of mystery and detective fiction from British and American authors throughout the history of the genre. Considers theory about narrative and mystery, and genre fiction as social commentary.

BLS 326 Telling Stories: The Memoir 3

Examination and analysis of contemporary book-length memoirs, personal memory essays, and self-portrait paintings; includes some creative writing.

BLS 327 Contemporary Asian Literature 3

Exploration of novels by major authors from South Asia and East Asia in the last half century. Examines cultures and politics, and relationships with the Western world.

BLS 340 Selected Topics: Fine Arts 3

Online course that examines selected topics in the fine arts exploring the aims and methods of artistic expression and the role of cultural traditions and artistic values in human society.

Notes: May be repeated for credit when topics vary.

BLS 342 Painting on the Page 3

Studies literary texts about works of Western art; explores the relationship between the interpretation of pictures and written texts, and considers questions about art, beauty, truth, and aesthetic experience.

BLS 343 Big Plays, Big Ideas 3

Examines great plays, classic to modern, that grapple with significant issues and ideas, and illuminate the human experience on the page and on the stage.

BLS 345 Photography: Contexts and Illusions 3

Examines the history, theory, and contexts of photography since its development. Explores uses and abuses of photography in science, art, and media; examines how photography crosses and confuses visual genres.

BLS 346 The Art of Life 3

Explores the relationship between the creative arts and human values, ideas, and emotions. Theme of "getting lost" in the creative process, which leads to discovery and insight—the accidental masterpiece.

BLS 347 Shakespeare Off the Page 3

Examines a selection of Shakespeare's major plays not only as universal and timeless works of literature, but as blueprints for live theatre productions and film performances for modern audiences.

BLS 348 Representing Women 3

Focuses on women as producers, consumers, and subjects of visual culture. Examines the Feminist art movement, Feminist critiques of popular culture, and the significance of visual representation to political representation.

BLS 360 Selected Topics: Philosophy/Religion/Ethics 3

Online course that examines selected topics in philosophy, religion, and ethics; compares assumptions, modes of thought, and attendant practices, and analyzes their effects on behavior and human society.

Notes: May be repeated for credit when topics vary.

BLS 361 American Dreams 3

Study of the "American Dream," its origins and historical development through its contemporary relevancy. Themes include freedom, immigration, nationalism, commercialism, class in America, the Dream's corollary: the American Nightmare.

BLS 362 Vice, Crime, and American Law 3

An examination of the moral concept of "vice" and its application in American criminal law. Topics include gambling, prostitution, pornography, drugs, hate speech, and laws prohibiting gay marriage.

BLS 363 Ethics and Technology 3

An examination of ethical problems created by technology. Additional emphasis given to the historical, legal, and cultural impacts technology has had on our society.

BLS 364 Mystics in America 3

Investigation of popular trends in contemporary American spirituality with attention to the historical roots that may or may not lie behind them.

BLS 365 Divided We Stand 3

Exploration of the relationship between religion and democracy in America. Topics include religion in the nation's founding, America as a secular state, religious pluralism, and religion in public discourse.

BLS 366 Life, Death, and Meaning 3

An examination of philosophical writings concerning death and the meaning of life. Plays, poems, art, literature, and films that apply or illustrate the philosophical works are also examined.

BLS 380 Selected Topics: Historical Perspectives 3

Online course that examines selected topics in history and explores the context of events (social structure, economics, political systems, culture, or beliefs) in a specific region and period.

Notes: May be repeated for credit when topics vary.

BLS 381 Old Europe/New Europe 3

Interdisciplinary cultural history of Europe from the French Revolution to the present. Introduction to key historical figures, cultural movements, and artistic developments.

BLS 382 The Sixties 3

Exploration of the cultural and political changes in American society during the 1960s and early 1970s.

BLS 383 Religious Resistance to Political Power 3

Explores religious resistance to atheist Soviet doctrine within the Soviet Union itself, in Communist Poland, and in Soviet-occupied Afghanistan. Examines relationships between religion and society in each context.

BLS 384 Great Trials in American History 3

Explores changes in American culture, society, and legal customs through the study of specific trials throughout American history, from the colonial period through the twentieth century.

BLS 385 American Motherhood 3

Examines representations of motherhood throughout American history in the media and in scholarly and creative literature. Explores the mothering experiences of women of different races, classes, and generations.

BLS 386 Women, War, and Terror 3

Examines women as victims and critics of war and terror in the 20th century, primarily through autobiographical writings, and explores broader questions of gender, language, power, and resistance.

BLS 400 Senior Seminar in the Humanities 3

Online, capstone experience for majors. Students compile Web portfolio of work from classes in the major. Course serves as a method of assessment for majors.

Prerequisites: Admission to major.

BLS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

BLS 401 Individual Study 1-3

Directed program of reading and/or research in the humanities. Available to majors upon recommendation of an instructor and approval of the program directors.

Prerequisites: Admission to major. successful completion of one semester of course work at UNCG; permission of an approved, cooperating instructor.

Informatics and Analytics (IAF)

IAF 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

IAF 601 Introduction to Data Analytics-Methods and Approaches 3

Managing, manipulating, and analyzing structured/unstructured data to understand relationships and generate useful insights. Principles such as programming for analytics, data visualization, statistical modeling, database design, high performance computing are discussed.

Prerequisites: Programming and statistics experience (Permission of Instructor Required).

IAF 602 Statistical Methods for Data Analytics 3

This course introduces fundamental statistical techniques for data analytics such as hypothesis testing, data transformation, estimation, confidence intervals, regressions models, ANOVA, multivariate analysis, non-parametric methods, and design of experiments.

IAF 603 Preparing Data for Analytics 3

Students are exposed to current approaches, techniques and best practices for collecting, cleaning and normalizing data, processing, storing, managing, securing and preparing structured and unstructured big data sets for analytics.

IAF 604 Machine Learning and Predictive Analytics 3

This course is an introduction to machine learning and predictive analytics for Big Data. Some key components include deep learning, supervised, unsupervised models, regression, inductive learning, and time series analysis.

Prerequisites: Grade of C or better in IAF 601 and IAF 603 or permission of instructor.

IAF 605 Data Visualization 3

Data are analyzed to answer questions. Students are exposed to concepts and techniques to understand analytics results and appropriately infer relationships to answer questions and visualize results using contemporary techniques.

Prerequisites: IAF 601, IAF 603, or permission of instructor.

IAF 606 Solving Problems with Data Analytics 3

This course addresses how data analytics is used to solve applied problems in varied contexts. Students will learn how to choose appropriate methodologies, manage data, conduct analyses and report results.

Prerequisites: IAF 601, IAF 602, or permission of instructor.

Info Sys and Operations Mngmt (ISM)

ISM 110 Business Computing I 3

Develops skills using microcomputer applications including electronic mail, word processing, graphics, spreadsheets, and network functions.

Notes: Open to freshmen and other students seeking an introduction to computer usage.

ISM 116 Web Design and Development 3

Students learn skills needed to design effective Web pages by studying the best practices in website design.

Prerequisites: C or better in ISM 110 or equivalent.

ISM 201 Essentials of Cyber Security 3

This course provides an overview of cyber security essentials. Any loss of data or compromise devastates a corporation. This course covers essential aspects of cyber security management.

Prerequisites: ISM 110. Restricted to students who are Pre admitted to or admitted to majors in the Business School (PACC, ACCT, PBAD, BADM, CARS, ECON, ECOS, PENT, ENTR, PFIN, FINC, PINT, INTB, PISC, ISSC, PMKT, MKTG, or PSTH, STHP).

ISM 210 Business Computing II 3

Advanced techniques in the use of microcomputer applications, including desktop publishing, spreadsheets, database systems, and linkages between applications. Study of how end user applications are managed and contribute to business.

Prerequisites: Grade of C or better in ISM 110 or equivalent and one of the following: MAT 112, MAT 115, MAT 150, STA 108. or permission of instructor.

ISM 218 Database Systems 3

Study of database management systems including their design, implementation, query and use. Includes an extensive case study requiring the development of a multiple table database system for organizational needs.

Prerequisites: Grade of C or better in ISM 110.

ISM 240 Business Programming I 3

Introduction to the planning and creation of computer programs for solving business-related problems. Emphasis on problem analysis and structured programming techniques. Students utilize a procedural programming language.

Prerequisites: MAT 115 or higher, and Grade of C or better in ISM 110 or equivalent, ISSC major.

ISM 280 Information Systems in Organizations 3

Fundamentals of information systems needed to achieve organizational, operational, informational, technological, managerial, and innovative functions are discussed. Evolving role of information systems in achieving and maintaining competitive advantage is evaluated.

Prerequisites: ISM 110 or equivalent.

ISM 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ISM 301 Systems and Process Analysis 3

Focuses on systems and process concepts such as automation boundaries, feasibility assessments, performance measures, information modeling, process reengineering, quality, and value added. Course emphasizes analysis methodologies.

Prerequisites: C or better in ISM 280. ISSC major.

ISM 310 Business Programming II 3

Study of advanced procedural software structures such as multidimensional arrays and tables, indexed file processing, and interactive processing. Introduction to object oriented software structure such as class definitions, object instances, and class methods.

Prerequisites: C or better in ISM 240.

ISM 324 Secure Networked Systems 3

Networking and telecommunication concepts are described. Technical and organizational activities for securing distributed systems are presented. System security and information assurance methodologies, procedures and best practices are studied.

Prerequisites: Grade of C or better in ISM 201. Restricted to IS majors and Information Technology minors only.

ISM 325 Topics in Applications Development 1-3

Study of specific application development environments and development tools to support business application development.

Prerequisites: ISSC Major.

ISM 326 Ethical Hacking 3

Ethical hacking is presented as a process of intentionally attempting to hack a computer system to understand potential vulnerabilities that a malicious hacker could exploit and find ways to mitigate them.

Prerequisites: ISM 201 and ISM 280. Admission to ISSC major.

ISM 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ISM 411 Undergraduate Internship in Information Systems 1-3

This course provides students with the opportunity to apply classroom knowledge and skills to a business situation and develop new work management skills and understandings.

Prerequisites: Admission to the ISSC major and approval of instructor.

Notes: May be repeated for credit for a maximum of 6 s.h.

ISM 425 Business Analytics 3

Study of the techniques and methods of business analytics, including gathering, processing and analyzing large volumes of data to generate insights that inform business decisions.

Prerequisites: ECO 250 and either ISM 218 or ACC 325. ISSC Major or ACCT Major.

ISM 452 Design of Management Information Systems 3

Development of cost effective computer-based systems to produce information needed for managerial decision making as specified in the information analysis phase.

Prerequisites: C or better in ISM 218 and ISM 240. Any two of the following courses: ISM 301, ISM 310, ISM 324, ISM 326, ISM 411, ISM 425, or SCM 260; ISSC major.

ISM 498 Independent Study 1-3

Individual study of issues or problems in information systems and/or supply chain management. Student must arrange time and course requirements with instructor prior to registration.

ISM 499 Problems in Information Systems and Supply Chain Management 3

Independent study and research with class discussion covering a topic or group of related topics of current interest in information systems and/or supply chain management.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit with approval of Department Head.

ISM 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ISM 613 Directed Studies 1-3

Individual study problems in the field. Regular conferences with instructor required.

Prerequisites: Permission of MSITM Program Director and instructor who will supervise study.

ISM 645 Principles of Predictive Analytics 3

Predictive analytics are iteratively generated by analyzing and exploring enterprise data to predict relationships and generate insights for organizations. Principles, models, and methods of predictive analytics are discussed.

ISM 646 Visualizing Data to Design Strategy 3

Data are analyzed to answer questions. Students are exposed to concepts and techniques to understand analytics results and appropriately infer relationships to answer questions and visualize results using contemporary techniques.

ISM 647 Cognitive Computing and Artificial Intelligence Applications for Business 3

Cognitive computing and artificial intelligence based applications are increasingly employed by businesses to generate insight from data. Students are introduced to principles, techniques, and models for developing these systems.

ISM 665 Principles of Cyber Security 3

Study of the technical, managerial, and organization issues in systems security, including systems security models, analysis of business process and technology for systems security, and information assurance.

ISM 666 Blockchains and Cryptography 3

Evaluate strategies to protect data, including cryptographic systems and their use in real world applications. Examine latest developments in blockchains and their role in security and data management.

ISM 667 Global Cyber Threat Analysis 3

The course focuses on evaluating global cyber threats because of cyber weapons, cyber warfare, and other criminal activities. The course also evaluates defensive strategies and necessary capabilities to combat threats.

ISM 670 IT Driven Disruptive Innovation Management 3

Examines the role of disruptive and emerging IT in reshaping business models, strategy, economies, and society by fueling disruptive product and process innovation. Explores processes and governance for IT-driven disruptive innovation.

ISM 671 Organizing Data for Analytics 3

Fundamental concepts of database management systems, including database design, implementation, and the use of the SQL query language.

ISM 672 App Design and Programming 3

Apply fundamental programming concepts in designing and implementing applications for the Web. This course provides students the necessary foundations for developing Web Applications and evaluating entrepreneurial opportunities.

ISM 673 Designing Secure Computer and IoT Networks for Business 3

Technology related to internal and external network/telecommunication services. Managerial and business issues related to the identification, acquisition, and management of network/telecommunications services in the contemporary enterprise.

ISM 677 Information Systems Management 3

Examines the role of information technology to improve processes and business performance, analyze the interaction of business strategies, work processes, competitive markets, technology and people for effective IT management.

ISM 678 Project Management for Dynamic Environments 3

Modern methods of defining, planning and executing large IT and other projects. Computer software and network modeling are used to support the efficient scheduling of interdependent activities.

Notes: Students may not earn credit for both ISM 654 and 678.

ISM 688 Projects in Business Analytics 3

A capstone experience in which the students demonstrate a broad knowledge of Business Analytics by undertaking hands-on projects with realistic data.

ISM 695 Special Topics in IT 1.5

Specific course title identified each time the course is offered. Selected topics will address contemporary issues in information technology and its management.

Prerequisites: Admission to MSITM degree program and permission of MSITM Program Director.

Notes: Course may be repeated for credit when topic varies.

ISM 696 Organizational Internship 1-3

Academic and required work components allow students to gain organization experience. Course supervised by a designated graduate faculty member and an organization manager.

Prerequisites: Permission of MSITM Program Director.

Notes: May be repeated for credit.

ISM 698 Project in Information Technology 3

Capstone experience in which the student demonstrates a broad knowledge of the material covered in the MSITM curricula by undertaking a project approved in consultation with the MSITM Program Director.

Prerequisites: Completion of at least 18 credits of required coursework for MSITM.

ISM 699 Thesis 1-6

An independent, theory-based inquiry in which a student applied knowledge and skills acquired to the scholarly study of information technology and management.

ISM 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ISM 753 Seminar in IS Planning, Management, and Global Issues 3

Research issues in IS planning management, and global information technology management. Topics include strategy formulation, tactics, process integration, business alignment, global environment, outsourcing, transborder dataflows, and cultural issues.

ISM 754 Seminar in Inter-Organizational Systems 3

Current research issues on organizational processes and inter-organizational linkages that are transformed by the emergence of general information technology and Internet based applications.

Prerequisites: ISM 677 or permission of PhD director.

ISM 755 Sem: Currnt / Emerg Info Tech 3**ISM 756 Seminar in Information Systems Behavioral Topics 3**

Issues in design, development, use and impact of information systems from a behavioral perspective. Topics include ethical, privacy, societal, decision support, user interface, system usability and training aspects.

Prerequisites: Permission of PhD Director.

ISM 782 Practicum in IS Teaching 1-3

Supervised teaching of an information systems (IS) course. Faculty mentor will guide in planning and delivery.

Prerequisites: Permission of PhD Director.

Notes: Course may be repeated for credit. Grade: Satisfactory/Unsatisfactory (S/U).

ISM 783 Organizational Research Internship 3-6

Organizational work and research in information systems in actual organization. Expose student to practical and relevant research problems. Supervised by designated faculty member and organization manager.

Prerequisites: Permission of PhD Director.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

ISM 785 Theories of Information Systems 3

Examines underlying theories in information systems research. Theories from organizational behavior, strategic management, economics, other disciplines inside and outside business, and IS will be discussed.

Prerequisites: Permission of PhD Director.

ISM 786 Introduction to Research and Frameworks in Information Systems 3

Provides an in-depth understanding of the research process. Topics include: IS frameworks and research methodologies, models, development, and evaluation.

Prerequisites: Permission of PhD Director.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

ISM 788 Seminar in IS Research Methods 3

Research process and various design elements for quantitative and qualitative research in information systems.

Prerequisites: STA 661, STA 662, and permission of PhD Director.

ISM 789 Research Seminar in Information Systems 1-3

Explores current and emerging research topics in information systems.

Prerequisites: ISM 786 or permission of PhD Director.

Notes: May be repeated for credit.

ISM 790 Independent Doctoral Research 1-6

Individual work on research issues related to the student's primary area(s) of specialization. Work may consist of original research and/or critical examination and integration of existing literature.

Prerequisites: Permission of PhD Director.

ISM 799 Dissertation 1-24

Prerequisite: Admission to candidacy.

ISM 801 Thesis Extension 1-3

Thesis Extension.

ISM 802 Dissertation Extension 1-3

Dissertation Extension.

ISM 803 Research Extension 1-3

Integrated Professional Stds (IPS)

IPS 275 Entrepreneurial Personal Branding 3

Students will have a better understanding of the entrepreneurial mindset, how to use entrepreneurship strategies personally, and how to best brand and uniquely market themselves.

Notes: Same as ENT 275 and HHS 275.

IPS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

IPS 301 Design Thinking 3

Design Thinking is a creative and pragmatic path to innovation. Students learn a human-centered approach to problem-solving, emphasizing experimental and collaborative learning and real-world applications.

IPS 302 Systems Thinking 3

Overview of theory and processes commonly used to apply systems thinking approaches to addressing complex problems across disciplines, including arts and health. A case study approach facilitates this process.

IPS 303 Understanding Data 3

Students learn to identify, analyze, use, and interpret data to solve problems and make decisions. Interactive data activities, case studies, videos, lectures, and dialogue will facilitate student understanding.

IPS 304 Contemporary Media Literacies 3

Students learn theories of contemporary media literacy in order to interpret and create research products in multiple modes and situated in global contexts.

IPS 305 Global Awareness and Intercultural Competence 3

Interdisciplinary course designed to enhance students' global awareness by introducing them to contemporary global issues while increasing their intercultural competence.

IPS 306 Self-Awareness 3

Development of knowledge and skills to enhance personal success. Focus on self and other awareness and application to career and life goals.

IPS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

IPS 401 Selected Topics in Health and Wellness Occupations 3

Integration of six universal program competencies applied to the study of selected topics in health and wellness occupations.

Notes: May be repeated for credit when topic changes.

IPS 402 Selected Topics in the Changing Workplace 3

Integration of six universal program competencies applied to the study of selected topics in the changing workplace.

Notes: May be repeated for credit when topic changes.

IPS 403 Selected Topics in Service Occupations 3

Integration of six universal program competencies applied to the study of selected topics in service occupations.

Notes: May be repeated for credit when topic changes.

IPS 404 Selected Topics in Arts, Entertainment, and Media Occupations 3

Integration of six universal program competencies applied to the study of selected topics in arts, entertainment, and media occupations.

Notes: May be repeated for credit when topic changes.

IPS 405 Selected Topics in Other Occupations 3

Integration of six universal program competencies applied to the study of selected topics in other occupations such as education, technology, etc.

Notes: May be repeated for credit when topic changes.

IPS 410 Capstone 3

Integration of six universal program competencies applied to self-designed capstone project.

Prerequisites: IPS 301, IPS 302, IPS 303, IPS 304, IPS 305, IPS 306.

Integrated Professional Studies major.

Integrated Studies Lab (ISL)

ISL 102 Research, Discovery, and Inquiry 1

Through project-based research on real world situations, students gather and evaluate information, make connections among diverse perspectives, and develop global awareness, capacity for active citizenship, and lifelong learning skills.

Prerequisites: Enrollment in a Learning Community.

Notes: May be repeated once for credit, based on course pair theme.

ISL 104 Service, Reflection, and Inquiry 1

Through hands-on service projects, students learn to: collaborate, gather, and evaluate information; make connections among diverse perspectives; develop global awareness, capacity for active citizenship, and skills for lifelong learning.

Prerequisites: Enrollment in a Learning Community.

Notes: May be repeated once for credit.

Interior Architecture (IAR)

IAR 101 Environmental Design I 4

Studio investigations of space design at small scale while exploring properties of basic materials. Development of conceptual thinking.

Prerequisites: Admission to the Interior Architecture Program or permission of the instructor.

Corequisites: IAR 110.

IAR 102 Environmental Design II 4

Studio investigations of space design at small scale while exploring properties of basic materials. Development of conceptual thinking.

Prerequisites: IAR 101.

Corequisites: IAR 112.

IAR 110 Design Visualization I 2,3

Study and application of basic drawing processes for the purpose of enhancing perceptual awareness and developing visual communication and analysis skills.

Prerequisites: IARC major.

Corequisites: IAR 101.

IAR 112 Design Visualization II 3

Continued directed drawing experiences intended to extend basic visual communication skills into compositional principles, color theory and application, technical drawing systems and techniques, and industry standards.

Prerequisites: IAR 110.

Corequisites: IAR 102.

IAR 124 Introduction to Sustainable Design 3

This course will provide an overview of sustainable design and the various systems that contribute to it, including the building arts, business, logistics, manufacturing, and energy production.

GE Core: GPR

IAR 201 Basic Environmental Design III 6

Studio investigations of spaces as articulated by the interaction of individual and place. Emphasis placed on cognitive understanding of design process, light and color, construction systems, and ongoing study of materials.

Prerequisites: IAR 102.

Corequisites: IAR 211.

IAR 202 Basic Environmental Design IV 6

Studio investigations of spaces as articulated by the interaction of individual and place. Emphasis placed on cognitive understanding of design process, light and color, construction systems, and ongoing study of materials.

Prerequisites: IAR 201.

Corequisites: IAR 212.

IAR 211 Visual Communication I 2

Two- and three-dimensional visual studies related to conceptual and definitive aspects of design process. Exercises aimed at developing a mastery of both technical and non-technical methods of visual communication.

Prerequisites: IARC major. IAR 112;

Corequisites: IAR 201.

IAR 212 Visual Communication II 2

Two- and three-dimensional visual studies related to conceptual and definitive aspects of design process. Exercises aimed at developing a mastery of both technical and non-technical methods of visual communication.

Prerequisites: IARC major. IAR 211;

Corequisites: IAR 202.

IAR 221 History and Theory of Design I 3

Survey of design forms evolved in response to humankind's needs for community, architecture, furnishings, and artifacts, with development from prehistoric to modern eras in cultural, political, and technological contexts.

GE Core: GFA

GE Marker: GL

IAR 222 History and Theory of Design II 3

Survey of design forms evolved in response to humankind's needs for community, architecture, furnishings, and artifacts, with development from prehistoric to modern eras in cultural, political, and technological contexts.

GE Core: GFA

GE Marker: GL

IAR 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

IAR 301 Interior Architecture I 6

Studio investigations of increasingly complex spaces as articulated by the interaction of individual and place. Special emphasis on light, color, materials and structure as aspects of spatial design.

Prerequisites: IAR 202, IAR 212.

IAR 302 Interior Architecture II 6

Design investigations of spaces of increasing scale and complexity articulated by the interaction of individual and place. Special emphasis on social/behavioral aspects of interior architecture and responsibilities of designer to society.

Prerequisites: IAR 301.

IAR 311 Computer-Aided Design for Interior Architecture 3

Introduction to computer-aided design technology, historical context, and professional use in interior architecture and design. Use of CAD equipment and production of design drawings.

Prerequisites: IAR 212 or permission of instructor.

IAR 321 Design Thinking and/or Entrepreneurial Thinking 3

Theories and applications of design thinking and entrepreneurial thinking will be explored. Students interested in innovation and creativity with application ranging from regional to global in practice will benefit.

GE Marker: GL

Notes: Same as ENT 321.

IAR 331 Social and Behavioral Aspects of Interior Architecture 3

Introduction to literature and methods of environmental design research as it applies to interior environments.

Prerequisites: IAR 202 or permission of instructor.

IAR 332 Interior Architecture Materials 3

Study of materials used in interior architecture applications.

Prerequisites: IAR 201 or permission of instructor.

IAR 333 Interior Architecture Construction and Building Systems 3

Study of interior architecture construction methods, structural systems, and building mechanical systems.

Prerequisites: IAR 202 or permission of instructor.

IAR 334 Light and Sound 3

Study of light and sound as potential creative mediums to meet functional, sensory, and behavioral needs. Emphasis placed on experimentation with light and sound in relation to other design elements.

Prerequisites: IARC major. IAR 301 or equivalent; or permission of instructor.

IAR 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

IAR 401 Advanced Interior Architecture I 6

Advanced design problems having complex functional, social, and economic implications, with emphasis on problem identification, formulation, and design development.

Prerequisites: IAR 412 for undergraduates.

IAR 411 Interior Architecture III 6

Studio investigations of multi-function environments incorporating understanding of light, color, materials, structure, and technology. Emphasis on individual competence with respect to design process.

Prerequisites: IAR 302.

IAR 412 Interior Architecture IV 6

Studio explorations encompassing the full range of interior architecture scale and complexity. Emphasis on individual competence with respect to design process.

Prerequisites: IAR 411.

IAR 427 Problems in Interior Architecture 2-6

Individual study.

Prerequisites: Permission of instructor.

IAR 430 Introduction to Public Interest Design 3

An introduction to the social, economic, and environmental theories and practices that define Public Interest Design, using a literature review and case studies in interior design, architecture, city planning, product design, and other related disciplines.

Prerequisites: Junior standing or above. or permission of instructor.

IAR 432 Special Problems in Interior Architecture 1-4

Independent study of topics of special interest.

Prerequisites: Permission of instructor with whom student wishes to work.

Notes: May be repeated for credit up to maximum of 8 hours.

IAR 433 Interior Architecture Laboratory 1-3

Laboratory study with faculty to complete final phases of projects begun in previous semesters including the fabrication or prototyping of studio projects, preparation for design competition, or extended work with community partners.

Prerequisites: IAR 101.

IAR 434 Design Seminar 2

Investigation of current research and subjects of topical interest in environmental design.

Prerequisites: Permission of instructor.

Notes: May be repeated for a total of 4 hours credit.

IAR 435 Architectural Lighting Design 2

Study of architectural lighting design: uses and control of light, lighting fixtures, and lighting installation for desired effect.

IAR 436 History of Decorative Arts 3

Study of stylistic and cultural developments in the decorative arts with special concentration on America.

Notes: Same as HIS 436.

IAR 443 Historic Preservation: Principles and Practice 3

Change in historic preservation theory and practice since the 1800s with emphasis on preservation of built environment, and development of philosophical approach for designers to contemporary preservation projects.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as HIS 443.

IAR 447 History Museum Curatorship: Collections Management 3

Professional practices in the care and management of historic site and history museum collections, including principles of collection development, object registration, cataloging, and preservation.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as HIS 447.

IAR 448 Architectural Conservation 3

Overview of contemporary architectural conservation principles, practice and technology. Field exercises, group projects and investigation of an individual research topic expand upon lectures and readings.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as HIS 448.

IAR 451 Professional Practice in Interior Architecture 3

Investigation of business, legal, ethical aspects of professional practice in interior architecture by students, staff, and guest speakers.

Prerequisites: IAR 202.

IAR 452 Internship in Interior Architecture 3

The supervised internship provides practical work experience in which students' creative and technical experiences are applied within a project-based design environment.

Prerequisites: Third-year standing.

Notes: May be taken twice for a total of 6 s.h. credit.

IAR 453 History and Theories of Material Culture 3

Material culture as it has been defined and interpreted in the past by scholars from the disciplines of history, anthropology, geography, art history, psychology, linguistics, and archaeology.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

IAR 455 Field Methods in Preservation Technology 3

Intensive on-site fieldwork experience addressing issues of architectural conservation and historic building technology. Includes methods, techniques, and theories of preservation technology and accepted conservation practices.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as HIS 455.

IAR 460 Advanced Computer-Aided Design and Research Seminar 3

With specific attention to how computational tools affect interior architectural design decision-making processes, rigorous examination of their origins, evolution, applications, and significance will be undertaken.

Prerequisites: IAR 202, IAR 212, and IAR 222. or graduate standing; or permission of the instructor.

IAR 465 Materials and Methodologies Seminar 3

Investigation of materials, methods, and technologies for the design, fabrication, manufacturing, and production of products and components of interior architecture.

Prerequisites: IAR 333, or graduate standing, or permission of instructor.

IAR 499 International Field Studies in Interior Architecture 4-6

Investigation of international design contexts to be formulated in collaboration with faculty and undertaken through study abroad programs.

GE Marker: GL

IAR 501 Advanced Interior Architecture I 6

Advanced design problems having complex functional, social, and economic implications, with emphasis on problem identification, formulation, and design development.

Prerequisites: IAR 412 for undergraduates.

IAR 502 Advanced Interior Architecture II 6

Advanced design problems having complex functional, social, and economic implications, with emphasis on problem identification, formulation, and design development.

IAR 527 Problems in Interior Architecture 2-6

Individual study.

Prerequisites: Permission of instructor.

IAR 530 Introduction to Public Interest Design 3

An introduction to the social, economic, and environmental theories and practices that define Public Interest Design, using a literature review and case studies in interior design, architecture, city planning, product design, and other related disciplines.

Prerequisites: Junior standing or above. or permission of instructor.

IAR 532 Interior Architecture Laboratory 1-3

Laboratory study with faculty to complete final phases of projects begun in previous semesters including the fabrication or prototyping of studio projects, preparation for design competition, or extended work with community partners.

Prerequisites: IAR 101.

IAR 535 Architectural Lighting Design 2

Study of architectural lighting design: uses and control of light, lighting fixtures, and lighting installation for desired effect.

IAR 536 History of Decorative Arts 3

Study of stylistic and cultural developments in the decorative arts with special concentration on America.

Notes: Same as HIS 536.

IAR 540 Evolution of Furniture 3

A study of basic furniture forms—chairs, stools, tables, beds, chests—that follows a chronological route from Ancient Egypt to 21st-century Minimalism and examines changes in each historic period.

Prerequisites: ART 100 or IAR 222 or permission of instructor.

IAR 541 Contemporary Trends in Interior Product Design 3

Focusing on furniture, lighting, and textiles, the course studies trade events, showrooms, retailers, designers, and trade and consumer media all as forces shaping twenty-first-century trends.

Prerequisites: ART 100 or IAR 222 or permission of instructor. IAR 540 recommended.

IAR 543 Historic Preservation: Principles and Practice 3

Change in historic preservation theory and practice since the 1800s with emphasis on preservation of built environment, and development of philosophical approach for designers to contemporary preservation projects.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as HIS 543.

IAR 547 History Museum Curatorship: Collections Management 3

Professional practices in the care and management of historic site and history museum collections, including principles of collection development, object registration, cataloging, and preservation.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as HIS 547.

IAR 548 Architectural Conservation 3

Overview of contemporary architectural conservation principles, practice and technology. Field exercises, group projects and investigation of an individual research topic expand upon lectures and readings.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as HIS 548.

IAR 555 Field Methods in Preservation Technology 3

Intensive on-site fieldwork experience addressing issues of architectural conservation and historic building technology. Includes methods, techniques, and theories of preservation technology and accepted conservation practices.

Prerequisites: Admission to a graduate program in history or interior architecture, or permission of instructor.

Notes: Same as HIS 555.

IAR 560 Advanced Computer-Aided Design and Research Seminar 3

With specific attention to how computational tools affect interior architectural design decision-making processes, rigorous examination of their origins, evolution, applications, and significance will be undertaken.

Prerequisites: IAR 202, IAR 212, and IAR 222. or graduate standing; or permission of the instructor.

IAR 565 Materials and Methodologies Seminar 3

Investigation of materials, methods, and technologies for the design, fabrication, manufacturing, and production of products and components of interior architecture.

Prerequisites: IAR 333, or graduate standing, or permission of instructor.

IAR 600 Supervised Professional Experience 1-4

Supervised professional experience in selected commercial or industrial organizations, public or private agencies in accordance with the major course of study of the student. May be repeated for a maximum of 8 credits.

IAR 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

IAR 601 Directed Self-Study in Interior Architecture 1-6

Individual Study.

Prerequisites: Permission of instructor.

IAR 602 Advanced Interior Architecture III 6

Design issues or problems relevant to the individual student's concentration or area of specialization are explored in real or simulated studio projects.

Prerequisites: IAR 501 or IAR 502.

IAR 624 History of American Landscapes and Architecture 3

Examination of the social and cultural forces affecting the design and use of landscapes and buildings in North America from the colonial period through the mid-twentieth century.

Prerequisites: Admission to a graduate program in history or interior architecture or permission of instructor.

Notes: Same as HIS 624.

IAR 625 Preservation Planning and Law 3

Examination and analysis of the relationship of government programs and policies, community and regional planning strategies, and legal case precedents to the field of historic preservation.

Prerequisites: Admission to a graduate program in history or interior architecture or permission of instructor.

Notes: Same as HIS 625.

IAR 626 The Practice of Public History 3

Basic principles in the administration of museums, historic sites, and other cultural resources. Subjects include fundraising, personnel and volunteer management, working with board members, and museum law and ethics.

Prerequisites: Admission to a graduate program in history or interior architecture or permission of instructor.

Notes: Same as HIS 626.

IAR 627 Museum and Historic Site Interpretation: Principles and Practice 3

Theory and practice of interpreting history to the public in the context of museums and historic sites. Topics include exhibit planning and technologies, living history, research methods, and audience evaluation.

Prerequisites: Admission to a graduate program in history or interior architecture or permission of instructor.

Notes: Same as HIS 627.

IAR 631 Environmental Design Research 3

Advanced skills for identifying research questions and methods for accomplishing research in the environmental design field. Design research project is planned. Emphasis on research process including problem identification, literature review, data collection, and analysis.

IAR 645 Seminar in Interior Architecture 3

Introduction to basic research methodologies and examination of contemporary research questions and issues in interior architecture and related fields.

IAR 665 Problems in Interior Architecture 2-4

May be repeated for a maximum of 8 credits.

IAR 690 Internship 3

Supervised professional experience in selected museum, historic site, or other professional setting in accordance with the major course of study of the student. May be repeated for a maximum of 6 credits.

Prerequisites: At least 12 hours in history MA or interior architecture MS program and permission of Director of Graduate Study.

Notes: Grade: Satisfactory/Unsatisfactory, S/U. Same as HIS 690.

IAR 699 Thesis 1-6

Required of all candidates for the Master of Science in interior architecture.

Notes: Credit may be divided over two or more semesters.

IAR 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

IAR 801 Thesis Extension 1-3

Thesis Extension.

Interlink (ITL)

ITL 001 Communicatn (Aural/Oral) Skills 3

ITL 100 Reading and Writing Skills 3

ITL 101 Communicatn (Aural/Oral) Skills 3

ITL 200 Reading and Writing Skills 3

ITL 201 Communicatn (Aural/Oral) Skills 3

ITL 300 Reading and Writing Skills 3

ITL 301 Communicatn (Aural/Oral) Skills 3

ITL 400 Reading and Writing Skills 3

ITL 401 Communicatn (Aural/Oral) Skills 3

ITL 500 Reading and Writing Skills 3

ITL 501 Communicatn (Aural/Oral) Skills 3

International Programs Center (IPC)

IPC 300 Applied Leadership Skills for a Global World 3

Concepts and skills essential for developing personal leadership and cross-cultural competencies are introduced; development of self-awareness as a means of preparing to be successful in a world which is global.

Prerequisites: Admission to program.

Corequisites: IPC 310 and IPC 320 and IPC 330.

IPC 310 Contemporary Global Leadership Issues 3

Current issues in the global context with the application of leadership and personal efficacy theory and skills; topics such as sustainability, climate change, and crisis management will be explored.

Prerequisites: Admission to program.

Corequisites: IPC 300 and IPC 320 and IPC 330.

IPC 320 Internship 3

Students apply intercultural leadership skills at a successful U.S. based global company and reflect on experiences through class assignments. Requirements include 300 hours of employment in an approved training role.

Prerequisites: Admission to program.

Corequisites: IPC 300 and IPC 310 and IPC 330.

Notes: Grade: Pass/Not Pass (P/NP).

IPC 330 Special Topics 3

Topics of interest to those studying leadership for a global world and relevant to the student's concurrent training experience.

Prerequisites: Admission to program.

Corequisites: IPC 300 and IPC 310 and IPC 320.

Notes: Grade: Pass/Not Pass (P/NP).

IPC 999 One Way International 0

International Stu Exchange (ISE)

ISE 999 International Student Exchange 3-12

International/Global Studies (IGS)

IGS 200 Introduction to International and Global Studies 3

An interdisciplinary course introducing students to terms, concepts and approaches employed in discussing, analyzing, and responding to today's international and global issues, with an emphasis on the non-Western world.

GE Marker: GN

IGS 223 Foundational Topics in International and Global Studies 3

An intermediate-level course concentrating on foundational topics of international or global concern. Course content may grow out of issues explored in IGS 200 or IGS 210 or IGS 213.

IGS 295 Study Abroad for Global Engagement: Pre-Departure 1

First of three courses taken in conjunction with a UNCG Study Abroad Exchange. Focus on pre-departure basics, field study techniques, and goal setting for global engagement through cultural competency.

Prerequisites: Acceptance to a UNCG Study Abroad Exchange Program.

Notes: May be repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Special Programs in Liberal Studies: IGS major concentration requirements; Grade: Pass/Not Pass (P/NP).

IGS 296 Study Abroad for Global Engagement: Field Experience 1

Second of three courses taken in conjunction with a UNCG Study Abroad Exchange. Online individual study focusing on the field experience and appropriate engagement in international, intercultural, and/or multicultural contexts.

Prerequisites: IGS 295. Acceptance to a UNCG Study Abroad Exchange Program;

Notes: May be repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Special Programs in Liberal Studies: IGS major concentration requirements; Grade: Pass/Not Pass (P/NP); Same as SES 296, TED 296.

IGS 297 Study Abroad for Global Engagement: Re-Entry Reflections and Applications 1

Third of three courses taken in conjunction with a UNCG Study Abroad Exchange. Focus on the re-entry and re-acculturation processes and the integration of intercultural development into future contexts.

Prerequisites: IGS 296. Acceptance to a UNCG Study Abroad Exchange Program;

Notes: May be repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Special Programs in Liberal Studies: IGS major concentration requirements; Grade: Pass/Not Pass (P/NP); Same as SES 297, TED 297.

IGS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

IGS 333 Selected Topics: International and Global Studies 3

An advanced-level course concentrating on topics of international or global concern. Course content may grow out of issues explored in IGS 200 or IGS 210 or IGS 213.

Notes: May be repeated for credit as topic changes.

IGS 400 Capstone Seminar in International and Global Studies 3

End-of-major interdisciplinary seminar involving advanced examinations of contemporary international and global issues, the production of a substantial research project related to the student's concentration, and intercultural competence training.

IGS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

IGS 493 Honors Work 3

Prerequisite: Permission of instructor; permission of IGS director; minimum 3.30 GPA and 12 s.h. in the major;

Notes: May be repeated for credit for a maximum of 6 s.h. if the topic of study changes.

IGS 495 Individual Study 1-3

Directed program of individual study or research. Available to qualified students in collaboration with a qualified instructor and/or the IGS director.

Prerequisites: IGS 200 or IGS 210 or IGS 213. and permission of IGS director;

Notes: May be repeated for a maximum of 6 s.h.

Italian (ITA)

ITA 101 Beginning Italian I 3

Introduction to Italian with practice in hearing, speaking, reading, and writing. Supplementary instruction in the language laboratory.

GE Marker: GL

Notes: Students with previous knowledge of Italian are required to contact the assigned instructor to have their language skills assessed.

ITA 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ITA 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

ITA 418 Studies in Film Genre 3

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

Prerequisites: Permission of department.

Notes: May be repeated for credit when the topic varies. Same as FRE 462, SPA 462.

ITA 518 Studies in Film Genre 3

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

Prerequisites: Permission of department.

Notes: May be repeated for credit when the topic varies. Same as FRE 562, SPA 562.

Japanese Studies (JNS)

JNS 101 Elementary Japanese I 3

Introduction to the Japanese language and culture. Emphasis on basic writing systems (Hiragana, Katakana, Kanji), as well as on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

Notes: Students with previous knowledge of Japanese are required to meet with a designated faculty member. Students who are native or heritage speakers of Japanese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

JNS 102 Elementary Japanese II 3

Continued introduction to the Japanese language and culture. Emphasis on basic writing systems (Kanji), active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

Prerequisites: JNS 101.

Notes: Students with previous knowledge of Japanese are required to meet with a designated faculty member. Students who are native or heritage speakers of Japanese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

JNS 203 Intermediate Japanese I 3

First course in the intermediate-level study of the Japanese language and culture. Emphasis on the further acquisition of Kanji, active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

LEC: GFL

Prerequisites: Proficiency level: JNS 102.

Notes: Students with previous knowledge of Japanese are required to meet with a designated faculty member. Students who are native or heritage speakers of Japanese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

JNS 204 Intermediate Japanese II 3

Second course in the intermediate-level study of the Japanese language and culture. Emphasis on the further acquisition of Kanji, on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

LEC: GFL

Prerequisites: JNS 203.

Notes: Students with previous knowledge of Japanese are required to meet with a designated faculty member. Students who are native or heritage speakers of Japanese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

JNS 210 Current Topics Conversation 1

The course provides students with oral training for effective communication over current topics of global interest.

GE Marker: GN

Prerequisites: JNS 204 or permission of instructor.

Notes: May be repeated for up to three (3) semester hours.

JNS 220 Modern Japan 3

Introduction to Japanese culture and society. This course examines Japan's modern development through selected topics on modern history, society, and pop-culture including media culture, film, and literature.

GE Marker: GN

Notes: Taught in English.

JNS 230 Women in Japanese Literature and Film 3

The course focuses on various aspects of women's lives in modern Japanese society, providing an overview of modern Japanese society through representation of women's culture in literature and film.

GE Core: GLT

GE Marker: GN

Notes: Taught in English.

JNS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

JNS 301 Advanced Grammar and Conversation 3

Advanced language course that aims at improving students' communication skills in Japanese and enhancing their global awareness. The course work involves grammar retention drills, reading/writing assignments, and various speaking exercises.

GE Marker: GN

Prerequisites: JNS 204.

JNS 302 Third-year Japanese Language Conversation and Composition 3

The course is designed to improve students' communication skills through intensive lectures, grammar retention drills, and oral and writing exercises. Students deepen their understanding of cultural logics behind Japanese language.

GE Marker: GN

Prerequisites: JNS 301.

Notes: May be repeated for credit when topic varies.

JNS 305 Topics in Japanese Culture 3

Focus on Japanese civilization to improve linguistic and/or cultural proficiency. Taught in either English or Japanese.

GE Marker: GN

Notes: May be repeated for credit when topic varies.

JNS 306 Current Issues in Japan 3

The course focuses on current issues in Japan and non-traditional aspects of Japanese society. The course materials include literary texts, film, and other interdisciplinary materials. Taught in English.

GE Marker: GN

JNS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

JNS 499 Practicum 3

The course provides students with civic engagement opportunities. Students will deepen their understanding of the Japanese language, culture and society through service learning.

Kinesiology (KIN)

KIN 101 Beginning Volleyball 1

Development of fundamental skills, strategic elements, and knowledge of volleyball with opportunity for team play.

KIN 104 Beginning Basketball 1

Development of fundamental skills, strategic elements, and knowledge of basketball.

KIN 106 Beginning Soccer 1

Development of fundamental skill, strategies, and knowledge of soccer.

KIN 110 Ultimate 1

Development of fundamental skills, strategic elements, and knowledge of ultimate (ultimate Frisbee) with opportunity for team play.

KIN 115 Disc Golf 1

Development of fundamental skills, tactics and strategy, and knowledge of Disc Golf, with opportunity for competitive play.

KIN 130 Weight Training 1

Weight training with emphasis on principles, techniques, and development of individualized programs.

Notes: May be repeated once for credit.

KIN 131 Fitness Walking and Jogging 1

Designed for the beginner level student desiring to improve cardiorespiratory endurance through a graduated program from fitness walking through jogging. This course is not designed for already accomplished runners.

KIN 135 Fitness Running 1

Designed for the recreational runner striving to improve cardiorespiratory endurance, running mechanics, and program development knowledge. This course is designed for students who have a strong background in distance running (at least 5k).

KIN 140 Flag Football 1

Development of fundamental skills, tactics and strategy, and knowledge of flag football, with opportunity for competitive play.

KIN 150 Swimming for Non-Swimmers 1

Designed for students with a fear of the water who cannot swim.

KIN 151 Beginning Swimming 1

Development of fundamental swimming and safety skills; designed for students with little or no knowledge of strokes and limited deep water experience.

KIN 160 Experimental Course: Hatha Yoga 1

This is an all-level yoga class that focuses on breathing and foundational yoga poses. Modifications will be offered for all yoga poses, ensuring that all students are working at their individual level to hone their practice. Historical and current yoga philosophies will also be covered.

KIN 171 Beginning Badminton 1

Development of fundamental skills, strategic elements, and knowledge of badminton with opportunity for match play.

KIN 175 Beginning Tennis 1

Development of fundamental skills, strategic elements, and knowledge of tennis with opportunity for match play in singles and doubles.

KIN 180 Rock Climbing 1

Development of fundamental rock climbing skills including knot tying, belaying, anchor building, and climbing and bouldering technique.

KIN 201 Intermediate Volleyball 1

Extension and refinement of beginning level skills, strategies, and knowledge of volleyball. Emphasis on tactical elements of team play.

KIN 203 Fitness Swim 1

Emphasis on stroke efficiency and lap swimming for conditioning. Principles of conditioning, assessment and periodization are applied to swimming. Emphasis on improvement and maintenance of personal fitness.

KIN 204 Intermediate Basketball 1

Extension and refinement of beginning level skills, strategies and knowledge of basketball. Emphasis on tactical elements of team play.

KIN 206 Intermediate Soccer 1

Extension and refinement of beginning level skills, strategies and knowledge of soccer. Emphasis on tactical elements of team play.

KIN 214 Sports Performance: Racquet Sports 1

Skill development and analysis of racquet skills. Learning and application of physical education content in a developmental model.

KIN 217 Introduction to the Teaching of Physical Education 3

Nature of teaching physical education; emphasis on its relationship to total educational experience. First-hand experience working with learners of diverse backgrounds and ability, grades K through 12, in varied settings.

KIN 220 Lifetime Wellness 3

Evidence-based approach to understanding and applying scientific principles of wellness, fitness, and lifestyle management. Includes a personal wellness and/or fitness assessment and developing a plan for immediate and long-term improvement and maintenance.

GE Core: GNS

LEC: GLS

KIN 230 Psychological Skills for Optimal Performance 3

Overview of sport psychology principles applied to sport and exercise activities. Includes experience in psychological skills training.

KIN 231 Recreational Games 2

Analysis of the nature and categorization of a selection of recreational games across the lifespan, with emphasis on skill development and tactical decision-making.

KIN 250 Introduction to Kinesiology 3

Survey of the discipline of kinesiology. Analysis of the nature and importance of physical activity, knowledge base of the discipline, and careers in physical activity professions.

KIN 252 Low Intermediate Swimming 1

Extension of basic swimming and safety skills; must be comfortable in deep water.

KIN 263 Basic SCUBA 1

Development of fundamental skills, knowledge, and techniques of skin and SCUBA diving. Opportunity provided for open water training and final certification.

Notes: Additional fees for equipment rental and certification. must provide own mask, fins, snorkel, and booties.

KIN 263L Skin and SCUBA Diving Lab 0**KIN 264 Advanced SCUBA 2**

Extension of skills and knowledge beyond level of basic SCUBA diver, including familiarity with operation and maintenance of SCUBA equipment. Opportunities provided for specialty certifications.

Prerequisites: KIN 263 or equivalent and permission of instructor.

Notes: Additional fees for equipment rental, quarry use and certification. must provide own mask, fins, snorkel, and booties.

KIN 265 Strength Training and/or Conditioning 3

Lecture and/or lab course emphasizing the basic science underlying strength training and conditioning. Specific topics include program design, exercise techniques, strength, aerobic, speed and flexibility development, physical testing, and training adaptations.

Corequisites: KIN 265L.

KIN 265L Strength Training and/or Conditioning Laboratory 0

Lecture and/or lab course emphasizing the basic science underlying strength training and conditioning. Specific topics include program design, exercise techniques, strength, aerobic, speed and flexibility development, physical testing, and training adaptations.

Corequisites: KIN 265.

KIN 271 Intermediate Badminton 1

Extension and refinement of beginning level skills, strategies, and knowledge of badminton. Emphasis on tactical elements of match play.

KIN 272 Tae Kwon Do 1

Acquisition and development of the basic techniques and knowledge of Tae Kwon Do. Presented in the culturally correct form.

KIN 285 Motor Development 3

Lifespan analysis of motor skill development as a function of chronological age.

KIN 286 Foundations of Sport Coaching 3

Research and sport coaching skills will be explored as well as entrepreneurial learning theories and skills that allow coaches to develop their own coaching products for income/profit.

Notes: Same as ENT 286.

KIN 287 Coaching in Community-Based Sport Programs 3

Examination of community-based sport programs focused on the psychosocial dynamics of programs, their mission, cultural and economic representation of youth being served, staff, resources, and their influence on coaching effectiveness.

Prerequisites: Sport Coaching minor or permission of instructor.

KIN 291 Clinical Human Anatomy 4

In-depth anatomical examination of the human body for students seeking clinically-applied careers in Health and Human Sciences. Includes laboratory activities.

Prerequisites: A grade of C- or better in BIO 110 or BIO 111.

Corequisites: KIN 291L.

KIN 291L Clinical Human Anatomy Laboratory 0

In-depth anatomical examination of the human body for students seeking clinically-applied careers in Health and Human Sciences. Includes laboratory activities.

Corequisites: KIN 291.

KIN 292 Clinical Human Physiology 4

Introduction to basic concepts of human physiology at the cell, organ and systems levels with a focus on clinical applications related to physiological systems relevant to the allied health sciences.

Prerequisites: Minimum grade of C- in BIO 110 or BIO 111.

Corequisites: KIN 292L.

KIN 292L Clinical Human Physiology Laboratory 0

Introduction to basic concepts of human physiology at the cell, organ and systems levels with a focus on clinical applications related to physiological systems relevant to the allied health sciences.

Corequisites: KIN 292.

KIN 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

KIN 302 Movement Pedagogy for Elementary School Teaching 1.5

Introduction, for elementary school teaching majors, to physical activity and movement with a concentration on classroom curriculum integration.

Prerequisites: Junior or senior standing. Elementary Education majors.

KIN 307 Observation and Analysis of Fundamental Movement 3

Selected physical activities with special emphasis on movement observation and analysis. Fieldwork with children emphasized.

Notes: Professional liability insurance required.

KIN 330 Critical Analyses for a Physically Active Society 3

Analyses and critical perspectives on cultural events, resources, and moments affecting modern physical activity engagement in the U.S. and globally.

GE Core: GSB

Prerequisites: Junior standing.

KIN 340 Healthful Living Pedagogy for Elementary School Teaching 3

Introduction to teaching physical education in grades K-6. Designed for preservice classroom and physical education teachers. Student will work in field experiences.

Prerequisites: Junior or senior Physical Education and Health Teacher Education or Elementary Education major. or MA in Teaching students only;

Notes: Professional liability insurance required.

KIN 342 Teaching Motor Skills to Preschool Children 3

Strategies and techniques to enhance motor skill development of children ages 2–5 in the home, on the playground, and in the classroom. Field work with children emphasized.

Prerequisites: Junior or senior Human Development and Family Studies majors. Junior and senior Kinesiology students with permission of instructor.

KIN 351 History and Philosophy of Sport, Physical Activity, and Physical Education 3

Study of significant people, events, and institutions affecting the development of sport and exercise around the world. Analysis of major philosophic issues relating to sport and exercise.

KIN 352 Philosophy of Sport 3

Overview of philosophical concerns related to study of sport and sport experiences, examined with use of current sport philosophy literature.

KIN 353 Injuries and Illnesses in Physical Activity 3

Instruction in the prevention, recognition, and basic care of common injuries and illnesses that occur in a sport and exercise setting.

Prerequisites: KIN 291 (or BIO 271). Admission to Kinesiology or Physical Education and Health Teacher Education major or Pre-Physical Therapy or Pre-Occupational Therapy programs.

KIN 354 Curriculum and Teaching: Children's Physical Education 3

Planning and organizing for teaching and observation of movement in children's physical education. Special emphasis will be on philosophy, curriculum development, and selection of appropriate content for elementary students.

Prerequisites: Junior or senior Physical Education and Health Teacher Education major.

Notes: Professional liability insurance required.

KIN 356 Leadership and Collaboration 3

Examination of administrative considerations in conducting physical activity and athletic programs with emphasis on leadership, collaboration, and group dynamics.

Prerequisites: Kinesiology major. 2.50 GPA;

Notes: Professional liability insurance required.

KIN 370 Assessment and Evaluation in Kinesiology 3

Overview of assessment, evaluation, and research methods in kinesiology; emphasis on applications to professional practice.

Prerequisites: Sophomore standing.

KIN 374 Data Science in Kinesiology 1

This class is designed to introduce the concept of data science and how it applies to Kinesiology. Students will use common software to solve mathematical problems and visualize data.

Prerequisites: KIN 292 or BIO 277. Kinesiology major; junior standing.

KIN 375 Physiology of Sport and Physical Activity 4

Provides students with understanding of factors affecting the physiological function of the body related to exercise and physical performance. Laboratory provides experiences in evaluating these physiological factors.

Prerequisites: Grade of C or higher in KIN 291 (or BIO 271) and grade of C or higher in KIN 292 (or BIO 277). or permission of instructor; Admission to Kinesiology or Physical Education and Health Teacher Education or Nutrition major or pre-Physical Therapy or pre-Occupational Therapy programs;

Corequisites: KIN 375L.

KIN 375L Physiology of Sport and Physical Activity Laboratory 0

Laboratory supporting KIN 375.

Corequisites: KIN 375.

KIN 376 Biomechanics of Sport and Physical Activity 3

Anatomical and mechanical bases of physical activity with emphasis on the analysis of sport and exercise skills.

Prerequisites: KIN 291 (or BIO 271). Admission to Kinesiology major or Physical Education and Health Teacher Education major or Nutrition and Wellness concentration or pre-Physical Therapy or pre-Occupational Therapy programs; or permission of instructor.

KIN 379 Instructional Methods of Physical Activity 3

Designing and implementing exercise instruction techniques for individuals and groups.

Prerequisites: Sequence of KIN 265, KIN 220 (or sequence of KIN 120, KIN 130, KIN 220). or permission of instructor; Admission to Kinesiology major with Kinesiology concentration.

KIN 386 Motor Development and Learning 4

Life span analysis of motor skill development and learning.

Prerequisites: Admission to Kinesiology or Physical Education and Health Teacher Education major or pre-Physical Therapy or pre-Occupational Therapy programs.

KIN 388 Psychology of Physical Activity 4

Examination of the psychological theories and research related to physical activity with emphasis on application in sport and exercise settings.

Prerequisites: PSY 121.

KIN 390 Prevention and Emergency Care of Injuries I 2

Introduction to the field of sports medicine emphasizing principles of prevention of orthopedic injuries and management of life-threatening and catastrophic injuries.

Corequisites: KIN 391.

KIN 391 Prevention and Emergency Care of Injuries II 1

Laboratory sessions and supervised field experience. Introduction to the field of sports medicine emphasizing principles of prevention of orthopedic injuries and management of life-threatening and catastrophic injuries.

Corequisites: KIN 390 or permission of instructor.

KIN 396 Dissecting Martial Arts in Contemporary China 6

Critical analysis of Chinese martial arts and its function in and conflict with contemporary China; cultural awareness of martial arts' influence in health, education, performing arts, and business decision-making in China.

GE Marker: GN

Notes: May be repeated once for credit.

KIN 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

KIN 419 Mentoring in Community Youth Development Programs 2

Service learning experience mentoring an elementary or middle school youth in a community youth sport program. On campus seminars required.

Notes: May be repeated for credit.

KIN 420 Physical Activity Programs for Underserved Youth 3

Overview of community-based programs designed to meet the needs of underserved youth; roles of universities and community agencies in such programs; development of leadership skills.

KIN 421 Evaluation of Physical Activity Programs in Youth Development 3

Examination of traditional and nontraditional strategies for effective youth program evaluation; attention to analysis and interpretation of data used in conducting such evaluations.

Prerequisites: KIN 420.

KIN 430 Play, Games, and Sport 3

Examination of major conceptualizations of play, games, and sport; comparisons and contrasts among the concepts.

KIN 436 Anatomical Basis of Athletic Injury 2

Focus on the link between anatomical structure, function, and athletic injury evaluation. The functional consequence of injury and rehabilitation on anatomical structures will also be addressed.

Prerequisites: Undergraduate anatomy and physiology.

KIN 441 Foundational Skills in Sports Medicine 3

Development of foundational skills and techniques for medical health professionals. Emphasis on functional palpation, sport specific movement analysis, and understanding of orthopedic pathologies.

Prerequisites: KIN 291 (or BIO 271).

KIN 445 Psychology of Coaching 3

Overview of sport psychology principles applied to the teaching and coaching of sport activities.

Prerequisites: PSY 121 or permission of instructor.

KIN 450 Instructional Strategies for School Health Education 3

This course prepares students to teach K-12 health education. The course focuses on methods, instructional practices, assessment, and reflection on effective health education.

Prerequisites: KIN 354. Junior or senior Physical Education and Health Teacher Education or Public Health Education majors; Junior or senior Kinesiology majors with permission of the instructor;

Corequisites: KIN 454 and KIN 460.

Notes: Professional liability insurance required.

KIN 454 Curriculum and Teaching: Secondary School Physical Education 3

Planning and organizing for teaching and observation of movement in secondary school physical education. Emphasis on the analysis of the teaching process, curriculum development, and selection of appropriate content.

Prerequisites: KIN 354 and KIN 375. Seniors in the Physical Education and Health Teacher Education Concentration; admission to the Teacher Education Program;

Corequisites: KIN 450, KIN 460.

Notes: Professional liability insurance required.

KIN 456 Teaching Practicum II: Children's Physical Activity 2

Practicum experiences in teaching physical activity to children with special emphasis on lesson planning, management, assessment, task presentation, and content development.

Prerequisites: Admission to Community Youth Sport Development concentration.

Corequisites: Concurrent enrollment in KIN 235.

KIN 457 Teaching Practicum: Adolescents' Physical Activity 2

Practicum experiences in teaching physical activity to adolescents with special emphasis on lesson planning, management, assessment, task presentation, and content development.

Prerequisites: KIN 235. Kinesiology major with Community Youth Sport Development concentration;

Notes: Professional liability insurance required.

KIN 460 Teaching Physical Education and Health Internship 3

Supervised field experience in Physical Education and Health Teacher Education in an approved local school setting. Includes campus meetings.

Prerequisites: KIN 375 and KIN 386. Senior Kinesiology Physical Education and Health Teacher Education major; admission to the Teacher Education Program;

Corequisites: KIN 450, KIN 454.

Notes: Professional liability insurance required.

KIN 461 Student Teaching and Seminar in Physical Education 12

Block courses in professional semester for teacher education majors. Techniques of teaching physical education under supervision. Full-time teaching in schools. Weekly seminars.

Prerequisites: Program requirements leading to student teaching. Methods courses (KIN 354, KIN 379, KIN 450, KIN 454, and KIN 460) must be taken at UNCG; Admission by application only; 3.0 GPA; All other course work in Physical Education and Health Teacher Education concentration plan of study must be successfully completed to enroll; Senior Kinesiology major with a concentration in Physical Education and Health Teacher Education; Successful completion of program requirements leading to student teaching;

Notes: Professional liability insurance required. Grade: Pass/Not Pass (P/NP); ARC FA and CPR must be current; Admission to Teacher Education Program is required.

KIN 462 Student Teaching and Seminar in Physical Education 6

Block courses in professional semester for teacher education majors. Techniques of teaching physical education under supervision. Full-time teaching in schools. Weekly seminars.

Prerequisites: Program requirements leading to student teaching. Methods courses (KIN 235, KIN 354, KIN 453, KIN 454, KIN 455, and KIN 460) must be taken at UNCG; Admission by application only; 2.50 GPA; All other course work must be complete to enroll;

Notes: Professional liability insurance required. Grade: Pass/Not Pass (P/NP); ARC FA and CPR must be current; Admission to Teacher Education Program is required.

KIN 465 History of the Olympic Games 3

Development of the Olympic Games movement in both the ancient world and modern era. Consideration of cultural, philosophical, political, economic, and performance perspectives.

KIN 466 Practicum in Fitness Leadership 3

Practical, hands-on experience working with a wide variety of individuals designing and implementing exercise programs in a supervised exercise setting.

Prerequisites: KIN 379.

Notes: Professional liability insurance required. May be repeated twice for credit.

KIN 468 Exercise Testing and Prescription I 3

Scientific principles of safe and effective exercise testing and prescription for persons absent of chronic disease as outlined by the American College of Sports Medicine.

Prerequisites: Minimum grade of C (2.0) in KIN 375. Admission to Kinesiology or Physical Education and Health Teacher Education major, or permission of instructor.

KIN 468L Exercise Testing and Prescription I Laboratory 0

Laboratory supporting KIN 468.

Corequisites: KIN 468.

KIN 469 Exercise Testing and Prescription II 3

Scientific principles of safe and effective exercise testing and prescription for persons with chronic disease and other medical conditions. Includes basics of electrocardiography.

Prerequisites: Minimum grade of C (2.0) or higher in KIN 468, 2.50 GPA overall, Kinesiology major, or permission of instructor.

Corequisites: KIN 466.

KIN 470 Development and Implementation of Fitness Programs 3

Preparation in planning, designing, developing, organizing, programming, implementing, directing, and evaluating fitness programs.

KIN 471 Internship Preparation in Kinesiology 1

Professional preparation, planning, and placement for supervised internship experience (KIN 496).

Prerequisites: 2.50 overall GPA, Kinesiology major, or permission of instructor.

KIN 475 Independent Study 1-3

Intensive work in area of special interest in Kinesiology. Available to qualified students on recommendation of academic advisor, instructor, and undergraduate program coordinator.

Prerequisites: Demonstrated competency for independent work and permission of academic advisor, instructor, and undergraduate program coordinator.

Notes: May be repeated for a total of up to 6 s.h.

KIN 477 Coaching Practicum in a Selected Sport 3

Opportunity for prospective coach to assume various responsibilities in coaching a selected sport under the guidance of a qualified coach.

Prerequisites: Current First Aid/Sports Safety Certification. Upper division students seeking minor in sport coaching, or permission of instructor;

Notes: Professional liability insurance required.

KIN 479 Exercise and Older Adults 3

Basic principles underlying exercise/aging. The delivery of exercise information and the conduct of exercise programs for older adults.

Prerequisites: Junior admission only by permission of instructor.

KIN 481 Nutrition and Physical Fitness 3

Metabolism during exercise, ergogenic aids, nutrients' effects on performance, and body composition alterations during training. Gender and age-specific needs and responses to exercise and dietary intake.

Prerequisites: Grade of C (2.0) or better in BIO 277 and NTR 213 and NTR 413 (or equivalents). KIN 375 recommended.

KIN 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

KIN 496 Kinesiology Internship 3,6

A supervised field experience in qualified agencies. Application process is required for permission to register. Course involves specific assignments, supervision, seminars on campus, and evaluation of student's performance.

Notes: An application process must be completed prior to registration. Course may be repeated for credit if taken for three (3) s.h.; total hours for course may not exceed six (6) s.h.

KIN 519 Mentoring in Community Youth Development Programs 2

Service learning experience mentoring an elementary or middle school youth in a community youth sport program. On campus seminars required.

Notes: May be repeated for credit.

KIN 520 Physical Activity Programs for Underserved Youth 3

Overview of community-based programs designed to meet the needs of underserved youth; roles of universities and community agencies in such programs; development of leadership skills.

KIN 521 Evaluation of Physical Activity Programs in Youth Development 3

Examination of traditional and nontraditional strategies for effective youth program evaluation; attention to analysis and interpretation of data used in conducting such evaluations.

Prerequisites: KIN 520.

KIN 536 Anatomical Basis of Athletic Injury 2

Focus on the link between anatomical structure, function, and athletic injury evaluation. The functional consequence of injury and rehabilitation on anatomical structures will also be addressed.

Prerequisites: Undergraduate anatomy and physiology .

KIN 570 Development and Implementation of Fitness Programs 3

Preparation in planning, designing, developing, organizing, programming, implementing, directing, and evaluating fitness programs.

KIN 576 Nutrition and Physical Fitness 3

Metabolism during exercise, ergogenic aids, nutrients' effects on performance, and body composition alterations during training. Gender and age-specific needs and responses to exercise and dietary intake.

Prerequisites: Grade of C (2.0) or better in BIO 277 and NTR 213 and NTR 413 (or equivalents). KIN 375 recommended;

Notes: Same as NTR 576.

KIN 579 Exercise and Older Adults 3

Basic principles underlying exercise/aging. The delivery of exercise information and the conduct of exercise programs for older adults.

Prerequisites: Junior admission only by permission of instructor.

KIN 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

KIN 601 Applying Research to Professional Practice 3

This course is designed for future practitioners in health and physical activity to gather, read, interpret, assess, and apply research to their fields.

KIN 620 Athletic Training Clinical Experience 3

Supervised field experience in an assigned athletic training clinical setting. Students are required to complete 300 clock hours under the supervision of an approved clinical instructor.

Prerequisites: Admission to the MSAT degree program.

Notes: Must be taken four times.

KIN 622 Internship in Community Youth Sport Development Programs 6

Supervised field experience in qualified agencies. Course involves specific assignments, seminars on campus, and evaluation of student's performance.

Prerequisites: KIN 520, KIN 521.

Notes: Grade: Satisfactory/Unsatisfactory, S/U.

KIN 630 Sport and Society: Social Inequalities 3

Survey of current theories and research in the sociological study of sport, physical activity, and exercise; focus on sport and major social institutions, social inequalities, and social change.

Prerequisites: KIN 330, introductory sociology, or permission of instructor.

KIN 634 Athletic Training Foundations 3

Introduction of concepts and skills related to the prevention and treatment of athletic injuries, and management of life-threatening and catastrophic injuries.

Prerequisites: Admission to MSAT degree program or permission of instructor.

KIN 636 Athletic Injury Evaluation 4

Recognizing and evaluating orthopedic injuries commonly sustained in the athletic environment. Additional topics include the body's pathological response to injury, methods of documentation, and development of psychomotor competencies in orthopedic evaluations.

Prerequisites: Admission into the MSAT degree program or permission of instructor.

Corequisites: Admission into the MSAT degree program or permission of instructor.

KIN 638 Theoretical Modalities 4

Theoretical foundation of therapeutic modalities as a component of athletic injury reconditioning programs. Theory and clinical aspects of delivery of therapeutic modalities are examined.

Prerequisites: Admission into the MSAT degree program or permission of instructor.

Corequisites: Admission into the MSAT degree program or permission of instructor.

KIN 640 Rehabilitation Techniques for Athletic Injuries 4

Awareness, understanding, and application of principles and skills pertaining to rehabilitation of injuries in physically active populations.

Prerequisites: Admission into the MSAT degree program or permission of instructor.

Corequisites: Admission into the MSAT degree program or permission of instructor.

KIN 642 Optimizing Athletic Performance 3

Exploration of sports nutrition, ergogenic aids, and strength and conditioning principles within the context of sport injury and rehabilitation.

Prerequisites: Admission to MSAT degree program or permission of instructor.

KIN 643 Mechanical Analysis of Motor Skills 3

Mechanical principles applied to the teaching and analysis of selected sports activities; evaluation of modern bio-mechanical techniques.

KIN 644 Psychology of Sport and Exercise 3

Theories and research related to sport psychology; individual differences, motivation and social influence processes related to sport and exercise behavior.

Prerequisites: Introductory psychology or permission of instructor.

KIN 645 Exercise Psychology 3

Examination of the effects of exercise on various factors (e.g., stress, mood) and the effects of psychological variables (e.g., biofeedback, motivation) on exercise.

KIN 649 Principles of Physical Activity Behavior Change 3

This course will acquaint graduate students with the application of major theories and models used to design and guide the development of contemporary physical activity interventions.

Prerequisites: Students admitted to the Sport and Exercise Psychology and Applied Sport Psychology concentrations within the Kinesiology Department. Students from other program areas and departments may be admitted with instructor permission.

KIN 653 History of American Sport and Exercise Science 3

Study of development of sport and exercise science in the U.S. with special emphasis on the evolving institutional involvement of schools and colleges.

KIN 656 Psycho-Social Aspects of Teaching Physical Education and Sport 3

Social and psychological factors that influence instructional interactions and the perceptions of teachers, coaches, and students.

Prerequisites: Previous teaching experiences or permission of instructor.

KIN 658 Multiculturalism and Physical Education Curriculum 3

Cultures, cultural influence, race, gender and class roles, as they intersect with physical ability in physical activity, hidden curriculum issues, diverse cultures as curricular resources, culturally relevant pedagogy in PE.

KIN 667 Exercise Electrocardiography and Cardiopulmonary Medications 3

Electrocardiography and mechanisms/side effects of cardiopulmonary medications most likely encountered in clinical exercise settings. Particularly appropriate for students interested in cardiopulmonary rehabilitation and clinical exercise testing.

Prerequisites: KIN 375 or equivalent or permission of instructor.

Corequisites: KIN 670 or permission of instructor.

KIN 668 Advanced Exercise Assessment 3

Exercise testing for cardiorespiratory fitness and disease diagnosis. Knowledge of ECG interpretation and cardiorespiratory pharmacology applied to clinical exercise testing. Also covers body composition and musculoskeletal fitness testing.

Prerequisites: KIN 468 or equivalent, KIN 670, or permission of instructor.

KIN 669 Advanced Exercise Prescription 3

Prescription of exercise for healthy, at-risk, and diseased individuals. Covers exercise prescription objectives for American College of Sport's Medicine's Exercise Specialist and Health Fitness certifications.

Prerequisites: KIN 670 or permission of instructor.

KIN 670 Physiology of Exercise 3

In-depth study of the physiological basis of human physical performance with emphasis on the acute response and chronic adaptations of the body to exercise.

Prerequisites: KIN 375 or permission of instructor.

KIN 675 Applied Human Work Physiology 3

Physiological factors which influence the exercise and performance capabilities of humans.

Prerequisites: KIN 375 or equivalent, or by permission of instructor.

KIN 694A Internship in Kinesiology 3-6

Supervised field experience appropriate to the student's interests and background in selected settings during the final phases of the student's curricular plan.

Prerequisites: Permission of Instructor.

Notes: May be repeated once for credit.

KIN 694B Internship in Kinesiology 3-6

Supervised field experience appropriate to the student's interests and background in selected settings during the final phases of the student's curricular plan.

Prerequisites: Permission of Instructor.

Notes: May be repeated once for credit.

KIN 695 Independent Study 1-3

Intensive study in an area of special interest in physical education.

Prerequisites: Demonstrated competency for independent work and permission of departmental academic advisor and the instructor.

KIN 699 Thesis 1-6**KIN 700 Special Topics in Kinesiology 3**

Advanced study in special topics from the various subspecialties within the field of kinesiology.

KIN 701 Research Topics in Kinesiology 3

Intensive examination of specific topics; critical review of current literature.

Prerequisites: Prerequisites and defined research competencies will vary according to topic.

Notes: May be repeated for credit when topic varies.

KIN 702 Research Seminar in Applied Neuromechanics 1

Exploration of the assessment of neuromechanical function of the extremities and its relationship to performance, joint instability, and injury risk.

Prerequisites: Graduate student in KIN with an applied neuromechanical focus or permission of instructor.

Notes: May be repeated for a total of 3 credit hours when topic varies.

Grade: Satisfactory/Unsatisfactory (S/U).

KIN 704 Athletic Training Seminar 3

Study course for the National Athletic Trainers' Association Board of Certification (BOC) examination involving review examinations and projects on the 5 BOC practice domains for athletic training.

Prerequisites: Admission into the MSAT degree program or permission of instructor.

Corequisites: Admission into the MSAT degree program or permission of instructor.

KIN 705 Applied Rehabilitation Concepts 3

Capstone experience involving the supervision of a comprehensive orthopedic rehabilitation project and writing a final document to summarize patient outcomes.

Prerequisites: Admission into the MSAT degree program or permission of instructor.

Corequisites: Admission into the MSAT degree program or permission of instructor.

KIN 706 Online Pedagogy in Kinesiology and Related Professions 3

Online course design in Kinesiology and related professions using evidence-based best practices. Creation of online course and its modules using a collaborative, learner-centered approach to online instruction.

KIN 709 Mentored Teaching in Kinesiology 1-3

Mentored teaching experience in kinesiology developed by student and faculty mentor, beyond graduate assistantship.

Prerequisites: Permission of instructor.

Notes: May be repeated for a maximum of 6 credits. Grade: Satisfactory/Unsatisfactory (S/U).

KIN 712 Current Research and Issues in Sport and Exercise Psychology 1

Exploration of current research and issues within sport and exercise psychology; emphasis on developing a broad understanding of sport and exercise psychology scholarship and its relationship to Kinesiology. May be repeated for a total of 3 credit hours when topic varies.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

KIN 713 Internship in Kinesiology 3-6

Supervised field experience appropriate to the student's interests and background in selected settings during the final phases of the student's curricular plan.

Prerequisites: Permission of instructor in addition to the following: cumulative GPA of 3.0 or better; completed Core Required Course(s) or Core Requirement for concentration area with grade of B or better; KIN 713A- For internships that are not in preventative or clinical settings; No additional prerequisites; KIN 713B- For internships in preventative or clinical settings; Additional prerequisite: Grade of P in KIN 471;

Notes: May be repeated once for credit. Grade: Satisfactory/Unsatisfactory (S/U).

KIN 714 Field Practicum in Kinesiology 1-6

Developing, implementing, and/or evaluating a focused set of professional activities in a field setting. Requires guidance, approval, and evaluation by one faculty member.

Notes: May be repeated for a maximum of 9 credits. Grade: Satisfactory/Unsatisfactory (S/U).

KIN 715 Professional Ethics in Health and Human Sciences 3

A view of professional ethics in health and human sciences through the lens of Boyer's model of scholarship (discovery/integration, application, teaching/learning).

KIN 716 Mixed Methods in Kinesiology Research 3

An overview of mixed method approaches to research in kinesiology with an emphasis on practical application.

Notes: Registration restricted to students enrolled in the Ed.D. in Kinesiology program.

KIN 717 Qualitative Research Methods in Kinesiology 3

Research design and methods for health and human science settings including data source sampling; collection/analysis of artifact, observation, interview, focus group data; within case analysis, writing case reports.

KIN 718 Cardiovascular Aspects of Exercise Physiology 3

Effects of acute and chronic exercise on heart function and size, peripheral vasculature, hemodynamics and cardiac output.

Prerequisites: KIN 670 or permission of instructor.

KIN 719 Muscular Aspects of Exercise Physiology 3

Effects of acute and chronic exercise on muscular mechanics, blood supply, size of muscle, fiber types, fatigue and physical performance.

Prerequisites: KIN 670 or permission of instructor.

KIN 720 Pathophysiology and Pharmacology 3

In-depth study of the pathophysiology and pharmacologic treatment of major illnesses, injuries, and diseases observed in clinical settings.

Prerequisites: KIN 375 and BIO 111 or equivalent or permission of instructor.

KIN 721 General Medical Conditions 3

Lecture and laboratory experiences to develop clinical skills in assessment and management of general medical situations common to athletic training.

Prerequisites: Admission to MSAT degree program or permission of instructor.

Corequisites: KIN 720.

Notes: Lab fee for supplies required.

KIN 723 Statistical Methods for Kinesiology 3

Basic statistics with applications for kinesiology.

KIN 724 Physical Activity and Health 3

Health benefits and risks of physical activity/exercise. Course content parallels the 1996 U.S. Surgeon General's report Physical Activity and Health with updated referencing.

Prerequisites: KIN 375 or equivalent or permission of instructor.

KIN 725 Management and Professional Issues in Athletic Training 3

The administration and organization of athletic training health care programs and facilities. Current issues in athletic training professional conduct and practice will also be discussed.

Prerequisites: Admission to MSAT degree program or permission of instructor.

KIN 729 Learning and Performance of Physical Skills 3

Application of principles of learning to the learning and performance of physical skills, including the social, emotional, and personality factors affecting skill acquisition.

Prerequisites: General and developmental psychology (9 hours), or permission of the instructor.

KIN 730 Neural Aspects of Motor Control 3

Multi-disciplinary seminar exploring theories and mechanisms of neuromuscular control of human movement.

Prerequisites: Undergraduate survey course in motor learning/control or permission of instructor.

KIN 731 Curriculum Development in Kinesiology 3

Modern principles and practices in curriculum construction and current theories of curriculum development in Kinesiology.

KIN 732 Analysis of Teaching and Learning 3

Introduction to quantitative and qualitative methods for evaluating teaching and learning including techniques of classroom observation, classroom climate analysis, and student engagement. Extends the research competencies of those interested in pedagogical assessment.

KIN 735 Program Evaluation and Evidence-Based Practice in Physical Activity Programs 3

Concepts, processes and methods, results interpretations, and issues in the evaluation of in physical activity programs/interventions; reflection and critique of different evaluation philosophies, theories, methods, and policy ramifications in program evaluation.

KIN 738 Sport-based Youth Development 3

Current principles, practices, and research related to programs that promote youth development outcomes through sport participation.

KIN 743 Psychological Aspects of Sport Injury 3

Psychological factors and intervention strategies as they relate to the risk, experience, and treatment of athletic injuries from a biopsychological perspective.

Prerequisites: KIN 644, Applied Sport Psychology concentration or permission of instructor.

KIN 744 Applied Sport Psychology 3

Current research in applied sport psychology; sport-specific individual differences, motivational approaches, and interventions.

Prerequisites: KIN 644.

KIN 745 Seminar: Social Psychology and Physical Activity 3

Current theories, research methodologies and findings related to the social psychological aspects of sport and exercise behavior; emphasis on application in professional practice.

Prerequisites: KIN 644 or permission of instructor.

KIN 746 Practicum in Applied Sport and Exercise Psychology 1-3

Skill development and application of theory in practice in applied sport psychology through supervised work in a laboratory and/or field setting.

Prerequisites: KIN 744 or equivalent and permission of instructor.

Notes: May be repeated for up to 10 credit hours. no more than 6 credit hours can count toward degree requirements; lab fee required each semester; grade method is Satisfactory/Unsatisfactory (S/U).

KIN 748 Advanced Topics in Sport Exercise and Psychology 3

Advanced study in special topics within a field of sport and exercise psychology.

Notes: May be repeated for credit when topic varies for a maximum of 12 credits.

KIN 750 Seminar in Kinesiology 3

Integrative seminar focusing on major issues confronting the field of kinesiology, and applying concepts to professional practice and higher education.

Notes: Registration restricted to students enrolled in the Ed.D. in Kinesiology program.

KIN 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

KIN 751 Advanced Research Seminar in Kinesiology 3

Integrative seminar focusing on development, refinement, and presentation of research.

Notes: Registration restricted to students enrolled in the Ed.D. in Kinesiology program.

KIN 752 Advanced Professional Seminar in Kinesiology 3

An advanced doctoral seminar focused on developing students' professional leadership and collaborative skills, while also supporting the advancement of dissertation research.

Notes: Registration restricted to students enrolled in the Ed.D. in Kinesiology program.

KIN 762 Program Design in Kinesiology and Related Professions 3

Methods for designing academic programs in Kinesiology and related fields. Leadership skills, strategic planning, and implementing a program are the focus of this class.

KIN 778 Professional Seminar in Grant Writing 3

An advanced doctoral seminar on the grant writing process. Students will develop proposals appropriate for any agencies and foundations that fund applied research and professional programs.

Notes: Registration restricted to students enrolled in the Ed.D. in Kinesiology program.

KIN 779 Dissertation Presentation Seminar 1

A seminar focusing on students' dissertation research. Satisfactory completion requires presentation of the dissertation in an on-campus seminar; typically completed in the student's final semester.

Prerequisites: Admission to the EdD in Kinesiology degree program.

KIN 795 Independent Doctoral Research 1-6

In-depth study of a problem in exercise and sport science. May include a synthesis/review of literature, scientific investigation, or design, implementation, or evaluation of project.

Prerequisites: Prior approval of graduate faculty member who will supervise and evaluate the project.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

KIN 798 Doctoral Seminar in Grant Writing 3

The grant writing process, including the procedures and technical strategies for developing and submitting a grant proposal for funding.

Prerequisites: Prior approval of graduate faculty member who will supervise and evaluate the project.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

KIN 799 Dissertation 1-12

Individual direction in the development and execution of a doctoral dissertation.

KIN 801 Thesis Extension 1-3

Thesis Extension.

KIN 802 Dissertation Extension 1-3

Dissertation Extension.

KIN 803 Research Extension 1-3

Lang, Lit, & Cultures (LLC)

LLC 111 Connection, Collaboration, and Inquiry 1

This course explores connections among diverse fields of study and/or perspectives to promote deeper understanding and develop global awareness, a capacity for active citizenship, collaboration, communication, and lifelong learning skills.

Prerequisites: Enrollment in the Global Village.

Notes: May be repeated once for credit.

LLC 120 Global Crossings: Topics in Images, Media, and Texts 3

This course explores global topics embodied in literature, film, music, art, and other cultural practices, from humanistic perspectives. Topics may include national identity, citizenship, immigration, space, memory, revolution, and hegemony.

GE Core: GLT

GE Marker: GN

Prerequisites: Living Learning Community. Students: placement test or consult with instructor;

Notes: Intended for freshmen. May be repeated once, when topic varies.

LLC 120R Global Crossings Recitation 0

Breakout session for LLC 120.

LLC 130 Global Green: Cultures of Production and/or Consumption 3

This course explores global sustainability by tracing products from origin to consumer, examining related cultural practices, including those embodied in literature, film, music, and art. Topics include textiles, chocolate, tea, and ecotourism.

GE Core: GLT

GE Marker: GN

LLC 130R Global Green Recitation 0

Breakout session for LLC 130.

LLC 222 Foundational Topics in Languages, Literatures, and Cultures 3

Study of texts linking language areas and cultural traditions. Topics may include national identity, space, and memory as shaped by cultural intersections.

GE Core: GLT

GE Marker: GN

Notes: Taught in English. May be repeated for a total of 6 s.h.

LLC 250 Global Cultures Through Film: Angles of Vision 3

This course explores global topics embodied in films produced in different regions of the world. It provides diverse cultural frames of reference and alternative perspectives on current global issues.

GE Marker: GN

LLC 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

LLC 340 Topics: Languages for Professions 3

This course provides basic language skills in the non-English languages taught at UNCG for working in a variety of professional contexts.

Prerequisites: SPA 301 or SPA 302 or FRE 301 or GER 301. or permission of instructor;

Notes: May be repeated up to three times for a total of 9 s.h.

LLC 355 Topics in Languages, Literatures, and Cultures 3

Study in English of selected topics in literature or film linking multiple periods, language areas, and cultural traditions represented in LLC; includes guest seminars by department and visiting experts.

GE Core: GLT

GE Marker: GL

Prerequisites: LLC 120 or LLC 130. or permission of instructor;

Notes: May be repeated up to three times for a total of 9 s.h.

LLC 389 LLC Service Learning 3

Through hands-on service projects, students learn to collaborate, gather, and evaluate information, make connections among diverse perspectives, and develop global awareness, capacity for active citizenship, and skills for lifelong learning.

LLC 399 Cultural Immersion through Community-Based Service Learning 3

Field experience for undergraduates with basic to intermediate proficiency requiring interaction and/or active-language use in the community.

Prerequisites: Completion (or proficiency equivalent to) of 204 course number in the target language or permission of instructor.

Corequisites: 300-level course taught in the target language or permission of instructor.

Notes: Offered by UNCG summer Study Abroad programs.

LLC 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

LLC 412 Teaching Second Languages in K-12 3

Study of second language teaching approaches applicable to the K-12 school classroom. Students learn to develop and evaluate materials applicable to effective second language programs in K-12 schools.

Prerequisites: TED 445 and admission to teacher education program or permission of department.

LLC 419 Second Language Acquisition 3

Introduction to scientific research of the various processes of how people learn a second or foreign language.

Prerequisites: FRE 415 or SPA 408 or SPA 415 or SPA 416 or permission of department.

LLC 455 Advanced Topics: Rebels and Revolutionaries in Languages, Literatures, and Cultures 3

In-depth study of world literature, through a variety of critical and historical approaches, based on themes, geographical areas, genres, or periods exploring the concepts of rebellion and revolution.

Prerequisites: LLC 120 or LLC 130 or LLC 250. or permission of instructor;

Notes: May be repeated up to three times for a total of 9 s.h.

LLC 465 Student Teaching and Seminar in World Languages 12

Supervised student teaching in K–12 setting under the direction of university supervisor. Observation, participation, and appropriate classroom teaching experience on a full-time teaching assignment for a full semester with weekly seminar.

Prerequisites: LLC 512. TED 445; Senior standing; Admission to the Teacher Education Program or permission of department; overall 2.75 GPA as well as 2.75 GPA in the major.

LLC 468 African History and Cultures through Film 3

Examines how Africans are portrayed in a variety of film genres, focusing on representations of race, gender, class, and sexuality in world cinema and legacies of colonialism.

Notes: Same as HIS 469.

LLC 499 Community-Based Service Learning 3

Through interaction with immigrants and refugees in the Greensboro community, students will use their second language skills with native speakers and act as a cultural broker (a bridge between both cultures) in this service-learning internship course.

LLC 512 Teaching Second Languages in K-12 3

Study of second language teaching approaches applicable to the K–12 school classroom. Students learn to develop and evaluate materials applicable to effective second language programs in the K–12 schools.

Prerequisites: TED 445 or TED 545 or permission of department.

LLC 519 Second Language Acquisition 3

Introduction to scientific research of the various processes of how people learn a second or foreign language.

Prerequisites: FRE 415 or SPA 442 or SPA 445 or permission of department.

LLC 568 African History and Cultures through Film 3

Examines how Africans are portrayed in a variety of film genres, focusing on representations of race, gender, class, and sexuality in world cinema and legacies of colonialism.

Notes: Same as HIS 568.

LLC 599 Community-Based Service Learning 3

Through interaction with immigrants and refugees in the Greensboro community, students will use their second language skills with native speakers and act as a cultural broker (a bridge between both cultures) in this service-learning internship course.

LLC 600 Methods of Teaching Modern Languages 3

Methods and techniques for teaching modern languages at the college level.

Prerequisites: Admission to MA in Languages, Literatures, and Cultures or departmental permission.

LLC 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

LLC 601 Research Methods and Critical Analysis 3

Research and analysis in literary and cultural criticism. Designed especially for entering MA students.

Prerequisites: Admission to MA in Languages, Literatures, and Cultures or departmental permission.

LLC 665 Clinical Practice/Seminar in Teaching World Languages 3-6

Clinical practicum in teaching foreign language. Observation, participation, and appropriate classroom teaching experience in a full-time teaching assignment with a weekly seminar.

Prerequisites: Permission of instructor.

LLC 701 Languages for Graduate Studies 3

Language course for graduate students. This course will develop the students' proficiency in a selected language (Arabic, ASL, French, Spanish, German, Japanese, Chinese, Russian) and promote research skills in a global context.

Notes: This course can be repeated up to 9 s.h. so that students can reach the proficiency level required for their programs.

LLC 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Latin (LAT)

LAT 101 Elementary Latin I 3

Introduction to Latin. Emphasis on understanding principles of grammar and developing skills for reading Latin.

LAT 102 Elementary Latin II 3

Continuation of LAT 101. Emphasis on advanced grammar and selected readings.

Prerequisites: LAT 101 or appropriate score on the Latin placement exam.

LAT 140 Elementary Latin Review 3

Accelerated elementary curriculum for students with previous Latin experience or a demonstrable aptitude for second-language acquisition.

LAT 198 Latin Sight Reading 1

Sight reading of Latin texts from all periods of Latin literature. Does not count toward the language requirements of the College of Arts and Sciences or the Classical Studies major.

Prerequisites: LAT 203.

Notes: Grade: Pass/Not Pass (P/NP). May be repeated once for credit.

LAT 199 Conversational and Modern Latin 1

Practice in Latin conversation, supplemented by readings and informal exercises. Does not count toward the language requirements of the College of Arts and Sciences or the Classical Studies major.

Prerequisites: LAT 102 or LAT 140 or permission of instructor.

Notes: Grade: Pass/Not Pass (P/NP).

LAT 203 Intermediate Latin I 3

Designed to develop proficiency in reading of Latin and introduce students to Latin prose and poetry.

LEC: GFL

Prerequisites: A grade of C- or better in LAT 102 (or LAT 140). appropriate score on the Latin placement exam; or permission of instructor.

LAT 204 Intermediate Latin II 3

Study of Latin prose and poetry with continued emphasis on developing proficiency in reading Latin.

LEC: GFL

Prerequisites: LAT 203. appropriate score on the Latin placement exam; or permission of instructor.

LAT 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

LAT 302 Roman Letters Public and Private 3

The literary and social practice of letter-writing in ancient Rome viewed through selections from Cicero, Seneca, Pliny, and other authors.

Prerequisites: LAT 204 or permission of instructor.

LAT 303 Roman Comedy 3

Exploration of the role of theater and comedy in ancient Rome with selected readings from Rome's most important comic playwrights (Plautus and Terence).

Prerequisites: LAT 204 or permission of instructor.

LAT 314 Love and Sex in Ancient Rome 3

Selected readings that reveal ancient Roman attitudes and practices regarding love and sex. Latin authors will include Ovid, Catullus, and Lucretius.

Prerequisites: LAT 204. or permission of instructor.

LAT 350 Special Topics in Latin Literature 3

Opportunity for students to work individually or in small groups on problems of special interest in Latin literature or language. Work may represent either survey of a given field or intensive investigation of particular problem.

Prerequisites: LAT 204. Student should consult instructor before registering for course.

LAT 351 Special Topics in Latin Literature 3

Opportunity for students to work individually or in small groups on problems of special interest in Latin literature or language. Work may represent either survey of a given field or intensive investigation of particular problem.

Prerequisites: LAT 204. Student should consult instructor before registering for course.

LAT 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

LAT 421 Great Roman Questions 3

A sampling of Roman inquiries into the great questions about the meaning of life and the nature of the universe. Readings selected from Cicero, Seneca, Lucretius, and others.

Prerequisites: LAT 204 or permission of instructor.

LAT 430 Latin Grammar and Composition 3

Intensive study of Latin grammar, syntax, and prose style; includes reading of Latin texts and translation into Latin from English. Required for initial licensure in Latin.

Prerequisites: LAT 204, or permission of instructor.

LAT 452 Teaching Secondary-Level Latin: Current Trends 3

Trends and issues in teaching Latin at the secondary level. Topics include: review of textbooks, use of technology, research on second language acquisition, reaching diverse learners, and other current issues.

Prerequisites: Admission to the Standard Professional I License or M.Ed. in Latin program, or permission of instructor.

Notes: This course does not fulfill Latin language major requirements. May be repeated once for credit when topic varies.

LAT 465 Student Teaching and Seminar in Latin 12

Supervised student teaching of Latin. Observation, participation, and appropriate classroom teaching experience for a semester with weekly seminar.

Prerequisites: LAT 452. CLAS major with Latin licensure (U129); senior standing; 2.75 cumulative GPA; 3.0 GPA in LAT courses above the 100 level;

Notes: Grade: Pass/Not Pass (P/NP).

LAT 471 Medieval and Renaissance Latin 3

Selections from Medieval and Renaissance prose and poetry.

Prerequisites: Permission of the instructor.

LAT 552 Teaching Secondary-Level Latin: Current Trends 3

Trends and issues in teaching Latin at the secondary level. Topics include: review of textbooks, use of technology, research on second language acquisition, reaching diverse learners, and other current issues.

Prerequisites: Admission to the Standard Professional I License or M.Ed. in Latin program, or permission of instructor.

Notes: This course does not fulfill Latin language major requirements. May be repeated once for credit when topic varies.

LAT 571 Medieval and Renaissance Latin 3

Selections from Medieval and Renaissance prose and poetry.

Prerequisites: Permission of the instructor.

Library/Information Studies (LIS)

LIS 120 Introduction to Instructional Technology for Educational Settings 1

Provides an introduction to instructional technology, knowledge, and skills for classroom settings.

Notes: For students seeking initial North Carolina teaching licensure in any area. Students may not receive credit for both LIS 120 and TED 120; Same as TED 120.

LIS 200 Information Use in a Digital World 3

Prepares students to access, evaluate, and manage information to meet personal and academic needs. Focuses on personal information management, digital security/privacy, and ethical issues, including plagiarism, source citation, and fair-use.

GE Core: GRD

LIS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

LIS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

LIS 430 Researching Opportunities in Entrepreneurship and Economic Development 3

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

Prerequisites: Junior, senior, or graduate standing.

Notes: Same as ENT 430, GEO 430, MKT 430.

LIS 530 Researching Opportunities in Entrepreneurship and Economic Development 3

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

Prerequisites: Junior, senior, or graduate standing.

Notes: Same as ENT 530, GES 430/GES 630, MKT 530.

LIS 600 Foundations of Library and Information Studies 3

Survey of access issues in library and information studies; professional operations and potential roles in society.

Notes: Required for all MLIS students in first year. Core course.

LIS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

LIS 604 The History of Libraries and Librarianship 3

Examines the history of libraries in the western world with particular emphasis on the United States.

LIS 610 Collection Management 3

Principles, processes, and problems in selection, evaluation, and acquisition of resources for libraries and information centers.

LIS 617 Materials for Children 3

Survey of resources for early childhood through elementary school levels, study of selection aids and criteria, use of resources, and investigation of reading, listening, viewing interests.

LIS 618 Materials for Adolescents 3

Survey of resources and services appropriate for adolescents, study of selection aids and criteria, use of resources, and investigation of reading, listening, viewing interests.

LIS 619 Storytelling 3

Storytelling and digital storytelling methods, techniques, and materials including literature and programming.

Prerequisites: Admission to the MLIS degree program.

LIS 620 Information Sources and Services 3

Covers philosophy and techniques of matching information to people's needs. Introduces human information behavior and information retrieval concepts; prepares students to meet needs through needs assessment, source selection, and user-instruction.

LIS 623 Principles of Database Information Retrieval 3

Principles of bibliographic database structure, evaluation, and utilization for effective search strategy formulation, critical evaluation of retrieved information, and presentation of results.

Prerequisites: LIS 620.

LIS 628 Science and Technology Information Sources 3

Major bibliographic and information sources and services in the sciences and technology.

Prerequisites: LIS 600, LIS 620, or permission of instructor.

LIS 630 Computer-Related Technologies for Information Management 3

Essential computer-related technologies in a library/school/information agency environment.

Prerequisites: LIS 600 or permission of instructor.

LIS 631 Emerging Technological Trends in Information Access 3

Emerging technologies in libraries including local regional, national, and international communication systems for information transfer as these trends impact delivery of information to library and information center users.

LIS 634 Libraries and Makerspaces 3

This course provides an introduction to makerspaces within libraries.

Topics include financing, programming and assessment.

Prerequisites: Admission to the MLIS degree program.

LIS 635 Media Production Services for Library Programs 3

Media and technology applications in libraries and information agencies. Develops competencies in designing, developing and producing, and presenting media and technology.

LIS 636 Website Production and Usability for Librarians 3

Introduction to Website production and usability issues that are particularly relevant to librarians. Emphasis on seeking to understand and enhance users' experiences.

LIS 640 Information Organization and Access 3

Introduction to the organization of information and collections to enhance access. Topics include format choice, verification of appropriate sources, collection definitions, methods and systems of description, classification, and metadata assignment.

LIS 641 Cataloging and Classification 3

Cataloging and classification of materials using current cataloging codes and appropriate techniques of subject analysis and classification.

Prerequisites: LIS 640 or permission of instructor.

LIS 642 Seminar in Indexing and Abstracting 3

Critical study of print and computer-assisted indexes and indexing with creation of thesaurus, indexes, and concordances. Study of database management program indexing and indexing of internet resources.

Prerequisites: LIS 600, LIS 640, or permission of instructor.

LIS 643 Metadata 3

Introduces conceptual and practical metadata knowledge. Identifies commonalities among metadata schemas and reviews design and profiling processes related to needs of various application domains and environments.

Prerequisites: LIS 640 or permission of instructor.

LIS 644 Digital Libraries 3

Introduces processes, procedures, and systems for the collection development of unique digital resources in libraries, archives, and museums. Includes basics of digitization, standards for different formats, and curation of electronic materials.

Prerequisites: LIS 640.

LIS 649 Music Librarianship 3

This course covers a number of aspects of music librarianship, including music collections, reference, technology, and copyright.

LIS 650 Leadership and Management in Information Organizations 3

Emphasizes management functions, resource management, and application of concepts to management situations in libraries and information centers. (Core course)

LIS 653 The School Library 3

The role and function of the school library media center; planning evaluation, and program development.

Prerequisites: LIS 600, LIS 650, or permission of instructor.

LIS 654 School Library Media Specialist and the Curriculum 3

Relationship of the library media program to the school curriculum; library/media and computer skills K-12 instructional program. Observation and practice in school settings.

LIS 655 The Public Library 3

The public library in the governmental structure, the librarian as a public administrator, financial and cooperative planning, library services, community analysis.

LIS 656 The Academic Library 3

Major trends, issues, and problems in the organization and provision of services in college and university libraries.

Prerequisites: LIS 600, LIS 650 or permission of instructor.

LIS 657 The Special Library 3

Major trends, issues, and problems in the provision of services in profit and not-for-profit special libraries.

Prerequisites: LIS 600, LIS 650, or permission of instructor.

LIS 658 Archival Management 3

Survey of archival management theory and practice, including the appraisal, acquisition, and organization of archival materials and the role of technology in preserving and providing access to collections.

LIS 661 Library and Information Science Research 3

Problems of concern to libraries and information center personnel, including application of interdisciplinary concepts and research methods.

LIS 662 Information Services to Diverse Client Groups 3

Changing demographic patterns affecting library and information services in all types of libraries. Services, collections and staffing to reflect a variety of cultural/ethnic experiences/needs.

LIS 663 Library Services for Young People 3

Planning, evaluation, and administration of programs and services designed to meet the needs of individuals and groups of children and adolescents; current issues in public libraries.

LIS 664 Reading, Literacy, and the Library 3

Introduction to the development of reading and literacy skills, the needs of readers (early childhood to adult), and strategies for librarians to support this development.

LIS 665 Information Literacy 3

Introduce concepts of information literacy, teaching philosophies and techniques, and assessment.

Prerequisites: LIS 620.

LIS 666 Information Ethics and Policy 3

Examination of legal and ethical aspects of information ethics and policies in libraries/information centers. Covers traditional concerns of access to print, government information, and issues of technology access, privacy concerns.

LIS 667 Information Services for Adults 3

Design, planning, evaluation, and administration of information services designed to meet lifelong learning goals and needs of individuals and groups of adults in information organizations. Primary emphasis on public libraries.

LIS 670 Educational Foundations for School Librarians 3

Focuses on historical, philosophical, sociological, legal, and curricular foundations of education with an overview of and introduction to the roles of the school library and librarian. Explores standards, assessment, issues, and trends.

LIS 672 Instructional Design 3

Components of the systems approach to instructional design.

Notes: Same as TED 672.

LIS 674 Seminar: Issues and the Virtual Community 3

Major social and ethical issues emerging in the virtual community including those embraced by access, privacy, intellectual property, freedom of speech, institutional/social control, and evolving formats.

Notes: Same as TED 674.

LIS 685 Seminar in Library Administration and Management 3

Exploration of advanced topics in library administration and management with an emphasis on library and information agencies.

Prerequisites: LIS 650 or permission of instructor.

LIS 688 Seminar in Selected Topics I 1-4

Contemporary issues and current trends in librarianship, educational technology, and information science. Topics to be identified for a particular seminar.

Notes: Course may be repeated when topic varies.

LIS 690 Independent Study 1-4

Guided readings, research, and individual project work under direction of faculty.

Prerequisites: LIS 600 or permission of instructor.

LIS 691 Practicum 3-6

Supervised field experience in library/media center settings, with seminars. Credit required will vary with individual needs.

Prerequisites: LIS 600 and permission of instructor.

Notes: Only 3 hours credit may count towards MLIS degree. Grade: Satisfactory/Unsatisfactory (S/U).

LIS 692 Field Experience in School Library Media 3

Supervised field experiences in a school library media center with seminars, observation, and exploration into the school setting and media coordinator roles, for students with no teaching license.

LIS 693 Practicum/Capstone Experience in School Library Media 3

Supervised capstone field experience in a school library media center with seminars and culminating portfolio. Must be taken in final semester prior to graduation.

Prerequisites: Written permission of instructor.

LIS 694 Supervision: School System Library Media Programs 3

Principles and problems in administration and supervision of the district level library/media program of the school system.

Prerequisites: Permission of instructor.

LIS 698 Capstone Experience in Library and Information Studies 1-3

Capstone supervised field experience/project and culminating portfolio. Must be taken in the final semester prior to graduation.

Prerequisites: Completion of all other degree requirements and permission of instructor.

Notes: Required in final semester of M.L.I.S. program. Consult department website for details; Grading method is Satisfactory/Unsatisfactory (S/U).

LIS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

LIS 803 Research Extension 1-3

Management (MGT)

MGT 300 Management of Organizations 3

An introduction to how managers coordinate human and material resources to achieve organizational goals. Effective management practices that can be applied to business organizations.

Prerequisites: Sophomore standing and a 2.0 GPA.

MGT 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MGT 301 Introduction to International Business 3

Introduction to the environmental factors which increasingly cause businesses to become international in the scope of their activities. Nature of global business and multinational organizations analyzed.

GE Marker: GL

Prerequisites: Major in ACCT, BADM, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MGT 302 International Business: Operations and Environments in Foreign Jurisdictions 3

Study of international business environments from the managerial aspect, and of practices and principles of conducting international business from the perspective of a specific foreign country.

Prerequisites: Admission to an approved program.

MGT 303 Experience Business Abroad 2-6

Practices and principles for conducting business in foreign countries. Experiential learning in international management and entrepreneurship. Course is an approved substitute for study-abroad requirements for International Business Studies majors.

Prerequisites: Admission to an approved program. 3.0 GPA;

Notes: May be repeated for credit if course is taken in different country.

MGT 304 Current Issues in International Business 3

Selected topics in international business presented by visiting faculty. Topics are related to the expertise of the instructor.

Prerequisites: Major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MGT 312 Organizational Behavior 3

Businesses as a generic class of organization. Relation of individual worker and manager to organization and its impact upon them. Formal and informal groups. Management from behavioral point of view. Stability and change within business organizations.

Prerequisites: Sophomore Standing and Pre/Major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MGT 313 Human Resource Management 3

An analysis of how human resources contribute to organizational performance, and the management of those human resources including recruitment, selection, compensation, training and development, performance, appraisal, and union/management relations.

Prerequisites: Major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MGT 314 Industrial and Organizational Psychology 3

Introduction to industrial and organizational psychology with special emphasis on employee motivation, selection, training, and organizational determinants of employee behavior.

Prerequisites: Major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MGT 315 Selection and Compensation 3

Selection theory and the uses of assessment devices. Principles of compensation and job evaluation. Market surveys and their effects on pay structure.

Prerequisites: MGT 313. major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MGT 317 Training and Development in Organizations 3

Principles of training and development. Training needs, assessment, training solutions to organization problems, skill training, different training options, and ways of integrating new behavior and attitudes into the organizational system.

Prerequisites: Major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MGT 318 Organizational Change and Development 3

Introduction to the professional practice of OCD. Topics include overcoming resistance to change, the consultant/client relationship, diagnosis of organizational problems, and interventions

Prerequisites: Junior standing. major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MGT 330 The Legal Environment of Business 3

Survey of the legal, political, and ethical environment in which business decisions are made. Antitrust, employment, and consumer laws included. Federal, state, and international laws covered.

Prerequisites: Sophomore Standing and Pre/Major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP. or permission of instructor.

MGT 354 Diversity and Inclusion in Organizations 3

Explores diversity in the workplace. Diversity is defined, examined, and discussed as opportunities for companies to discover and appreciate differences while developing more effective organizations.

Prerequisites: Junior standing.

MGT 375 Management Process Skills 3

Practical application of management theory. Processes for performing the basic management functions of decision making, planning, organizing, leading, and controlling. Application of the processes to management cases.

Prerequisites: Admission to approved program.

MGT 400 Cybersecurity Management 3

Examines cyber-threats facing organizations and individuals and analyzes mechanisms to strengthen cybersecurity. Introduces tools, policies, concepts, safeguards, guidelines, risk management, actions, training, best practices, assurance and technologies to enhance cybersecurity.

MGT 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MGT 403 Decision Making in Organizations 3

Examination of decision making from psychological, rational, and statistical approaches. Topics include common biases, rationality and bounded rationality, escalation of commitment, group, ethics, negotiations, and emotions in decision making, improving decision making.

Prerequisites: MGT 312. Junior standing.

MGT 414 Human Resource Information Systems 3

Application of ERP systems to managing human resource information. Topics include SAP, job analysis/evaluation; human resource planning, recruiting, screening, selection, training; employee development, performance appraisal, compensation, benefits.

Prerequisites: MGT 313 or ISM 301. major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MGT 475 Employment and Human Resource Law 3

National Labor Relations Act, Fair Labor Standards Act (including equal employment), and other statutes and court decisions relating to employment relations and their effect on managerial practices.

Prerequisites: Junior standing. MGT 330; Admission to approved program.

MGT 491 Business Policy and Strategy 3

Capstone case course in top management policy and strategy determination. Students learn to integrate various business functions and to develop skills and judgment in solving problems of the organization as a total system in relation to its environment.

Prerequisites: MGT 301, MGT 312. MKT 309, MKT 320; FIN 315; ISM 280; senior standing; major in ACCT, BADM, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MGT 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

MGT 499 Problems in Management 3

Independent study, research, and class discussion covering a topic or group of related topics of current interest in theory or policy of the business enterprise. Topics vary from semester to semester.

Prerequisites: Senior majors. permission of instructor;

Notes: May be repeated for credit with approval of department head.

Marketing (MKT)

MKT 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MKT 309 Business Communications 3

Business and professional communication: job search skills; teamwork; communication technology; verbal and non-verbal strategies.

Emphasizes effective persuasive, interpersonal, intercultural, and organizational strategies through business styles, formats, and presentations.

Prerequisites: Junior standing. major in ACCT, BADM, CARS, ECON, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MKT 320 Principles of Marketing 3

Introduction to marketing with an emphasis on market segmentation, targeting, and positioning for consumer and business markets in domestic and international economics.

Prerequisites: ACC 201 (or ACC 218), ECO 201, CST 105, ISM 110, and any one of the following: MAT 115, MAT 120, MAT 150, MAT 151, MAT 191, MAT 292. major in ACCT, BADM, CARS, ECON, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MKT 324 Professional Selling 3

Professional selling provides students with the knowledge and skill sets needed to give them the ability to make effective sales presentations to businesses or consumers.

Notes: Same as ENT 324.

MKT 326 Introduction to Retailing 3

Introductory course in the fundamentals of store organization, management, and merchandising.

Prerequisites: Grade of C or better in MKT 320. junior standing; major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MKT 328 Sales Leadership 3

Problems in selling and sales management are dealt with from the strategic marketing perspective. The sales management process is addressed from the perspective of the profit-maximizing allocation of resources of the firm.

Prerequisites: Sophomore standing.

Notes: Same as ENT 328.

MKT 330 Social Media: A Marketing Perspective 3

Students explore how stakeholders define, measure, and assign value to corporate social media efforts. Skills are developed in managing change, innovation, and stakeholder partnerships related to social media.

Prerequisites: MKT 320.

MKT 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MKT 403 Entrepreneurial Marketing 3

Focuses on marketing strategy, planning, and tactics for entrepreneurial firms. Addresses general marketing issues and specific "real world" marketing problems. Entrepreneurial firms serve as clients for student consulting teams.

Notes: Same as ENT 403.

MKT 407 Sports Marketing 3

Sports marketing applies marketing, promotion, and sales tools and techniques to the specific domain of sporting events, sporting activities, and sports related products.

Prerequisites: Junior standing.

MKT 420 Key Account Selling 3

Key account selling addresses the issues and problems salespeople must overcome when making a major sale (in terms of revenue or customer importance) in very competitive settings.

MKT 421 Promotion Management 3

Promotion process and decision criteria for making promotion management decisions. Emphasis on behavioral and communicative aspects of advertising, personal sales, and other promotional tools from a management decision-making viewpoint.

Prerequisites: Grade of C or better in MKT 320. major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MKT 422 Fundamentals of Marketing Research 3

Marketing information systems, sampling theory, experimental design, psychological scaling techniques, longitudinal analysis. Particular attention to assumption structure underlying each technique. Case studies and problem approach. Student develops programs of action on basis of marketing research results.

Prerequisites: ECO 250, grade of C or better in MKT 320. major in ACCT, BADM, CARS, ENTR, FINC, INTB, MKTG, or STHP.

MKT 424 Consumer Behavior 3

Psychological and socioeconomic factors affecting consumer motivation, behavior, and buying decisions. Emphasis on current research on, and theory about, behavior of consumers as individuals and as members of socioeconomic groups.

Prerequisites: Grade of C or better in MKT 320. junior standing; major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MKT 426 International Marketing 3

Issues in international marketing are addressed from both theoretical and experiential learning perspectives. A comprehensive team-based project involves the intensive use of the Internet in accessing electronic databases.

Prerequisites: Grade of C or better in MKT 320. major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MKT 427 Personal Selling Internship 3

Minimum of 100 hours planned work experience in an organization with a personal sales force. Instructor will provide placement or must approve placement in advance.

Prerequisites: Permission of Instructor.

Notes: Same as ENT 427.

MKT 429 Advanced Marketing Management 3

Advanced analysis and decision-making techniques in marketing. Emphasis on strategic view. Major group project involves working with organizations to develop and present an actual marketing plan.

Prerequisites: MKT 422. major in ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

MKT 430 Researching Opportunities in Entrepreneurship and Economic Development 3

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

Prerequisites: Junior, senior, or graduate standing.

Notes: Same as ENT 430, GES 430, LIS 430.

MKT 444 Effective Selling 3

Designed to enhance the student's ability to present a product/service in a sales setting and negotiate the sale through an effective and efficient process.

Prerequisites: Junior standing.

MKT 450 Marketing Internship 3

Planned work experience in a marketing firm or the marketing department of a business/organization. Instructor must approve internship in advance.

Prerequisites: MKT 320 and MKT 422. 2.75 or higher GPA; permission of instructor;

Notes: Grade: Pass/Not Pass (P/NP).

MKT 493 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

MKT 530 Researching Opportunities in Entrepreneurship and Economic Development 3

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

Prerequisites: Junior, senior, or graduate standing.

Notes: Same as ENT 530, GES 430/GES 630, LIS 530.

Master of Applied Arts and Sciences (MAS)

MAS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MAS 610 Culture and Ideas 3

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

Notes: May be repeated for credit when topic varies.

MAS 610A Culture and Ideas 3

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

Notes: May be repeated for credit when topic varies.

MAS 610B Culture and Ideas 3

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

Notes: May be repeated for credit when topic varies.

MAS 610C Culture and Ideas 3

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

Notes: May be repeated for credit when topic varies.

MAS 610D Culture and Ideas 3

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

Notes: May be repeated for credit when topic varies.

MAS 610E Culture and Ideas 3

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

Notes: May be repeated for credit when topic varies.

MAS 610F Culture and Ideas 3

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

Notes: May be repeated for credit when topic varies.

MAS 620 Human Nature and Society 3

Issues concerning human nature, society, or political life through works or problems from the various social sciences.

Notes: May be repeated for credit when topic varies.

MAS 620A Human Nature and Society 3

Issues concerning human nature, society, or political life through works or problems from the various social sciences.

Notes: May be repeated for credit when topic varies.

MAS 620B Human Nature and Society 3

Issues concerning human nature, society, or political life through works or problems from the various social sciences.

Notes: May be repeated for credit when topic varies.

MAS 620C Human Nature and Society 3

Issues concerning human nature, society, or political life through works or problems from the various social sciences.

Notes: May be repeated for credit when topic varies.

MAS 630 Scientific Reasoning 3

Reflections on scientific reasoning and/or investigations of particular problems to illustrate scientific reasoning.

Notes: May be repeated for credit when topic varies.

MAS 630A Scientific Reasoning 3

Reflections on scientific reasoning and/or investigations of particular problems to illustrate scientific reasoning.

Notes: May be repeated for credit when topic varies.

MAS 650 Independent Study 1-3

Guided readings, research and individual project work on an interdisciplinary topic under direction of a faculty member.

Notes: May be repeated for a maximum of 6 credits when topic varies.

MAS 699 Thesis 1-6

Thesis.

MAS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MAS 801 Thesis Extension 1-3

Thesis Extension.

MAS 803 Research Extension 1-3

Research Extension.

Master of Business Administration (MBA)

MBA 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MBA 701 Quantitative Analysis for Decision Making 3

Quantitative methods and spreadsheet skills to support management practice and decision making. Topics include statistical hypothesis testing, confidence intervals, regression analysis, optimization modeling, decision analysis and risk analysis.

Prerequisites: Pre-MBA workshop in statistics and spreadsheet skills or a spreadsheet-based undergraduate course in probability and statistics.

MBA 702 Financial and Managerial Accounting 3

Introduction to financial and managerial accounting. Topics include financial statements, financial analysis of those statements, cost accounting, and accounting's role in managerial decision-making.

MBA 703 Economic Policies and Impact on Global Outcomes 3

Economic analysis of markets, and government intervention that addresses the sustainability of fiscal, monetary and exchange rate policy and their short-run and long-run impact on the global environment.

MBA 706 Marketing Management 3

Issues related to the marketing process, major trends and forces that are changing the marketing landscape, marketing information, building and managing brands, marketing strategy and roles of ethics in marketing.

MBA 707 Financial Management 3

Financial decision-making; time value of money, risk and return, valuation of securities, financial options, cost of capital, capital budgeting, working capital policy, financing decisions.

Prerequisites: MBA 701, MBA 702.

MBA 708 Operations for Competitive Advantage 3

The course examines design, operation, and control of organizations for gaining and maintaining competitive advantage in the market place. Strategic and tactical issues will be integrated with a systems approach.

Prerequisites: MBA 701.

MBA 712 Strategic Management 3

Examines the tools and techniques of strategic analysis, the formulation and implementation of competitive and corporate strategy for creating and sustaining competitive advantage.

Prerequisites: MBA 703, MBA 706, MBA 707, MBA 708, MBA 716, MBA 717.

Corequisites: MBA 703, MBA 717.

MBA 716 Leadership and Sustainable Business 3

Introduction to the values associated with ethics and sustainability relative to leadership, from idea formulation through communication within various constituencies across organizational contexts and communication media.

MBA 717 Technology and Innovation 3

The role of technology (including information technology, business intelligence, and data analytics) in innovation. Students will develop a technology-based actionable plan for an organization.

MBA 718 Global Business in Practice 3

Principles and practices of conducting business in a global environment.

MBA 719 Strategic Management in Action 3

Integration of tools and techniques of strategic analysis, formulation and implementation of competitive and corporate strategy. Students engage in professional consulting and/or experiential projects with local organizations.

Prerequisites: MBA 703, MBA 706, MBA 707, MBA 708, MBA 716, MBA 717.

Corequisites: MBA 703.

MBA 720 Investments 3

This course explores theories and applications related to portfolio theory, asset allocation and pricing, stock return predictability and anomalies, fixed income pricing and risk management using derivatives.

MBA 721 Financial Statement Analysis and Valuation 3

This course is about value. Emphasis is on equity analysis and valuation for public and private firms, but other types and purpose of valuation are covered.

Prerequisites: MBA 707.

MBA 724 Financial Institutions 3

Survey course intended for those interested in financial services careers and those with interest in general finance. Will cover financial institutions, investment funds, trading markets and financial market regulation.

MBA 730 Marketing Research 3

Defining the purpose of marketing research, selecting a data gathering method, writing a survey/questionnaire, and sampling methods. Using statistics and interpreting the results to make marketing decisions.

Prerequisites: MBA 706.

MBA 731 Brand Management 3

Examines brand management strategies, tools and decisions faced by organizations in planning, building and measuring brand equity for long term profitability.

MBA 732 Consumer Behavior 3

Applying behavioral theories to understand consumer consumption behaviors and the effect of environmental and psychological influences on the consumer decision-making process.

MBA 733 International Marketing Management 3

Activities that direct the flow of products to markets in a transnational, transcultural context; transcultural consumer behavior; channel strategy, physical distribution, promotion, and pricing.

Prerequisites: MBA 706.

MBA 741 Creating and Sustaining Competitive Advantage 3

Student teams will serve as consultants to area organizations and provide their managers with comprehensive solutions to strategic challenges.

Prerequisites: MBA 703, MBA 706, MBA 707, MBA 708, MBA 716, MBA 717.

Corequisites: MBA 703, MBA 717.

MBA 742 Organizational Internship 1.5-3

Academic and required work components allow students to gain organizational experience in an area of business. Course supervised by a designated graduate faculty member and an appropriate manager of the approved organization.

Prerequisites: MBA 706, MBA 707, MBA 708, MBA 717, or permission of MBA Program Director.

Notes: May be repeated for credit.

MBA 743 Directed Studies 1.5-3

Independent study of a business administration topic, not currently covered by courses in the MBA program, under the supervision of a faculty member(s).

Prerequisites: Completion of 12 hours or equivalent in the MBA program and permission of MBA Program Director.

Notes: May be repeated for a maximum of 6 hours credit when topic varies.

MBA 744 Special Topics in Business Administration 1.5,3

Specific course title identified each semester by the topical extension to the basic title: e.g., Special Topics in Business Law; Organizational Theory.

Notes: May be repeated for credit when topic varies.

MBA 745 Experience Business Abroad 1.5-3

Practices and principles involved in conducting business in a specified country. Lectures and seminars by local academicians and site visitations and lectures by foreign business people.

Prerequisites: Permission of MBA Director.

MBA 842X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Mathematics (MAT)

MAT 112 Contemporary Topics in Mathematics 3

Practical mathematical topics including set theory, properties and operations of number systems, algebra, geometry and consumer mathematics. Additional topics may be selected from logic, systems of numeration, and mathematical systems.

GE Core: GMT

Notes: Students may not receive credit for both MAT 112 and RCO 112.

MAT 115 College Algebra 3

Algebraic expressions, exponents, radicals, factoring, solving equations and inequalities, graphing, polynomial and rational functions.

GE Core: GMT

Notes: Credit can be earned for only one of MAT 115 or MAT 150.

MAT 120 Calculus with Business Applications 3

Introductory survey of differential calculus with emphasis on techniques and applications related to business and the social sciences.

GE Core: GMT

Prerequisites: An acceptable score on the mathematics placement test or a minimum grade of C (2.0) in at least one of: MAT 115, MAT 150, MAT 151, and/or MAT 190.

Notes: This course does not serve as a prerequisite for MAT 292 (Calculus II). This is a terminal course and not adequate preparation for MAT 292.

MAT 150 Precalculus I 3

Review of elementary algebra, equations, inequalities, relations, functions, transformations, graphing, complex numbers, polynomial and rational functions.

GE Core: GMT

Notes: Credit can be earned for only one of MAT 115 or MAT 150.

MAT 151 Precalculus II 3

Properties, graphs, and applications of exponential, logarithmic, trigonometric functions.

GE Core: GMT

Prerequisites: An acceptable score on the mathematics placement test or a grade of C or better in MAT 115 or MAT 150.

MAT 181 Experimental Course: Foundations of Calculus I 3

Foundational concepts that supplement topics covered in Calculus I.

Corequisites: MAT 191.

Notes: Grade: Pass/Not Pass (P/NP).

MAT 190 Precalculus 3

This course covers essential prerequisites for calculus. Topics include functions and graphs, equations and inequalities, polynomial and rational functions, trigonometry, functions of trigonometric, exponential, and logarithmic type.

GE Core: GMT

Prerequisites: Acceptable score on the mathematics placement test.

MAT 191 Calculus I 3

Limits and introductory differential calculus of the algebraic and transcendental functions of one variable.

GE Core: GMT

Prerequisites: An acceptable score on the mathematics placement test or a grade of C or better in MAT 151 (or MAT 190).

MAT 220 Plane and Solid Analytic Geometry 3

Study of conic sections (including rotation of axes), graphing with polar coordinates, quadric surfaces, and vectors.

Prerequisites: Grade of C or better in MAT 151 (or equivalent).

Notes: Hours do not count toward degree requirements for MATH major.

MAT 253 Discrete Mathematical Structures 3

A rigorous introduction to discrete mathematical structures, proof techniques, and programming. Topics include sets, functions, sequences, relations, induction, propositional and predicate logic, modular arithmetic, and mathematical programming.

Notes: Only one of MAT 253 or MAT 295 can count toward degree requirements for MATH major.

MAT 292 Calculus II 3

Introductory integral calculus of the algebraic and transcendental functions of one variable, techniques of integration.

GE Core: GMT

Prerequisites: Grade of C or better in MAT 191.

MAT 293 Calculus III 3

Infinite sequences and series, conic sections, polar coordinates, vectors in dimensions two and three, vector-valued functions.

Prerequisites: Grade of C or better in MAT 292.

MAT 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MAT 310 Elementary Linear Algebra 3

Linear systems, matrices, determinants, eigenvalues and eigenvectors, finite-dimensional vector spaces, linear transformations.

Prerequisites: Grade of C or better in MAT 292.

MAT 311 Introduction to Abstract Algebra 3

Sets and mappings, equivalence relations, mathematical induction, introduction to theory of groups, rings, and fields.

Prerequisites: Grade of C or better in MAT 253 and MAT 310.

MAT 320 Introduction to Topology 3

Metric spaces, continuity, equivalence of various types of definitions of continuity, convergence, compactness, connectedness, topological spaces.

Prerequisites: Minimum grade of C in MAT 293 and a minimum grade of C in one of MAT 253 or MAT 310 or CSC 250.

MAT 322 Linear Programming 3

Covers simplex computational procedure, minimum feasible solutions, artificial-basis technique, slack variables, perturbation techniques, cycling, parametric objective and dual problems, sensitivity analysis, and decomposition algorithms.

Prerequisites: Grade of C or better in MAT 310.

MAT 330 Axiomatic Foundations of Geometry 3

Axiomatic systems, logic and proof, incidence geometries, absolute geometries, Euclidean geometry, and an introduction to non-Euclidean geometries and transformational geometry.

Prerequisites: Grade of C or better in MAT 292.

Notes: Required for students seeking secondary licensure in mathematics.

MAT 349 Preparation for Industrial Careers in Mathematical Sciences 3

This course prepares mathematical sciences students for industrial careers by engaging them in research problems that come directly from industry.

Prerequisites: Permission of instructor.

MAT 353 Introduction to Discrete Mathematics 3

Elementary graph theory, combinatorics, partially ordered sets.

Prerequisites: Grade of C or better in MAT 253 or CSC 250.

MAT 390 Ordinary Differential Equations 3

First order differential equations and linear equations of finite order, Laplace transforms, undetermined coefficients, variation of parameters, applications, numerical methods.

Prerequisites: Grade of C or better in MAT 292.

MAT 394 Calculus IV 3

Multivariable functions, partial differentiation, multiple integrals, vector calculus.

Prerequisites: Grade of C or better in MAT 293.

MAT 395 Introduction to Mathematical Analysis 3

Properties of real numbers, sequences, limits of sequences and functions, continuity, differentiation, Riemann integral.

Prerequisites: Grade of C or better in MAT 253, MAT 293, and MAT 310.

MAT 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MAT 405 Foundations of Mathematics for Teaching I 3

Capstone survey of real and complex numbers; polynomial, rational, exponential, logarithmic, and trigonometric functions; calculus concepts. Special teaching problems and procedures for secondary topics in relation to their mathematical foundations.

Prerequisites: Grade of C (2.0) or better in MAT 310.

MAT 406 Foundations of Mathematics for Teaching II 4

Capstone survey of geometry, probability, data analysis, and discrete mathematics. Special teaching problems and procedures for secondary topics related to their mathematical foundations, including 50-hour internship in secondary math classroom.

Prerequisites: Minimum grade of C (2.0) in MAT 405 and minimum grade of C (2.0) in one of either MAT 311 or MAT 395. Admission to the Teacher Education Program.

MAT 413 Historical Development of Mathematics 3

Study of the historical development of mathematics, not a history of persons involved in development.

Prerequisites: Grade of C or better in MAT 292.

Notes: Hours do not count toward degree requirements for MATH major nor for the M.A. degree in Mathematics.

MAT 414 Theory of Numbers 3

An introductory course to both multiplicative and additive number theory. Divisibility, prime numbers, congruencies, linear and nonlinear Diophantine equations (including Pell's equation), quadratic residues, number-theoretic functions, and other topics.

Prerequisites: Grade of C or better in either MAT 311 or MAT 395.

MAT 415 Mathematical Logic 3

Formal languages, recursion, compactness, and effectiveness. First-order languages, truth, and models. Soundness and completeness theorems. Models of theories.

Prerequisites: Grade of C or better in MAT 311 (or MAT 353).

MAT 416 Intermediate Abstract Algebra 3

Rings, integral domains, fields, division algorithm, factorization theorems, zeros of polynomials, greatest common divisor, formal derivatives, prime polynomials, Euclidean domains, the fundamental theorem of algebra.

Prerequisites: Grade of C or better in MAT 311.

MAT 417 Theory of Groups 3

Elementary properties of groups and homomorphisms, quotients and products of groups, the Sylow theorems, structure theory for finitely generated abelian groups.

MAT 419 Intuitive Concepts in Topology 3

Basic concepts, vector fields, the Jordan curve theorem, surfaces, homology of complexes, continuity.

Prerequisites: Grade of C or better in MAT 311 (or MAT 395).

MAT 420 Non-Euclidean Geometry 3

Fifth postulate, hyperbolic geometries, elliptic geometries, consistency of non-Euclidean geometries, models for geometries, elements of inversion.

Prerequisites: Grade of C or better in MAT 311 (or MAT 395).

MAT 421 Projective Geometry 3

Transformation groups and projective, affine and metric geometries of the line, plane, and space. Homogeneous coordinates, principles of duality, involutions, cross-ratio, collineations, fixed points, conics, models, and Euclidean specializations.

Prerequisites: Permission of instructor.

MAT 422 Introductory Functional Analysis 3

Basic concepts in Banach spaces, Hilbert spaces, linear operators, and their applications.

Prerequisites: Grade of C or better in MAT 395.

MAT 423 Numerical Methods 3

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

Prerequisites: A grade of at least C in MAT 293.

MAT 425 Intermediate Mathematical Analysis 3

Integration, infinite series, sequences and series of functions.

Prerequisites: Grade of C or better in MAT 395.

MAT 427 Numerical Methods 3

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

Prerequisites: A grade of at least C in MAT 293.

MAT 431 Combinatorial Analysis 3

he pigeon-hole principle, permutations, combinations, generating functions, principle of inclusion and exclusion, distributions, partitions, recurrence relations.

Prerequisites: Grade of C or better in MAT 253 (or MAT 295 or MAT 311 or MAT 395). or permission of instructor.

MAT 432 Introductory Graph Theory 3

Basic concepts, graph coloring, trees, planar graphs, networks.

Prerequisites: Grade of C or better in MAT 310 and any one of the courses MAT 253, MAT 295, MAT 311, MAT 395, MAT 431.

MAT 435 Differential Equations and Orthogonal Systems 3

An introduction to Fourier series and orthogonal sets of functions, with applications to boundary value problems.

Prerequisites: Grade of C or better in MAT 293 and MAT 390. or permission of instructor.

MAT 436 Partial Differential Equations with Applications 3

Fourier integrals, Bessel functions, Legendre polynomials and their applications. Existence and uniqueness of solutions to boundary value problems.

Prerequisites: Grade of C or better in MAT 435.

MAT 439 Topics in Applied Mathematics 3

Selected topics of current interest in applied mathematics.

Prerequisites: Grade of C or better in MAT 293 and MAT 390. or permission of instructor;

Notes: May be repeated for credit with approval of the Department Head.

MAT 440 Introductory Complex Analysis 3

The complex number system, holomorphic functions, power series, complex integration, representation theorems, the calculus of residues.

Prerequisites: Grade of C or better in MAT 394.

MAT 441 Stochastic Processes 3

Markov processes, Markov reward processes, queuing, decision making, graphs, and networks. Applications to performance, reliability, and availability modeling.

Prerequisites: Grade of C or better in MAT 394 and MAT 353. or equivalents.

MAT 442 Stochastic Processes 3

Markov processes, Markov reward processes, queuing, decision making, graphs, and networks. Applications to performance, reliability, and availability modeling.

Prerequisites: Grade of C or better in MAT 394 and MAT 353. or equivalents.

MAT 465 Student Teaching and Seminar-Secondary Mathematics 12

Supervised student teaching in senior high school under direction of university supervisor. Observation, participation, and appropriate classroom teaching experience on full-time teaching assignment for full semester with weekly seminar.

Prerequisites: MAT 406. Admission to the Teacher Education Program.

MAT 486 Financial Mathematics for Actuaries 3

Measurement of interest, present and accumulated value, amortization, sinking funds, bonds, duration, immunization, and an introductory analysis of financial derivatives. Intended to help prepare for the FM/2 actuarial exam.

Prerequisites: Minimum grade of C (2.0) in MAT 394 or permission of instructor. Graduate students in MA in Mathematics, Ph.D. students in Computational Mathematics, or undergraduate students in the accelerated BS to MA in Mathematics.

MAT 488 Directed Study in Mathematics 1-3**MAT 490 Senior Seminar in Mathematics 3**

Oral presentations on topics in mathematics, including current mathematics literature.

Prerequisites: Senior standing and mathematics major, or permission of instructor.

MAT 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

MAT 494 Directed Study in Mathematics 1-3**MAT 503 Problem Solving in Mathematics 3**

Investigates the nature of problem solving, covers procedures involved in problem solving, develops individual problem solving skills, and collects a set of appropriate problems. Required for middle grades mathematics concentration.

Prerequisites: Grade of at least C in MAT 191 and MAT 303 or permission of instructor.

Notes: Hours do not count toward degree requirements for Mathematics majors. This course cannot be applied toward the requirements for the M.A. degree in Mathematics.

MAT 505 Foundations of Mathematics for Teachers 3

Primarily for students seeking teacher certification. Includes properties and algebra of real numbers; analytic geometry; polynomial, rational, exponential, logarithmic, and trigonometric functions; complex numbers; concept of limits of functions.

Prerequisites: Grade of C or better in MAT 292 (or MAT 303). or permission of instructor;

Notes: Hours do not count toward degree requirements for MATH major nor for the M.A. degree in Mathematics.

MAT 513 Historical Development of Mathematics 3

Study of the historical development of mathematics, not a history of persons involved in development.

Prerequisites: Grade of C or better in MAT 292.

Notes: Hours do not count toward degree requirements for MATH major nor for the M.A. degree in Mathematics.

MAT 591 Advanced Abstract Algebra 3

Groups: homomorphisms, quotient groups, Sylow theorems, finitely generated abelian groups. Rings: homomorphisms, ideals, quotient rings, integral domains, Euclidean domains, factorization. Fields: algebraic extensions of fields, Galois theory.

Prerequisites: Grade of C or better in MAT 516.

MAT 593 Directed Study in Mathematics 1-3**MAT 594 Directed Study in Mathematics 1-3****MAT 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MAT 601 Seminar in the Teaching of Mathematics I 1

Seminar on practices and principles of undergraduate teaching in mathematics and statistics.

Notes: Required for all teaching assistants. Grade: Satisfactory/Unsatisfactory (S/U).

MAT 602 Seminar in Mathematical Software 3

Variety of issues in the design of mathematical software, i.e., type systems, user interfaces, and memory management. Each student investigates one computer algebra system more closely.

Prerequisites: Knowledge of a programming language.

MAT 603 Practicum in the Teaching of Mathematics 2

Practicum in teaching mathematics at the college/university level. Topics include course design, class materials, exams, grading, syllabus, choosing textbooks, dealing with difficult matters, and mathematical typesetting.

Corequisites: MAT 601.

MAT 614 Theory of Numbers 3

An introductory course to both multiplicative and additive number theory. Divisibility, prime numbers, congruencies, linear and nonlinear Diophantine equations (including Pell's equation), quadratic residues, number-theoretic functions, and other topics.

Prerequisites: Grade of C or better in either MAT 311 or MAT 395.

MAT 617 Theory of Groups 3

Elementary properties of groups and homomorphisms, quotients and products of groups, the Sylow theorems, structure theory for finitely generated abelian groups.

MAT 619 Intuitive Concepts in Topology 3

Basic concepts, vector fields, the Jordan curve theorem, surfaces, homology of complexes, continuity.

Prerequisites: Grade of C or better in MAT 311 (or MAT 395).

MAT 620 Non-Euclidean Geometry 3

Fifth postulate, hyperbolic geometries, elliptic geometries, consistency of non-Euclidean geometries, models for geometries, elements of inversion.

Prerequisites: Grade of C or better in MAT 311 (or MAT 395).

MAT 621 Projective Geometry 3

Transformation groups and projective, affine and metric geometries of the line, plane, and space. Homogeneous coordinates, principles of duality, involutions, cross-ratio, collineations, fixed points, conics, models, and Euclidean specializations.

Prerequisites: Permission of instructor.

MAT 622 Introductory Functional Analysis 3

Basic concepts in Banach spaces, Hilbert spaces, linear operators, and their applications.

Prerequisites: Grade of C or better in MAT 395.

MAT 623 Numerical Methods 3

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

Prerequisites: A grade of at least C in MAT 293.

MAT 625 Intermediate Mathematical Analysis 3

Integration, infinite series, sequences and series of functions.

Prerequisites: Grade of C or better in MAT 395.

MAT 627 Numerical Methods 3

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

Prerequisites: A grade of at least C in MAT 293.

MAT 631 Combinatorial Analysis 3

The pigeon-hole principle, permutations, combinations, generating functions, principle of inclusion and exclusion, distributions, partitions, recurrence relations.

Prerequisites: Grade of C or better in MAT 253 (or MAT 295 or MAT 311 or MAT 395) or permission of instructor.

MAT 632 Introductory Graph Theory 3

Basic concepts, graph coloring, trees, planar graphs, networks.

Prerequisites: Grade of C or better in MAT 310 and any one of the courses MAT 253, MAT 295, MAT 311, MAT 395, MAT 531.

MAT 635 Differential Equations and Orthogonal Systems 3

An introduction to Fourier series and orthogonal sets of functions, with applications to boundary value problems.

Prerequisites: Grade of C or better in MAT 293 and MAT 390. or permission of instructor.

MAT 636 Partial Differential Equations with Applications 3

Fourier integrals, Bessel functions, Legendre polynomials and their applications. Existence and uniqueness of solutions to boundary value problems.

Prerequisites: Grade of C or better in MAT 545.

MAT 639 Topics in Applied Mathematics 3

Selected topics of current interest in applied mathematics.

Prerequisites: Grade of C or better in MAT 293 and MAT 390. or permission of instructor;

Notes: May be repeated for credit with approval of the Department Head.

MAT 640 Introductory Complex Analysis 3

The complex number system, holomorphic functions, power series, complex integration, representation theorems, the calculus of residues.

Prerequisites: Grade of C or better in MAT 394.

MAT 641 Stochastic Processes 3

Markov processes, Markov reward processes, queuing, decision making, graphs, and networks. Applications to performance, reliability, and availability modeling.

Prerequisites: Grade of C or better in MAT 394 and MAT 353. or equivalents.

MAT 642 Stochastic Processes 3

Markov processes, Markov reward processes, queuing, decision making, graphs, and networks. Applications to performance, reliability, and availability modeling.

Prerequisites: Grade of C or better in MAT 394 and MAT 353. or equivalents.

MAT 659 Advanced Topics in Mathematics 3

Topics vary according to interest and demand, and include algebra, applied mathematics, combinatorics, dynamics, mathematical logic, topology, and other topics.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

MAT 686 Financial Mathematics for Actuaries 3

Measurement of interest, present and accumulated value, amortization, sinking funds, bonds, duration, immunization, and an introductory analysis of financial derivatives. Intended to help prepare for the FM/2 actuarial exam.

Prerequisites: Minimum grade of C (2.0) in MAT 394 or permission of instructor. Graduate students in MA in Mathematics, Ph.D. students in Computational Mathematics, or undergraduate students in the accelerated BS to MA in Mathematics.

MAT 687 Project in Mathematics 3

Directed research project in Mathematics.

Prerequisites: Admission to the MA in Mathematics and Permission of Instructor.

MAT 691 Advanced Abstract Algebra 3

Groups: homomorphisms, quotient groups, Sylow theorems, finitely generated abelian groups. Rings: homomorphisms, ideals, quotient rings, integral domains, Euclidean domains, factorization. Fields: algebraic extensions of fields, Galois theory.

Prerequisites: Grade of C or better in MAT 516.

MAT 692 Advanced Abstract Algebra 3

Groups: homomorphisms, quotient groups, Sylow theorems, finitely generated abelian groups. Rings: homomorphisms, ideals, quotient rings, integral domains, Euclidean domains, factorization. Fields: algebraic extensions of fields, Galois theory.

Prerequisites: Grade of C or better in MAT 516.

MAT 695 Mathematical Analysis 3

Real number axioms, metric spaces, sequences, series, continuity, differentiation, the Riemann-Stieltjes integral.

Prerequisites: MAT 395 or permission of instructor.

MAT 696 Mathematical Analysis 3

Real number axioms, metric spaces, sequences, series, continuity, differentiation, the Riemann-Stieltjes integral.

Prerequisites: MAT 395 or permission of instructor.

MAT 699 Thesis 1-6**MAT 701 Graduate Seminar in Computational Mathematics 3**

Readings from the literature of computational mathematics.

Prerequisites: MAT 748 or permission of instructor.

Notes: May be repeated for credit when topic varies.

MAT 709 Topics in Computational Mathematics 3

Advanced study in special topics in computational mathematics.

Prerequisites: MAT 748 or permission of instructor.

Notes: May be repeated for credit when topic varies.

MAT 721 Mathematical Cryptography 3

Mathematics of cryptography with emphasis on public key systems. Applications of elliptic and hyperelliptic curves and lattice theory in attacking and evaluating the security of cryptographic systems.

Prerequisites: MAT 748 or permission of instructor.

MAT 723 Numerical Mathematics 3

Functional analytic treatment of computation, approximation, optimization, interpolation, smoothing equations, linear systems, differential equations. Emphasis on the mathematical development and analysis of numerical techniques.

Prerequisites: MAT 390, MAT 595, MAT 596, or equivalents.

MAT 726 Finite Element Methods 3

Introduce the fundamental concepts of the finite element method for approximating solutions to boundary and initial boundary value problems. Topics include modeling, mathematical formulations, convergence analysis, and computer implementation.

Prerequisites: A grade of B or better in MAT 727.

MAT 727 Linear Algebra and Matrix Theory 3

Vector spaces. Linear operators and similarity. The eigenvalue problem and a special decomposition theorem. Normal forms: Smith form for matrices, rational and Jordan forms. Spectral resolution of matrix functions. Special topics.

Prerequisites: MAT 310, MAT 311 or permission of instructor.

MAT 728 Linear Algebra and Matrix Theory 3

Vector spaces. Linear operators and similarity. The eigenvalue problem and a special decomposition theorem. Normal forms: Smith form for matrices, rational and Jordan forms. Spectral resolution of matrix functions. Special topics.

Prerequisites: MAT 310, MAT 311 or permission of instructor.

MAT 735 Ordinary Differential Equations 3

Existence and uniqueness theorems for initial value problems, theory of linear equations, nonlinear equations, stability theory, boundary value problems.

Prerequisites: MAT 390 and MAT 595 or permission of instructor.

MAT 736 Partial Differential Equations 3

Derivation of partial differential equations (PDE) models and applications, linear first order PDE's, elliptic equations and Green's function, PDE's of parabolic and hyperbolic type.

Prerequisites: MAT 735 or permission of instructor.

MAT 737 General Topology 3

Topological spaces, point set topology, product and quotient spaces, embedding and metrization, uniform spaces, function spaces, homotopy theory, simplicial complexes and homology, more algebraic topology, general homology theories.

Prerequisites: Bachelor's degree with a major in mathematics. Credits equivalent to credits for mathematics MAT 310, MAT 311, MAT 595, and MAT 596, or permission of instructor and department head.

MAT 740 Modern Abstract Algebra 3

Real and complex number fields; rings, integral domains and fields; polynomial rings; extensions of rings and fields; elementary factorization theory; ideals; topics in linear algebra.

MAT 741 Modern Abstract Algebra 3

Real and complex number fields; rings, integral domains and fields; polynomial rings; extensions of rings and fields; elementary factorization theory; ideals; topics in linear algebra.

Prerequisites: Bachelor's degree with a major in mathematics. Credits equivalent to credits for mathematics MAT 310, MAT 311, MAT 595, and MAT 596, or permission of instructor and department head.

MAT 742 Computational Number Theory 3

Main algorithms used to compute basic information about algebraic number fields, including integral bases, ideal factorization, system of fundamental units, and class group structure.

Prerequisites: MAT 748 or permission of instructor.

MAT 743 Complex Analysis 3

The complex number system, holomorphic functions, power series, complex integration, representation theorems, the calculus of residues.

Prerequisites: Bachelor's degree with a major in mathematics. Credits equivalent to credits for mathematics MAT 310, MAT 311, MAT 595, and MAT 596, or permission of instructor and department head.

MAT 745 Real Analysis 3

Lebesgue measure; the Lebesgue integral; differentiation and integration, the classical Banach spaces; metric spaces, topological spaces, compact spaces; Banach spaces, measure and integration, measure and outer measure; the Daniell integral; mappings of measure spaces.

Prerequisites: Bachelor's degree with a major in mathematics. Credits equivalent to credits for mathematics MAT 310, MAT 311, MAT 595, and MAT 596, or permission of instructor and department head.

MAT 746 Real Analysis 3

Lebesgue measure; the Lebesgue integral; differentiation and integration, the classical Banach spaces; metric spaces, topological spaces, compact spaces; Banach spaces, measure and integration, measure and outer measure; the Daniell integral; mappings of measure spaces.

Prerequisites: Bachelor's degree with a major in mathematics. Credits equivalent to credits for mathematics MAT 310, MAT 311, MAT 595, and MAT 596, or permission of instructor and department head.

MAT 747 Computational Topology 3

Triangulations and WRAP. Computing homology algorithmically. Morse theory and persistent homology. Computations on knots, braids, and links.

Prerequisites: MAT 748 or permission of instructor.

MAT 748 Computational Algebra 3

Variety of basic subjects in computational algebra: fast arithmetic, algorithms for finite fields, matrix normal forms over rings, polynomial factorization, and Groebner bases.

Prerequisites: MAT 591, MAT 592, and knowledge of a programming language. or permission of instructor.

MAT 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MAT 790 Directed Doctoral Research 1-6

Individual work on a dissertation research problem, which could also include original research or a review of current literature leading to a dissertation proposal.

Prerequisites: Permission of Director of Graduate Study.

MAT 799 Dissertation 1-12**MAT 801 Thesis Extension 1-3**

Thesis Extension.

MAT 802 Dissertation Extension 1-3

Dissertation Extension.

Media Studies (MST)

MST 100 Understanding Media 3

Introduction to the discipline of Media Studies with emphasis on industry development, delivery systems, and audiences in a changing media landscape.

MST 190 WUAG Workshop 1

Supervised participation in radio broadcasting or program production at the campus radio station WUAG.

Notes: May be repeated for credit for a maximum of 3 s.h.

MST 195 Spartan Television Workshop 1

Supervised participation in the production of television programming and promotion of Spartan Television.

Notes: May be repeated for credit for a maximum of 3 s.h.

MST 204 Media Writing 3

Introduction to theory and practice of media writing with concentrated exercises in developing messages and shaping those messages to the demands and characteristics of various media.

Prerequisites: Media Studies major or permission of instructor.

MST 205 Media Literacy 3

Introduction to the critical analysis of media, its impacts, and its methods.

MST 225 Film Appreciation 3

Analysis of selected, significant motion pictures of the world's cinema, from the silent period to the present.

GE Core: GFA

MST 226 Television Appreciation 3

Analysis of the cultural and artistic significance of selected television programs.

GE Core: GFA

MST 252 Creative Process in Film and Video 3

Various approaches for the enhancement of the visual imagination, emphasizing the origination of ideas and their development into scripts for film and video.

MST 270 Introduction to Media Production for Non-majors 3

Introduction to the basic aesthetic and technical concepts in media production and postproduction editing.

Prerequisites: Non-Media Studies majors.

MST 271 Introduction to Media Production 3

Introduction to techniques of media production with emphasis on video capture and editing.

Prerequisites: Media Studies major.

MST 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MST 302 Introduction to Film History 3

Introduction to the study of international film history from the late 19th century to the present.

Prerequisites: MST 225.

MST 303 History of Electronic Media 3

Emergence, structure, and scope of radio, television, and the Internet. Examination of broadcasting theories and practices and the influences the media forms have had on individuals and society.

MST 305 Digital Media 3

Introduction to the history, development, culture, law, ethics, impact, and use of global digital media with international perspectives and with hands-on practice.

MST 321 Topics in Film and Pop Culture 3

Focusing on variable topics; examines film as a reflection of and expression of culture.

Prerequisites: MST 225.

Notes: May be repeated for credit when topic changes.

MST 322 Media Programming 3

Analysis of program sources for radio, television, cable, and the Internet.

MST 325 Gender and Media Culture 3

Examination of the nature of media contents and production processes as they influence the construction of feminine and masculine identities.

GE Core: GSB

MST 326 News Analysis 3

Analysis of news practices and presentation across multiple media and formats from a variety of theoretical, philosophical, and historical perspectives.

MST 327 Non-Western Film: Asian 3

Study of films from Southeast Asia: Mainland China, Taiwan, Hong Kong, Japan, and Korea.

GE Marker: GN

MST 330 Cult Films 3

Explores cultural contexts and technological developments that help form small but influential cults around certain films. Students will learn how taboo-breaking fringe filmmaking impacts mainstream cinema and culture.

MST 341 Broadcast Newswriting 3

Writing and planning newscasts for broadcast media.

Prerequisites: Media Studies major or Radio minor. or permission of instructor.

MST 343 Creative Copywriting 3

Analysis of persuasive media and examination of radio, television, and Internet advertising techniques with emphasis on developing writing skills for electronic media advertising and promotional campaigns.

MST 350 Writing for the Screen 3

Study of techniques of script writing, both adaptations and original material.

Prerequisites: Media Studies major or permission of instructor.

MST 361 Radio and Television Announcing 3

Theory and practice of announcing skills and techniques in radio and television broadcasting.

Prerequisites: Media Studies major or Radio minor or permission of instructor.

MST 370 Single Camera Production I 3

Introduction to narrative filmmaking, using moving images and sound to convey stories and ideas. Emphasis is given to narrative conceptualization and technical skills.

Prerequisites: MST 271.

MST 372 Media Sound Production 3

Techniques and aesthetics of digital sound design for the moving image.

Prerequisites: MST 271 or permission of instructor.

MST 373 TV and Film Lighting 3

Principles of light and color in lighting for television and film production. Application of the equipment and accessories used in the execution of lighting design through practical projects.

Prerequisites: MST 271.

MST 375 Editing I 3

Development of practical editing skills in pacing, shot selection, and the workflow necessary for delivery.

Prerequisites: MST 271. Media Studies major; or permission of instructor.

MST 395 Special Problems 1-3

Guided individual study in an area of special interest to the student.

Prerequisites: Permission of faculty supervisor is required prior to registration.

Notes: May be repeated for credit.

MST 398 Spartan Sportslink Practicum 2

Supervised participation in the live video production of UNCG Athletics events.

Notes: May be repeated once for credit.

MST 399 Independent Study 3

Guided practice in a creative area of media.

Prerequisites: Permission of faculty supervisor required prior to registration.

Notes: May be repeated for credit.

MST 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MST 407 Media Law and Ethics 3

Study of media law and questions of ethics as they apply to the mass media.

MST 415 Film Theory 3

Study of the principal theories of film through the writings of critics, theorists, and directors.

Prerequisites: Junior or senior standing, or permission of instructor.

MST 420 History of Film to 1938 3

Advanced study of world cinema from its prehistory in the late 19th century to the beginning of World War II in Europe, emphasizing significant movements, genres, and filmmakers.

Prerequisites: MST 225. Junior or senior standing; or permission of instructor.

MST 421 History of Film since 1938 3

Advanced study of world cinema from the beginning of World War II in Europe through the present, emphasizing significant movements, genres, and filmmakers.

Prerequisites: MST 225. Junior or senior standing; or permission of instructor.

MST 423 Movies that Matter 3

Examines films with social issue themes. Of late, fewer such films have been made; we will look at their relevance while examining the shifting corporate ownership of studios.

Prerequisites: Junior or senior standing.

MST 424 Media Financing and Distribution 3

The processes of raising and budgeting funds and distributing film and videos for theatrical release, direct DVD/video release, or television broadcast.

MST 425 Media Organization and Management 3

Advanced study of world cinema from its prehistory in the late 19th century to the beginning of World War II in Europe, emphasizing significant movements, genres, and filmmakers.

Prerequisites: MST 225. Junior, senior, or graduate standing; or permission of instructor.

MST 427 Topics in Film Studies 3

Study of selected topics in fictive or nonfictive films, including genres, works of an individual director, or other emphasis.

Prerequisites: MST 225. Junior or senior standing; or permission of instructor;

Notes: May be repeated for credit when topic changes.

MST 428 Topics in Electronic Media 3

Study of selected topics in fictive or non-fictive programming for the electronic media including genres, delivery systems, or other emphasis.

Notes: May be repeated for credit when topic changes.

MST 441 Video Journalism 3

Study and practice of electronic news reporting skills and newscasting. Focus on writing news copy; reporting, shooting, and editing news packages; basic newscast production techniques.

Prerequisites: MST 271 and MST 341.

MST 450 Media Script Analysis 3

Analysis of the key structural and thematic elements of narrative screenplays.

Prerequisites: Junior or senior standing, or permission of instructor.

MST 451 Writing the Feature Film I 3

Advanced study of screenwriting with emphasis on the creation of a step outline for a feature length screenplay.

Prerequisites: MST 350 or permission of instructor.

MST 452 Writing the Feature Film II 3

A writing workshop in which students complete the first draft and a polish of a feature-length screenplay, based on the outline from MST 451.

Prerequisites: MST 451.

MST 453 Advanced Media Writing 3

Practice in television script writing with emphasis given to development of concepts and proposals for episodic television. Practice in analyzing and writing for existing television series and/or development of new programs.

Prerequisites: Junior or senior standing. or permission of instructor.

MST 459 Doing Visual History 3

Explores the interstices of history, documentary production, and personal narratives.

MST 468 Sportscasting 3

Development of announcing skills and knowledge of sports necessary for sports broadcasting including play-by-play.

Prerequisites: Media Studies major, Radio minor, or permission of instructor.

MST 470 Single Camera Production II 3

Further study and practice of narrative filmmaking using moving images and sound. Emphasis is given to collaboration on more advanced projects.

Prerequisites: MST 370 or permission of instructor.

MST 471 Editing II 3

Survey of the history, aesthetics, and techniques in sequencing moving images.

Prerequisites: MST 272 or MST 375. Media Studies major; or permission of instructor.

MST 480 Directing for Television 3

Fundamental principles of directing for television. Laboratory directing experience.

Prerequisites: Junior or senior standing, or permission of instructor.

MST 481 Dance on Video 3

Introduction to working with dance and video, including composing for the camera, recording dancers in action, and editing footage to create original work.

Prerequisites: MST 271 or permission of instructor.

MST 483 Advanced Media Production 3

Advanced application of principles and techniques of media production.

Prerequisites: MST 271. Media Studies majors only;

Notes: May be repeated for credit when topic varies.

MST 485 Client Based Production 3

Collaborative work on the production of a client sponsored program.

Emphasis on collaboration in a timely, professional manner in an environment in which students may not have complete creative control.

Prerequisites: MST 271 and MST 272 (or MST 375). or permission of instructor;

Notes: May be repeated for a total of 6 s.h.

MST 487 Animation Production 3

Study and practice of techniques of animation.

Prerequisites: MST 370 and MST 375. or permission of instructor.

MST 488 Documentary Production 3

Documentary construction, research, planning, and production techniques. Further development of video production skills in supervised laboratory project.

Prerequisites: MST 370 and MST 375. or permission of instructor.

MST 490 Advanced WUAG Workshop 1

Supervised participation at an advanced level of radio broadcasting or program production at the campus radio station WUAG.

Notes: May be repeated for credit for a maximum of 3 s.h.

MST 492 Media Internship 1-6

Field learning experience in media industries. Academic supervision provided by faculty member and direction in the field provided by job supervisor.

Prerequisites: Restricted to Media Studies majors and permission of the Director of Internships.

Notes: May be repeated for credit for total of 6 s.h.

MST 495 Advanced Spartan Television Workshop 1

Supervised participation at an advanced level in the production of television programming and promotion of Spartan Television.

Notes: May be repeated for credit for a maximum of 3 s.h.

MST 497 Advanced Media Production Practicum 1-3

Advanced, in-depth, hands-on exposure to the many aspects of the production and postproduction process of film and electronic visualization.

Prerequisites: Permission of instructor.

Notes: May be repeated for a total of three (3) semester hours.

MST 520 History of Film to 1938 3

Advanced study of world cinema from its prehistory in the late 19th century to the beginning of World War II in Europe, emphasizing significant movements, genres, and filmmakers.

Prerequisites: MST 225. Graduate standing; or permission of instructor.

MST 521 History of Film since 1938 3

Advanced study of world cinema from the beginning of World War II in Europe through the present, emphasizing significant movements, genres, and filmmakers.

Prerequisites: MST 225. Graduate standing; or permission of instructor.

MST 524 Media Financing and Distribution 3

The processes of raising and budgeting funds and distributing film and videos for theatrical release, direct DVD/video release, or television broadcast.

MST 525 Media Organization and Management 3

Principles and practices of the organization and management of electronic media and motion pictures.

Prerequisites: Junior, senior, or graduate standing. or permission of instructor.

MST 528 Topics in Film Studies 3

Study of selected topics in fictive or nonfictive films, including genres, works of an individual director, or other emphasis.

Prerequisites: MST 225. graduate standing; or permission of instructor;

Notes: May be repeated for credit when topic changes.

MST 550 Media Script Analysis 3

Analysis of the key structural and thematic elements of narrative screenplays.

Prerequisites: Graduate standing or permission of instructor.

MST 551 Writing the Feature Film I 3

Advanced study of screenwriting with emphasis on the creation of a step outline for a feature length screenplay.

Prerequisites: MST 350, or graduate standing, or permission of instructor.

MST 552 Writing the Feature Film II 3

A writing workshop in which students complete the first draft and a polish of a feature-length screenplay, based on the outline from MST 551.

Prerequisites: MST 551.

MST 553 Advanced Media Writing 3

Practice in television script writing with emphasis given to development of concepts and proposals for episodic television. Practice in analyzing and writing for existing television series and/or development of new programs.

Prerequisites: Graduate standing or permission of instructor.

MST 580 Directing for Television 3

Fundamental principles of directing for television. Laboratory directing experience.

Prerequisites: Graduate standing or permission of instructor.

MST 581 Dance on Video 3

Introduction to working with dance and video, including composing for the camera, recording dancers in action, and editing footage to create original work.

Prerequisites: MST 271, or graduate standing, or permission of instructor.

MST 587 Animation Production 3

Study and practice of techniques of animation.

Prerequisites: MST 370 and MST 375. or Graduate standing; or permission of instructor.

MST 588 Documentary Production 3

Documentary construction, research, planning, and production techniques. Further development of video production skills in supervised laboratory project.

Prerequisites: MST 370 and MST 375. or Graduate standing; or permission of instructor.

MST 803 Research Extension 1-3

Research Extension.

Middle College (MCP)

MCP 199 Middle College - Freshman 0

MCP 299 Middle College - Sophomore 0

MCP 399 Middle College - Junior 0

MCP 499 Middle College - Senior 0

Military Science (MSC)

MSC 100 Military Science 1-3

MSC 100L Military Science Lab 4

MSC 150 Military Science 1-3

MSC 150L Military Science Lab 4

MSC 200 Military Science 1-3

MSC 200L Military Science Lab 4

MSC 250 Military Science 1-3

MSC 250L Military Science Lab 4

MSC 300 Military Science 1-3

MSC 300L Military Science 4

MSC 350 Military Science 1-3

MSC 350L Military Science Lab 4

MSC 400 Military Science 3

MSC 400L Military Science Lab 4

MSC 450 Military Science 1-3

MSC 450L Military Science Lab 4

Music Education (MUE)

MUE 090 Music Education Convocation 0

Monthly presentations by music education majors, faculty and guests. See Student Information Manual.

MUE 110 Foundational Orientation to Music Education 1

Overview of music education at UNCG and P-12 music teaching.

Designed to enable students to make early career choices. Students will study the music curriculum and its place in schools.

Prerequisites: Admission to Music Education Major (MEDU)

MUE 111 Foundational Teaching Techniques in Music 2

Students will explore sequential processes of musical development, skills, content, methods, techniques and materials concerning the singing voice, classroom listening, sight reading, movement, and music series books.

Prerequisites: MUE 110.

MUE 208 Introduction to Teaching Instrumental Music 2

Introduction to the fundamentals of teaching instrumental music in the public schools. Includes pedagogical and performance skills in a laboratory setting.

Prerequisites: MEDU major with Choral/General Music Education concentration, and MUE 111. or permission of instructor;

Notes: Required: MEDU major with Choral/General Music Education concentration.

MUE 209 Introduction to Teaching Choral Music 2

Introduction to choral methods at the secondary level. Includes vocal laboratory.

Prerequisites: MEDU major with Instrumental/General Music Education concentration. admission to the Teacher Education Program; junior standing or permission of instructor.

MUE 261 Foundations of Teaching for Musical Understanding 2

Overview of the teaching of all musical elements within a developmentally appropriate P–12 general music curricular framework. Emphasizes theories of learning and development in relation to music.

Prerequisites: MUE 110 and either MUE 111 or MUE 363 or MUE 364 or MUE 365 or MUE 366. or permission of instructor.

MUE 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUE 356 Foundations of Teaching Vocal Music 3

Survey of secondary school choral music materials, instruction, rehearsal strategy, evaluation, and program organization; includes supervised teaching practicum. Content in cultural diversity and exceptional learners will be explored in detail.

Prerequisites: MUE 261. admission to the Teacher Education Program; junior standing; or permission of instructor.

MUE 357 Marching Band Techniques 3

Study of marching band techniques, including drill design, auxiliary units, personnel and equipment management.

Prerequisites: Admission to the Teacher Education Program. junior standing or permission of instructor.

MUE 361 Music for Preschool and Elementary Teachers 3

Preschool and elementary school music and its place in preschool and K–5 curricula. Emphasis on music fundamentals, materials, teaching techniques, evaluation, and interrelationship of the arts.

Prerequisites: Junior standing or permission of instructor.

MUE 363 Teaching Strings Laboratory 2

Class instruction in orchestral bowed string instruments. Covers performance, pedagogy, and literature for teaching at elementary/intermediate level. Required: instrumental music education majors.

Prerequisites: MEDU major or permission of instructor.

MUE 364 Teaching Brass Laboratory 2

Class instruction in brass instruments. Covers performance, pedagogy, and literature for teaching at elementary level. Required: instrumental music education majors.

Prerequisites: MEDU major or permission of instructor .

MUE 365 Teaching Woodwinds Laboratory 2

Class instruction in woodwind instruments. Covers performance, pedagogy, and literature for teaching at elementary/intermediate level. Required: instrumental music education majors.

Prerequisites: MEDU major or permission of instructor.

MUE 366 Teaching Percussion Laboratory 2

Class instruction in orchestral basic percussion instruments. Covers performance, pedagogy, and literature for teaching at elementary level. Required: instrumental music education majors.

Prerequisites: MEDU major or permission of instructor .

MUE 367 Foundations of Teaching Instrumental Music 4

Philosophies and methods of organizing and teaching instrumental music in the schools. Includes planning and implementing pedagogic techniques in laboratory sessions. Cultural diversity and exceptional learner content explored in detail.

Prerequisites: MUE 261, MUE 363, MUE 364, MUE 365, and MUE 366. admission to the Teacher Education Program; junior standing or permission of instructor.

MUE 368 Instrument Repair 1

Mechanics of brass, woodwind, percussion, and stringed instruments, plus laboratory time to develop skills in repairing instruments.

Prerequisites: MUE 363, MUE 364, MUE 365, and MUE 366. or permission of instructor.

MUE 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUE 419 Choral Conducting II 2

Supervised practice in conducting choral rehearsals; comparative study of rehearsal procedures and of choral objectives; continued study of choral repertory.

Prerequisites: MUP 319 or permission of instructor .

MUE 461 General Music in Elementary Schools 3

Instructional methods and approaches to promote P-5 learners' musical understanding. Includes supervised teaching practicum. Content in reading education, cultural diversity, and exceptional learners will be explored in detail.

Prerequisites: MUE 261. admission to the Teacher Education Program; senior standing or permission of instructor.

MUE 462 Singing Voice in Classrooms and Ensembles 2

Provides an overview of vocal anatomy/function, care of the voice, vocal repertoire, teaching strategies, and other specialized topics related to singing instruction in music classrooms and choral settings.

Prerequisites: MUE 261 .

MUE 463 Advanced String Methods 3

Overview of classroom methods teaching for teaching strings with an emphasis on advanced skills on secondary string instruments.

Prerequisites: MUE 363. sophomore standing or permission of instructor .

MUE 464 Choral Music in the Schools 3

Advanced treatment of choral curriculum, literature selection, and teaching/assessment of ensemble musicianship. Includes supervised teaching practicum. Content in reading education, cultural diversity, and exceptional learners will be explored in detail.

Prerequisites: MUE 261. admission to the Teacher Education Program; senior standing or permission of instructor.

MUE 465 Student Teaching in Music 10

Intensive, field-based internship in school music education. Includes practical applications of previous course work in supervised settings. Taught as Speaking Intensive Course.

Prerequisites: MUE 461 or MUE 464 or MUE 467. senior standing; passed advanced piano proficiency (MEDU major, choral/general concentration only); admission to the professional semester for student teaching;

Corequisites: MUE 466.

MUE 466 Student Teaching Seminar 2

Forum providing special education opportunities in conjunction with student teaching experiences. Emphasis placed on professional aspects of teaching. Reading education content explored in detail. Required: student teachers.

Prerequisites: MUE 461 or MUE 464 or MUE 467. senior standing; passed advanced piano proficiency (MEDU major, choral/general concentration only), admission to the professional semester for student teaching;

Corequisites: MUE 465.

MUE 467 Instrumental Music in the Schools 4

Methods of teaching instrumental music; study of administrative procedures, repertoire, personnel, and resources; application of music teaching techniques. Reading education, cultural diversity, and exceptional learner content will be explored in detail.

Prerequisites: MUE 261, MUE 363, MUE 364, MUE 365, MUE 366, and MUE 367. admission to the Teacher Education Program; senior standing or permission of instructor.

MUE 472 Instrumental Conducting II 2

Advanced conducting techniques, with emphasis on instrumental conducting.

MUE 497 Directed Study in Music 1-3

Supervised research in advanced subject area resulting in written document or composition. Project outline (available in Music office) prepared by student and supervising professor and approved by Associate Dean and Dean of School of Music.

Prerequisites: Permission of supervising professor and Dean of School of Music.

Notes: May be repeated for credit if topic varies.

MUE 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUE 601 Research Methods in Music 3

Writing skills, materials, and procedures utilized in music research; measurement, experimental design, theories/procedures for evaluation, statistics, computer applications, and initiation of scholarly research.

MUE 605 The Measurement of Musical Behavior 3

Review of standardized music tests and an examination of methods for developing tests related to the measurement of musical behavior.

MUE 618 Psychology of Music 3

The physical and psychological aspects of music involving human behavior.

MUE 627 Issues in Multicultural Music Education 3

Overview of historical, philosophical, cultural, and pedagogical issues in multicultural music education. Emphasis on the development of knowledge that will inform and enhance instructional practice.

MUE 632 Methods and Materials of Music Reading Instruction 3

Overview of methods and materials for music reading instruction. Emphasis on connections between language and music reading. Involves weekly online sessions, individual projects, and two related workshops.

MUE 633 Music for Exceptional Children 3

Review of the learning styles of exceptional children and the implications for providing realistic musical activities in the classroom. Emphasis will be placed on developing musical skills with special learners.

Notes: Non-music majors may enroll.

MUE 634 Contemporary Trends in Music Education 3

Current philosophies and concepts influencing contemporary music education practices, methods, and materials. Investigation into social psychology of music as applied to existing music instruction in public schools.

MUE 639 Advanced Conducting 3

Advanced conducting skills including baton technique, score reading, rehearsal techniques, score analysis, repertoire, programming, and interpretation.

Prerequisites: Graduate standing in any Music degree program.

MUE 645 Teaching Elementary Music: Theory and Practice 3

Emphasis on strategies and materials for developing children's musicianship and problem-solving skills. Consideration of current child development and learning theories to teaching elementary general music.

Prerequisites: Music teaching experience in elementary school or the equivalent of MUE 465 Student Teaching in Music.

MUE 650 Seminar in Music Education 3

Salient philosophies, practices, and methods involving music education as considered in a social context; challenges in dealing with elementary and secondary students and opportunities for music education in the community. Individual research project required.

MUE 653 Music Supervision 3

Philosophical foundations of music education as related to the development of supervisory and administrative programs. Basic concepts of music education and means for evaluation of music education curricula.

MUE 656 Advanced Choral and General Music Methods for the Adolescent 3

Examination of contemporary research and pedagogy with an emphasis on developing appropriate instructional strategies for use with adolescent students in choral and general music classrooms.

MUE 657 Advanced Instrumental Methods 3

Overview of current practice in learning and teaching music with emphasis on the development of practical strategies for implementation within the instrumental music classroom.

MUE 659 Philosophy of Music 3

Overview of historical and current philosophies of music. Specific applications will be made to various areas of expertise, including music composition, education, history, performance, and theory.

Prerequisites: Admission to master's or doctoral program in music.

MUE 692A Portfolio Development in Music Education 1

Development of a portfolio that reflects the application of course work in music education to classroom teaching.

Prerequisites: Acceptance in MM in Music Education or permission of instructor.

MUE 692B Portfolio Development in Music Education 1

Development of a portfolio that reflects the application of course work in music education to classroom teaching.

Prerequisites: Acceptance in MM in Music Education or permission of instructor.

MUE 697 Directed Study in Music 1-12**MUE 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

MUE 701 Research Methods in Music II 3

Advanced research methodology and procedures in music education.

MUE 703 Music and the Brain 3

An exploration of how music is processed in the brain from infancy through older age.

MUE 704 Creative Thinking in Music 3

Introduction to the major literature in creative thinking in music as it relates to music teaching and learning. Projects include creative work in music, journal entries, short papers, teaching strategies.

MUE 705 College and University Music Administration 3

Provide basic information and skills for those who are in administrative assignments, who desire careers as music administrators, or who desire and understanding of the operations of a music unit.

MUE 706 Choral Practice Around the World 3

An introduction to the issues, materials and pedagogy that inform teaching vocal music from diverse cultures to ensembles or classrooms of trained and untrained singers.

MUE 707 Qualitative Research in Music Education 3

Various inquiry approaches as practiced specifically in music education including case study, narrative, phenomenology, grounded theory, and ethnography; completion of small-scale research study; development of writing and presentation skills.

MUE 740 Music Education in Society 3

An exploration of music education with particular attention to societal influences on teaching and learning music in the classroom and/or the studio.

MUE 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUE 797 Directed Study in Music 1-12

Supervised advanced research requiring a written document or composition.

MUE 799 Dissertation 1-12

MUE 802 Dissertation Extension 1-3
Dissertation Extension.

MUE 803 Research Extension 1-3

Music Performance (MUP)

MUP 104 Introduction to Jazz Listening 2

The jazz masters and significant jazz recordings of the 20th century will be introduced; these recordings will range from Louis Armstrong to John Coltrane. Aural recognition will be developed.

Prerequisites: Music major .

MUP 115 Composition Skills 3

Students will compose pieces and perform their compositions. Student works will imitate historical styles or be freely devised. Ability to read music and play an instrument or sing is required.

Prerequisites: Music major or permission of the instructor.

Notes: May be repeated for credit.

MUP 125 Class Voice 1

Study of basic principles of vocal production, to include acquaintance with a variety of solo literature and the development of poise and stage deportment.

Notes: May be repeated for credit.

MUP 131 Class Piano 1

Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.

Prerequisites: MEDU, PRFM, or MUSI major. or permission of instructor.

MUP 132 Class Piano 1

Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.

Prerequisites: MEDU, PRFM, or MUSI major. or permission of instructor.

MUP 133 Class Piano 1

Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.

Prerequisites: MEDU, PRFM, or MUSI major. or permission of instructor .

MUP 134 Class Piano 1

Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.

Prerequisites: MEDU, PRFM, or MUSI major. or permission of instructor.

MUP 151 Performance Studies 1-3

Instruction on principal instrument or in voice.

MUP 152 Performance Studies 1-3

Instruction on principal instrument or in voice.

Prerequisites: Audition required.

Notes: May be repeated for credit if different instrument or with approval of Department Chair. Enrollment for 2–3 credits requires coregistration in an ensemble.

MUP 153 Performance Studies 1-3

Performance studies instruction for non-majors or majors on secondary instrument/voice.

Prerequisites: Admission as a Music major. or special permission of Department; enrollment in two (2) or more s.h. requires coregistration in an ensemble;

Notes: May be repeated for credit if different instrument.

MUP 155 Secondary Piano for Music Education 1-3

Studio instruction for Music Education majors whose secondary instrument is piano.

Prerequisites: MUP 134, or pass first Music Education piano proficiency examination. MEDU Major.

MUP 170 Italian and Latin Diction for Singers 1

Study of International Phonetic Alphabet and its application to the pronunciation of Italian and ecclesiastical Latin and special problems involved in singing these languages.

MUP 171 English Diction for Singers 1

Study of the International Phonetic Alphabet and its application to the pronunciation of English and special problems involved in singing in English.

Prerequisites: MUP 170, or permission of instructor .

MUP 180 Beginning Guitar 2

The development of fundamental guitar proficiency, through a wide repertoire of folk and popular songs, for students with no previous experience. Must supply a 6-string acoustic guitar.

MUP 182 Beginning Piano 2

Beginning piano performance and music fundamentals for the student with little or no previous music study.

Prerequisites: Non-music majors only.

MUP 184 Beginning Ukulele 2

The development of fundamental ukulele proficiency, through a wide repertoire of folk and popular songs, for someone with no previous experience.

Notes: Students must supply a four-string acoustic ukulele.

MUP 204 Principles of Jazz Theory 3

Foundational knowledge for the study of jazz improvisation, composition, and arranging; stressing jazz nomenclature, basic chord substitution, voice leading, and jazz keyboard skills.

Prerequisites: MUP 104 or permission of instructor.

MUP 205 Composition Studies 3

Applied instruction in music composition.

Prerequisites: MUP 115 or permission of instructor. PRFM major, composition concentration .

MUP 206 Composition Studies 3

Applied instruction in music composition.

Prerequisites: MUP 115 or permission of instructor. PRFM major, composition concentration .

MUP 220 Making Music with Computers 3

Hands-on introduction to using computers to create music. Topics include sequencing, editing, sampling, and looping. Software includes Garage Band, Logic Express, Reason, and Audacity.

GE Core: GFA

MUP 251 Performance Studies 1-6

Instruction on principal instrument or in voice.

Prerequisites: Audition required.

Notes: May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.

MUP 252 Performance Studies 1-6

Instruction on principal instrument or in voice.

Prerequisites: Audition required.

Notes: May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.

MUP 253 Performance Studies 1-3

Performance studies instruction for non-majors or majors on secondary instrument/voice.

Prerequisites: Admission as a Music major or special permission of Department. enrollment in two (2) or more s.h. requires coregistration in an ensemble;

Notes: May be repeated for credit if different instrument.

MUP 255 Secondary Piano for Music Education 1-3

Studio instruction for Music Education majors whose secondary instrument is piano.

Prerequisites: MUP 155. MEDU Major.

MUP 270 French Diction for Singers 1

Phonetic alphabet as it relates to French language and special problems involved in singing this language.

Prerequisites: MUP 170, or permission of instructor.

MUP 271 German Diction for Singers 1

Phonetic alphabet as it relates to German language and special problems involved in singing this language.

Prerequisites: MUP 170, or permission of instructor .

MUP 284 Fundamentals of Keyboard Accompanying I 1

Class discussion, study and performance of literature for voice and/or instruments with keyboard accompaniment. Special attention given to sight reading techniques, German Lieder and Italian opera reductions.

Prerequisites: MUS 106, or permission of instructor.

MUP 285 Fundamentals of Keyboard Accompanying II 1

Class discussion, study, and performance of literature for voice and/or instruments with keyboard accompaniment. Special attention given to ensemble playing, orchestral transcriptions, and the style of French melodie.

Prerequisites: MUP 284, or permission of instructor .

MUP 300 Recital 0

Presentation of a varied program of music.

MUP 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUP 301 Repertoire Class 1

A workshop class where pedagogy of the performance medium is discussed and works of musical literature are performed, coached, and discussed.

Corequisites: MUP 151 or MUP 152 or MUP 251 or MUP 252 or MUP 351 or MUP 352 or MUP 451 or MUP 452.

Notes: May be repeated as often as the student is co-registered for performance studies instruction. Grade: Pass/Not Pass (P/NP).

MUP 302 Keyboard Harmony I 1

A keyboard approach to the study of harmony, emphasizing extemporaneous keyboard harmonization, harmonization of melodies, and figured bass realization.

Prerequisites: MUP 251 level in keyboard, or permission of instructor .

MUP 303 Keyboard Harmony II 1

A continuation of MUP 302; a keyboard approach to the study of harmony, emphasizing extemporaneous keyboard harmonization, harmonization of melodies, and figured bass realization.

Prerequisites: MUP 302, or permission of instructor.

MUP 305 Composition Studies 3

Applied instruction in music composition.

Prerequisites: MUP 115 or permission of instructor. PRFM major, composition concentration.

MUP 306 Composition Studies 3

Applied instruction in music composition.

Prerequisites: MUP 115 or permission of instructor. PRFM major, composition concentration .

MUP 307 Composition Seminar 1

A workshop class where pedagogy of musical composition is discussed and recent works by student and professional composers are presented, performed, coached, and/or discussed.

Corequisites: MUP 115 or MUP 205 or MUP 206 or MUP 305 or MUP 306 or MUP 405 or MUP 406.

MUP 319 Choral Conducting I 1

Conducting techniques, especially as related to choral conducting; rehearsal procedures, study of choral repertory.

MUP 321 Jazz Improvisation I 2

Basic course for the student with little or no previous experience in jazz improvisation. First semester: essential theoretical knowledge and practical skills and practice of integrating them into improvisation.

Prerequisites: MUP 204.

MUP 322 Jazz Improvisation II 2

Continued development of knowledge and skills present in MUP 321 with emphasis on increased fluency and mastery.

Prerequisites: MUP 321 or permission of instructor.

MUP 325 Singer Songwriting 3

This course is intended for anyone interested in learning the art of songwriting. To be successful, performance ability on an instrument or voice is highly recommended.

MUP 344 Digital Music Composition I 3

Introductory course in electronic composition. Lecture and laboratory experience. Projects involving analog synthesis, tape techniques, computer and MIDI control of electronic instruments.

Prerequisites: Junior standing or permission of instructor

Notes: Open to all university students.

MUP 345 Digital Music Composition II 3

Further exploration of compositional concepts dealing with MIDI, sound synthesis, and multitracking basic recording techniques. Includes emphasis on live, interactive electronic music resources including Max/MSP, C-sound, Reaktor, and others.

Prerequisites: MUP 344, or permission of instructor.

MUP 351 Performance Studies 1-6

Instruction on principal instrument or in voice.

Prerequisites: Audition required.

Notes: May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.

MUP 352 Performance Studies 1-6

Instruction on principal instrument or in voice.

Prerequisites: Audition required.

Notes: May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in a large ensemble.

MUP 353 Performance Studies 1-3

Performance studies instruction for non-majors or majors on secondary instrument/voice.

Prerequisites: Admission as a Music major or special permission of Department. enrollment in two (2) or more s.h. requires coregistration in an ensemble;

Notes: May be repeated for credit if different instrument.

MUP 355 Secondary Piano for Music Education 1-3

Studio instruction for Music Education majors whose secondary instrument is piano.

Prerequisites: MUP 255. MEDU Major.

MUP 372 Instrumental Conducting I 1

Introductory course in instrumental conducting. Emphasis on baton technique and non-verbal communication.

Prerequisites: Junior standing or permission of instructor.

MUP 375 Opera Performance Techniques 2

Techniques for the singer-actor; study of the materials and nature of music theatre; development of basic skills required in opera and/or music theatre.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit.

MUP 400 Recital 1

Performance of a faculty approved repertoire selection of approximately 50 minutes of music.

Prerequisites: Senior status in Performance Studies .

MUP 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUP 402 Entrepreneurship in the Performing Arts 3

Focus on entrepreneurship knowledge, skills and career development in the performing arts.

Prerequisites: Junior or senior standing.

Notes: Same as ENT 402, VPA 402.

MUP 405 Composition Studies 3

Applied instruction in music composition.

Prerequisites: MUP 115 or permission of instructor. PRFM major with a composition concentration.

MUP 406 Composition Studies 3

Applied instruction in music composition.

Prerequisites: MUP 115 or permission of instructor. PRFM major with a composition concentration.

MUP 409 Jazz Pedagogy 2

Principles of jazz interpretation, improvisation, and arranging. Procedures of organizing and administering jazz programs. Survey of jazz study materials.

Prerequisites: MUP 204.

MUP 412 Piano Pedagogy I 3

Survey of current piano teaching philosophies, methods, and materials and their application for private and group instruction. Supervised teaching of beginning piano students.

Prerequisites: Keyboard principal or major or permission of instructor.

MUP 413 Piano Literature I 3

Survey of piano literature from ca. 1760–1825, with a preliminary investigation of music for other keyboard instruments from earliest extant sources.

Prerequisites: Junior or senior standing or permission of instructor.

MUP 414 Piano Literature II 3

Survey of piano literature from ca. 1825 to present.

Prerequisites: Junior or senior standing or permission of instructor.

MUP 423 Jazz Arranging I 2

Beginning study of language and techniques employed in arranging music for various jazz ensembles.

Prerequisites: MUP 204.

MUP 424 Jazz Arranging II 2

Advanced study of techniques and disciplines employed in arranging for jazz ensembles.

Prerequisites: MUP 423.

MUP 425 Organ Pedagogy 3

A study and evaluation of procedures used in the teaching of organ. Emphasis on skills and techniques through exercises and literature.

Prerequisites: Junior or senior keyboard major or principal.

MUP 426 Song Literature I 3

Survey of non-operatic solo vocal repertoire: Italian (Baroque and Classical), German, Nationalistic, Spanish. Brief historical study of major composers, poets, compositional style, and historical periods.

MUP 427 Song Literature II 3

Survey of non-operatic solo vocal repertoire: Italian (Romantic and 20th Century), French, British, 20th-Century American. Brief historical study of major composers, poets, compositional style, and historical periods.

MUP 428 Principles of Vocal Pedagogy 3

Teaching process as applied to singing. Includes historical development and an examination and comparison of concepts and approaches past and present.

Prerequisites: Senior standing as a voice major or principal or permission of instructor.

MUP 436 Band Literature 3

Band literature and origins of the band emphasizing its import and expanded cultivation during past century in United States and Europe.

MUP 447 Vocal Coaching 1

Facilitation of progressive development of voice students through advanced and comprehensive study of repertoire and performance practice, focusing primarily on diction, style, and interpretation.

Prerequisites: Voice Performance majors, junior or senior standing, and permission of coordinator of vocal area.

Corequisites: MUP 351 or MUP 352 or MUP 451 or MUP 452.

Notes: May be repeated as often as enrollment space permits.

MUP 451 Performance Studies 1-6

Instruction on principal instrument or in voice.

Prerequisites: Audition required.

Notes: May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.

MUP 452 Performance Studies 1-6

Instruction on principal instrument or in voice.

Prerequisites: Audition required.

Notes: May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.

MUP 455 Orchestration 3

Advanced techniques in instrumental scoring for large ensembles such as orchestra, wind ensemble, and jazz ensemble. Historical and stylistic analysis of the art of orchestration. Additional practical exercises in scoring and arranging for small and large ensembles.

MUP 460 History of Jazz 3

Chronological survey of jazz music and jazz history. Introduction to standard reference works and investigation of socio-cultural aspects.

Prerequisites: MUP 204, junior standing.

MUP 497 Directed Study in Music Performance 1-3

Supervised research in advanced subject area resulting in written document related to performance or composition. Project outline (available in Music office) prepared by student and supervising professor and approved by Department Head of Music Performance.

Prerequisites: Permission of supervising professor and Department Head of Music Performance.

Notes: May be repeated for credit if topic varies.

MUP 498 Italian for Singers 4

Study of basic grammar/vocabulary required to understand/pronounce texts from Italian opera/songs. Compares standard and operatic grammatical syntax. Covers material sufficient for basic needs and social demands of the language.

Prerequisites: MUP 170 or comparable Italian diction course from another institution.

MUP 600 Recital 1

Performance of a faculty approved repertoire selection of approximately 50 minutes of music.

Prerequisites: Permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

MUP 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUP 601 Repertoire Class 1

A workshop class where pedagogy of the performance medium is discussed and works of musical literature are performed, coached, and discussed.

Corequisites: Enrollment in Performance Studies Instruction.

Notes: Course may be repeated for credit.

MUP 604 Composition Seminar 1

A workshop class where pedagogy of musical composition is discussed and recent works by student and professional composers are presented, performed, coached, and/or discussed.

Corequisites: Enrollment in Performance Studies Instruction.

MUP 605 Principles of Jazz Theory 2

Establishes a foundation of knowledge for the study of jazz improvisation and composition, stressing jazz nomenclature, chord/scale analysis, basic chord substitution.

Prerequisites: Undergraduate degree in music or admission to the PBC in Jazz Studies.

MUP 609 Jazz Pedagogy 2

Principles of jazz interpretation, improvisation, and arranging. Procedures for organizing and administering jazz programs. Survey of jazz materials.

Prerequisites: Graduate music major.

MUP 610 Lecture-Demonstration 2

A research project leading to a public lecture recital.

Prerequisites: Permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

MUP 612 Piano Pedagogy I 3

Survey of current piano teaching philosophies, methods, materials, and their application for private and group instruction. Supervised teaching of beginning piano students.

MUP 613 Piano Literature I 3

Survey of piano literature from ca. 1760-1825, with a preliminary investigation of music for the other keyboard instruments from the earliest extant sources.

MUP 614 Piano Literature II 3

Survey of piano literature from ca. 1825 to the present.

MUP 620 Seminar in Piano 3

Study of a particular composer or genre of piano literature emphasizing stylistic features, performance problems, pedagogy, and historical perspectives. Topic to be announced.

Prerequisites: Permission of instructor.

Notes: May be repeated once for credit when topic varies.

MUP 622 Seminar in Choral Literature 3

In-depth study of a limited area of choral literature, tracing its historical development and performance practice. Topic to be announced.

Notes: May be repeated once for credit when topic varies.

MUP 623 Jazz Arranging I 2

Beginning study of language and techniques employed in arranging music for various jazz ensembles.

Prerequisites: Graduate standing in music or permission of instructor.

MUP 624 Jazz Arranging II 2

Advanced study of techniques and disciplines employed in arranging for jazz ensembles.

Prerequisites: MUP 623.

MUP 626 Song Literature I 3

Survey of non-operatic solo vocal repertoire: Italian (Baroque and Classical), German, Nationalistic, Spanish. Brief historical study of major composers, poets, compositional style, and historical periods.

MUP 627 Principles of Vocal Pedagogy 3

Teaching process as applied to singing. Includes historical development and an examination and comparison of concepts and approaches past and present.

Prerequisites: Senior or graduate standing as a voice major or principal or permission of instructor.

MUP 634 Song Literature II 3

Survey of non-operatic solo vocal repertoire: Italian (Romantic and 20th Century), French, British, 20th-Century American. Brief historical study of major composers, poets, compositional style, and historical periods.

MUP 636 Band Literature 3

Band literature and the origins of the band emphasizing its important and expanded cultivation during the past century in the United States and Europe.

MUP 638 Organ Pedagogy 3

A study and evaluation of procedures used in the teaching of organ. Emphasis on skills and techniques through exercises and literature.

Prerequisites: Junior, senior, or graduate keyboard major or principal.

MUP 640 Vocal Coaching 1

Facilitate the progressive development of voice students through advanced and comprehensive study of repertoire and performance techniques, focusing primarily on diction, style and interpretation.

Prerequisites: MUP 651 or higher standing in Performance Studies and permission of Vocal Area Coordinator.

Corequisites: MUP 651 or MUP 751.

Notes: May be repeated for credit.

MUP 641 Advanced Vocal Pedagogy 3

Practical application of proven pedagogical techniques in a supervised teaching situation.

MUP 644 Digital Music I 3

Introductory course in electronic composition. Lecture and laboratory experience.

Notes: Open to all University students.

MUP 645 Digital Music Composition II 3

Further exploration of compositional concepts dealing with MIDI, sound synthesis, multitracking, and recording techniques. Emphasis on live, interactive electronic music resources including Max/MSP, C-Sound, Reaktor, and others.

Notes: Registration restricted to graduate students in Music or with permission of instructor.

MUP 651 Performance Studies 1-6

Performance studies instruction on principal instrument, voice, composition, or conducting.

Prerequisites: By audition.

Notes: Curricular Practical Training Required for F1 Visa Holders.

MUP 653 Performance Studies (Secondary) 0.5-2

Performance studies instruction on secondary instrument, voice, composition, or conducting.

Prerequisites: By audition.

Notes: Curricular Practical Training Required for F1 Visa Holders.

MUP 655 Orchestration 3

Advanced techniques in instrumental scoring for large ensembles such as orchestra, wind ensemble, and jazz ensemble. Historical and stylistic analysis of the art of orchestration. Additional practical exercises in scoring and arranging for small and large ensembles.

MUP 661 Entrepreneurial Career Development in Music 3

Focus on the entrepreneurship knowledge, skills, and career development to enable students to become the architect of his/her future.

Notes: Same as ENT 661.

MUP 663 History of Jazz 3

Chronological survey of jazz music and jazz history. Introduction to standard reference works and investigation of socio-cultural aspects.

MUP 664 Jazz Improvisation I 2

An introduction to jazz improvisation using modal forms, blues, and ii-V-I progressions.

Prerequisites: Undergraduate degree in music or admission to the PBC Jazz Studies.

MUP 665 Advanced Jazz Improvisation 2

Continuation of Jazz Improvisation I; focus on standards through contemporary jazz performers and composers.

Prerequisites: MUP 664 Jazz Improvisation I or permission of instructor.

MUP 675 Opera Performance Techniques 2

Techniques for the singer-actor; study of the materials and nature of music theatre; development of skills required in opera/musical theatre.

Prerequisites: MUP 375 and/or permission of instructor.

Notes: May be repeated once for credit.

MUP 683 Instrumental Literature and Performance Practice 3

Survey of solo and chamber literature from the 17th century to the present. Emphasis on historical perspectives, development of instrumental genres, performance practices, listening, and general score analysis.

MUP 697 Directed Study in Music Performance 1-12

Supervised advanced research requiring a written document or composition.

Prerequisites: Permission of supervising professor. Director of Graduate Study, and School of Music Director.

MUP 698 Italian for Singers 4

Study of basic grammar/vocabulary required to understand/pronounce texts from Italian opera/songs. Compares standard and operatic grammatical syntax. Covers material sufficient for basic needs and social demands of the language.

Prerequisites: MUP 170 or comparable Italian diction course from another institution.

MUP 699 Thesis 1-6

Individual guidance in the development of a specific performance or composition project.

MUP 728 Advanced Vocal Pedagogy 3

Practical application of proven pedagogical techniques in a supervised teaching situation.

Prerequisites: MUP 628.

MUP 748 Practicum in Instrumental Pedagogy 3

Provides advanced knowledge of and practical experience in instrumental pedagogy through an interdisciplinary approach in areas of anatomy, physiology, kinesiology, pathology, technology, psychology, and applied performance.

Prerequisites: MUP 651.

MUP 750 College Teaching: The Tenure Track 3

Issues related to teaching performing arts in higher education. Topics include curriculum design, teaching methods, evaluation, promotion, school/departmental structure, job searching/resume preparation, copyright, publication, etc.

Prerequisites: Admission to a terminal degree program in the School of Music.

MUP 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUP 751 Performance Studies 1-6

Performance studies instruction on principal instrument, voice, composition, or conducting.

Prerequisites: By audition.

Notes: Curricular Practical Training Required for F1 Visa Holders.

MUP 797 Directed Study in Music Performance 1-12

Supervised advanced research requiring a written document or composition.

Prerequisites: Permission of supervising professor. Director of Graduate Study, Dean, and School of Music Director.

MUP 799 Dissertation 1-12**MUP 801 Thesis Extension 1-3**

Thesis Extension.

MUP 802 Dissertation Extension 1-3

Dissertation Extension.

Music Studies (MUS)

MUS 100 Fundamentals of Music 2

Fundamentals of Western music theory, staves, clefs, rhythm, meter, key signatures, scales, and intervals.

Notes: For non-music majors and music majors and minors who did not pass the fundamentals exam.

MUS 101 Music Theory I 3

Basic elements of the Western musical language. Rhythm and meter, counterpoint, figured bass, triads and seventh chords; introduction to part writing and harmonic progression.

Prerequisites: Passing score on the music fundamentals exam or successful completion of MUS 100. Music major or minor.

MUS 102 Music Theory II 3

Continued study of diatonic harmony; introduction to form, including motive, phrase, sentence, and period.

Prerequisites: MUS 101 and MUS 105. or permission of theory coordinator; Music major or minor.

MUS 105 Ear-Training I 1

Music reading and dictation. Performance, aural recognition, and notation of melody, triads, and two-voice counterpoint.

Prerequisites: Admission as a music major or minor. passing score on the music fundamentals exam or successful completion of MUS 100, if that course is required.

MUS 106 Ear-Training II 1

Continuation of music reading and dictation. Performance, aural recognition, and notation of melody, rhythm, harmony, and two-voice counterpoint.

Prerequisites: MUS 101 and MUS 105. or permission of theory coordinator .

MUS 107 Technology for Musicians I 1

Introduction to computer/computer applications: word processing, database, spreadsheet, music notation, Internet and online library, Web page and multimedia development. Experience using, creating, and evaluating computer media for music.

Prerequisites: Music major .

MUS 120 Freshman Seminar: Sound Listening 1

Freshman seminar developing attentive listening skills and examining different theories of sound and/or music perception.

Notes: Required of MUSI majors, but open to MEDU and PRFM majors.

MUS 135 Musicology Research 3

Introduction to the basic tools of musicological inquiry, including music vocabulary, reading in the discipline, basic library research, and expository writing; cultural awareness; attentive listening to Western and global music.

GE Core: GPR

GE Marker: GN

Notes: Open to all University students.

MUS 201 Music Theory III 3

Introduction to chromatic harmony and small forms. Secondary dominants, modulation, and modal mixture; binary, ternary, and variations.

Prerequisites: MUS 102 and MUS 106. or permission of theory coordinator; Music major or minor.

MUS 202 Music Theory IV 3

Continued study of chromatic harmony and introduction to large forms. Chromatic and enharmonic modulation; rondo, sonata, and sonata-rondo.

Prerequisites: MUS 201 and MUS 205. or permission of theory coordinator; Music major or minor.

MUS 205 Ear-Training III 1

More advanced music reading and dictation. Performance, aural recognition, and notation of diatonic and chromatic melody, harmony, and two-voice counterpoint.

Prerequisites: MUS 102 and MUS 106. or permission of theory coordinator.

MUS 206 Ear-Training IV 1

Continuation of more advanced music reading and dictation. Performance, aural recognition, and notation of melody, harmony, and two-voice counterpoint.

Prerequisites: MUS 201 and MUS 205. or permission of theory coordinator.

MUS 211 Topics in Pop Music 3

Examines popular music in the context of social, cultural, and political climates. Illustrates how music is an inexorable agent of social change and identity. No previous musical experience required.

GE Core: GFA

MUS 214 Jazz Appreciation 3

Introductory course focusing on jazz. Students gain understanding of aims and methods of artistic expression and the role of cultural traditions and artistic value in human society. No musical training required.

GE Core: GFA

MUS 241 Music Appreciation 3

Introduction to Western culture art music through a survey of its history, composers, forms, styles. Requires listening assignments and recital attendance. No musical training required.

GE Core: GFA

GE Marker: GL

Prerequisites: Non-music majors only.

MUS 242 Music for Film 3

Familiarizes students with how music operates in films from the major film industries of the world, and introduces and engages musical-cinematic trends over the course of the twentieth and twenty-first centuries.

GE Core: GFA

MUS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUS 301 Analysis of Music Since 1900 3

Advanced study of pitch and rhythm in Western music since 1900, including both post-tonal and neo-tonal repertoire. Analysis of relevant works and composition exercises based on models.

Prerequisites: MUS 202 and MUS 206. or permission of instructor .

MUS 325 First Nights: Five Performance Premieres 3

Consideration of five pieces of music both as artworks and moments of cultural history. Study of the techniques of musical listening and the historical context of each premiere.

GE Core: GFA

GE Marker: GL

MUS 326 Music and Environment 3

Consideration of creative works and traditions relating human sound (music, noise, etc.) and the natural environment from artistic, humanistic, and scientific perspectives.

MUS 329 History of Rock Music 3

Survey of rock music from the 1950s to the present. Emphasis will be placed on identifying specific styles and explaining the influence of key performers.

GE Core: GFA

MUS 332 History of Western Music II 3

History of Western art music traditions from the early Christian era to about 1750.

GE Core: GFA

GE Marker: GL

Prerequisites: MUS 135.

Notes: Open to all university students.

MUS 333 History of Western Music III 3

History of Western art music traditions from about 1750 to the present.

GE Marker: GL

Prerequisites: MUS 135 or permission of instructor .

MUS 334 American Music 3

History of music in America. Ballads, spirituals, gospel, blues, jazz, bluegrass, musical theater, rhythm and blues, rock and roll, and Native American music.

GE Core: GHP

LEC: GMO

MUS 343 Music Cultures of the World 3

Survey of major world music cultures moving from Africa through the Middle East, Iran, India, Indonesia, Japan, China, and America. No prior knowledge of music is required.

GE Core: GPR

GE Marker: GN

MUS 354 Modern Asia Through Its Music 3

Exploration of modern Asian music and culture. Examines relationships between music and national identity, ethnicity, politics, colonialism, religion, and other cultural phenomena in East, South, and Southeast Asia.

GE Core: GPR

MUS 369 Music and the Grand Tour 3

Examines the historical phenomenon of the Grand Tour and its repercussions for European musical life since the seventeenth century; includes critical reflection on related modern tourism, including relevant sustainability issues.

GE Core: GFA

GE Marker: GL

MUS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUS 431 Selected Topics in Ethnomusicology 3

This course with rotating topics will examine particular music traditions and current issues in the field of ethnomusicology beyond the survey level. Topics may focus on geographical areas (Africa, Indonesia, Native American, etc.) or theoretical/methodological issues (Music and Gender, Music and Identity, Popular Music, Fieldwork, etc.).

MUS 439 Tonal Counterpoint 3

Contrapuntal techniques and standard forms of the middle and late Baroque. Analysis of music by composers from Corelli to Bach, composition in representative forms, and aural training.

Prerequisites: MUS 202 and MUS 206.

MUS 455 The Symphonic Tradition 3

Advanced study of symphonic styles and techniques from Baroque era to present.

Prerequisites: MUS 333 or permission of instructor.

MUS 482 Advanced Tonal Analysis 3

Analysis of selected major compositions in the tonal repertoire. Reading and discussion of literature on theoretical concepts and on analysis and interpretation.

MUS 483 Music before 1600 3

Examines musical traditions before 1600 beyond the survey level.

Topics may include gender/sexuality, geography, institutions, orality, performance practice, print/manuscript culture, and/or religion.

Prerequisites: MUS 332 or permission of instructor.

MUS 484 Music from 1600 to 1800 3

Examines musical traditions ca. 1600–1800 beyond the survey level.

Topics include performance practice, nationalism, gender and sexuality, religion, orality/notation, organology, and iconography.

Prerequisites: MUS 332 or permission of instructor.

MUS 485 Music of the Nineteenth Century 3

Examines musical traditions ca. 1789–1914 beyond the survey level.

Topics may include gender/sexuality, institutions, nationalism, nature, performance practice, and/or religion.

Prerequisites: MUS 333 or permission of instructor.

MUS 486 Music of the Twentieth Century 3

Examines musical traditions from ca. 1880 to the present beyond the survey level. Topics may include music and the State, gender/sexuality, ethnicity and identity, cultural policy/politics, religion, and/or multimedia.

Prerequisites: MUS 333 or permission of instructor.

MUS 492 Capstone Seminar in Music Studies 3

This senior capstone course for the Bachelor of Arts in Music engages areas of music study—musicology, music theory, and ethnomusicology—through a series of lectures, discussions, and student presentations.

Prerequisites: MUS 332 or MUS 333 or permission of instructor.

MUS 495 History of Opera 3

Principal opera composers and styles from Monteverdi to the present; analytical study of selected major works.

Prerequisites: MUS 333 or permission of instructor.

MUS 497 Directed Study in Music 1-3

Supervised research in advanced subject area resulting in written document or composition. Project outline (available in Music office) prepared by student and supervising professor and approved by Associate Dean and Dean of School of Music.

Prerequisites: Permission of supervising professor and Dean of the School of Music.

Notes: May be repeated for credit if topic varies.

MUS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUS 602 Seminar in Music Research and Writing 3

Musical bibliography encompassing a range of print and electronic sources and databases. Methods for researching and writing about music, including research papers, music criticism, and other genres.

MUS 631 Selected Topics in Ethnomusicology 3

Music traditions and current issues in the field of ethnomusicology. Topics may focus on geographical areas or theoretical/methodological issues.

Prerequisites: MUE 601 or MUS 602.

Notes: May be repeated for credit when topic varies.

MUS 638 Exploring Musical Cultures 1-3

This course is used for music-study trips.

Notes: Offered only when a course accompanies a specific trip. Variable credit.

MUS 639 Tonal Counterpoint 3

This course thoroughly examines the Five Species of 18th Century contrapuntal technique. It includes written and analytical assignments, culminating in creative projects: a two-part invention and a three-voice fugue.

MUS 644 Pedagogy of Music Theory 3

Survey of philosophies, curricula, course content, and teaching approaches for undergraduate courses in music theory and aural skills.

Prerequisites: Passing score on graduate theory diagnostic exam.

MUS 655 The Symphonic Tradition 3

Advanced study of symphonic styles and techniques from Baroque era to present.

MUS 660 Theory and Analysis of Rhythm 3

Survey of theories and analytical approaches regarding the temporal organization of music.

Prerequisites: Passing score on graduate theory diagnostic exam.

MUS 662 Schenkerian Analysis 3

Theories and analytical methods of Heinrich Schenker as applied to masterworks of the tonal repertoire. Selected readings from Schenkerian literature.

Prerequisites: MUS 639 or the equivalent, passing score on graduate theory diagnostic exam.

MUS 664 Post-Tonal Theory 3

In-depth study of theoretical and analytical approaches to post-tonal music. Readings, analyses, papers, and presentations required.

Prerequisites: Passing score on graduate theory diagnostic exam.

MUS 665 History of Opera 3

Principal opera composers and styles from Monteverdi to the present; analytical study of selected major works.

MUS 669 Music and the Grand Tour 3

Examines the historical phenomenon of the Grand Tour and its repercussions for European musical life since the seventeenth century. Includes critical reflection on related modern tourism, including relevant sustainability issues.

MUS 674 Masterpieces of Musical Styles 3

In depth study of five masterpieces of music history selected from a variety of periods.

Prerequisites: Passing score on graduate music history diagnostic exam.

MUS 685 Music of the Nineteenth Century 3

Examines musical traditions ca. 1789-1914 beyond the survey level. Topics may include gender/sexuality, institutions, nationalism, nature, performance practice, and/or religion.

MUS 686 Music of the Twentieth Century 3

Examines musical traditions from ca. 1880 to the present beyond the survey level. Topics may include music and the State, gender/sexuality, ethnicity and identity, cultural policy/politics, religion, and/or multimedia.

MUS 687 Aural and Keyboard Skills for Music Theory 1

Instruction and practice leading to the development of aural and keyboard skills sufficient for instructors of music theory and ear training.

Prerequisites: Admission to the master's degree program in music theory or the certificate program for music theory pedagogy.

Notes: May be repeated for credit.

MUS 689 Practicum in Teaching Music Theory and Musicology 1

Supervised teaching of basic music theory and aural skills, music history, music appreciation, or world music.

Prerequisites: Admission to the certificate program in music theory pedagogy or in musicology.

MUS 690 Current and Historical Trends in Music Theory 3

Survey of the discipline of music theory. Current and historical topics such as rhythm & meter, form, tuning & temperament, pop-rock & jazz, scale theory, and neo-Riemannian theory.

Prerequisites: Passing score on graduate theory diagnostic exam.

MUS 692 Advanced Tonal Analysis 3

This course thoroughly examines the Five Species of 18th Century contrapuntal technique. It includes written and analytical assignments, culminating in creative projects: a two-part invention and a three-voice fugue.

MUS 697 Directed Study in Music Studies 1-12

Supervised advanced research requiring a written document or composition.

Prerequisites: Permission of supervising professor. Director of Graduate Study, and Dean School of Music Director.

MUS 698 Document in Music Theory 1,2

Development of research topic in music theory.

Notes: May be taken for 2 credits in one semester or 1 credit per semester for two semesters.

MUS 699 Thesis 1-6

Individual guidance in the development of a specific research problem.

MUS 706 Seminar in Music History 3

Selected compositions, including contemporary writings about musical culture with reference to the composers.

Prerequisites: MUE 601 or MUS 602, and passing score on the graduate music history diagnostic exam. or permission of instructor;

Notes: May be repeated once for credit when topic varies.

MUS 707 Seminar in Musical Analysis 3

Rotating topics in musical analysis such as a particular historical period, genre, composer, or style.

Prerequisites: Passing score on graduate theory diagnostic exam.

Notes: May be repeated once for credit when topic varies.

MUS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

MUS 797 Directed Study in Music Studies 1-12

Supervised advanced research requiring a written document or composition.

Prerequisites: Permission of supervising professor, Director of Graduate Study, and School of Music Director.

MUS 801 Thesis Extension 1-3

Thesis Extension.

Nanoscience (NAN)

NAN 419 Introduction to Nanotechnology 3

This course introduces students to the emerging field of nanotechnology and exposes them to current research and topics that are being influenced by nanomaterials including biology, healthcare, and the environment.

Prerequisites: BIO 392, BIO 355, CHE 342, CHE 351, or permission of instructor.

Notes: Same as BIO 419.

NAN 519 Introduction to Nanotechnology 3

This course introduces students to the emerging field of nanotechnology and exposes them to current research and topics that are being influenced by nanomaterials including biology, healthcare, and the environment.

Prerequisites: BIO 111 or CHE 111.

Notes: Same as BIO 519.

NAN 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

NAN 601 Nanochemistry 3

Review of materials chemistry, synthesis of nanoparticles such as carbon nanotubes and fullerenes, chemical reactions and a survey of medicinal chemistry for pharmaceutical applications.

Prerequisites: Graduate student in nanoscience or permission of instructor.

NAN 602 Nanobiology 3

Emphasis on cellular and intracellular mechanisms including biological self-assembly, cytoskeletal interactions, protein folding, membrane dynamics, biological energetics, and cell-cell interactions as well as biomaterials.

Prerequisites: Graduate student in nanoscience or permission of instructor.

NAN 603 Nanophysics 3

Emphasis on the areas of physics critical to nanoscience including solid state physics, statistical mechanics, quantum concepts, biophysics, chemical physics, and nanodevices based on semiconductors.

Prerequisites: Graduate student in nanoscience or permission of instructor.

NAN 604 Nanotechniques 3

Fundamental techniques used in nanotechnology, including methods for nanofabrication, nanocharacterization, and nanomanipulation.

Prerequisites: Graduate student in nanoscience or permission of instructor.

NAN 605 Mathematical Methods in Nanoscience and Nanoengineering 3

An emphasis of this required course will be on the areas of mathematics critical to nanoscience and nanoengineering including application of differential equations to numerical and analytical modeling of nanostructures.

Prerequisites: Graduate student in Nanoscience or permission of instructor.

NAN 609 Nanosafety 3

An interdisciplinary course utilizing variety of academic disciplines (chemistry, physics, biology). Addresses the impact of nanomaterials through the range of organization that exists within living systems (molecular to societal).

NAN 611 Nanoscience Laboratory Rotation 1

A 7-week laboratory rotation intended to develop skills with scientific equipment and provide initial experience with nanoscale research. Four distinct laboratory rotations are required for the PhD in nanoscience.

Prerequisites: Graduate student in nanoscience or permission of instructor.

Notes: May be repeated for credit.

NAN 615 Introduction to Spectroscopy Methods in Nanoscience 3

This course will introduce spectroscopy methods that, widely used in physics, chemistry, and biological sciences, provide knowledge for estimating applicability ranges of various methods, and teach basics of spectroscopy instruments and data analysis.

Prerequisites: NAN 601, NAN 603, NAN 605.

NAN 620 Immunology 3

A study of the molecular and cellular basis of the immune system. Topics include the properties of antigens and immunoglobulins, the development and regulation of humoral and cell-mediated immunity, resistance and immunization to infectious diseases, allergies, and autoimmune and immunodeficiency disorders.

Prerequisites: UNCG graduate student in sciences.

NAN 621 Professional Development Seminar I 1

Workplace issues including ethics, confidentiality, writing and presentation skills, innovation, entrepreneurship, and emerging issues in nanotechnology.

Prerequisites: Graduate student in nanoscience or permission of instructor.

NAN 622 Professional Development Seminar II 1

Workplace issues including business plans, globalization, emerging issues in nanotechnology, and further development of writing and presentation skills, innovation, and entrepreneurship.

Prerequisites: Graduate student in nanoscience or permission of instructor.

NAN 623 Optical Microscopy for Nanoscience 4

This course presents the fundamental principles underlying modern optical microscopy in the context of nanoscience and the demonstrated application and practice of advanced optical microscopy techniques in the context of laboratory experiences.

Prerequisites: NAN 604 for Nanoscience students or permission of instructor for students in other programs.

Notes: Registration restricted to science majors (Nanoscience, Chemistry, Biology, Nutrition, or related majors).

NAN 624 Particle Beam Microscopy for Nanoscience 4

This course presents the fundamental principles underlying modern particle beam microscopy in the context of nanoscience and the demonstrated application and practice of advanced particle beam microscopy techniques in the context of laboratory experiences.

Prerequisites: NAN 604 or permission of instructor.

NAN 625 Molecular Biology in Nanosciences 3

A lecture and laboratory course introducing graduate level science students to the principles and practices of molecular biology with emphasis on its application and integration with nanoscience.

Prerequisites: Graduate students in nanoscience or other program with permission of instructor. Must have taken Basic Biology (Biology 111-112) and chemistry classes (Chem 111-115) or equivalent.

NAN 626 Introduction to Stem Cell Biology and Ethics 3

Fundamental issues, experimental approaches, and emerging areas in stem cell research accompanied by an understanding of the attendant ethical issues that arise from their use in healthcare applications.

Prerequisites: UNCG graduate student in sciences.

NAN 630 Advances in Bio-Sensors 3

Interdisciplinary cutting-edge advances in biosensors with nano-perspectives; specific emphasis on fundamentals, principles and progresses of various types of nanobiosensors, and applications in disease diagnosis, biomedicines, life science and environmental monitoring.

Prerequisites: NAN 601, NAN 602, NAN 603, or equivalent courses.

Corequisites: Graduate students at UNCG or JSNN or permission of instructors.

NAN 635 Nanomechanics 3

Nanomechanics will address practical and theoretical topics regarding how forces arise and are measured at the nanoscale, and how they drive emergent behaviors in chemistry, biology, and materials science.

Prerequisites: NAN 605 or equivalent graduate-level mathematics.

NAN 640 The Science and Engineering of Thin Films 3

This course will discuss the science and engineering aspects of the most commonly used thin film formation techniques and their applications in research and technology.

NAN 655 Biometrics and Biomaterials 3

Prerequisite: NAN 602, NAN 604, or permission of instructor;

Notes: Emphasizes the biomimetic and biological materials development and characterization. Topics range from natural to synthetic biomaterials, characterization of biomaterial properties, and discovery and application of novel biologically inspired materials.

NAN 692 Directed Studies in Nanoscience 1-4

This course gives students flexibility in guided readings, research, and individual project work under direction of a staff member that compliments their graduate project related to nanoscience.

Prerequisites: Permission of the Director of Graduate Study in Nanoscience and the professor who will supervise the study.

Notes: Repeatable up to 4 credits.

NAN 698 Professional MS in Nanoscience Internship 3

Student will intern at facility engaged in nanotechnology activity in order to gain practical experience with aspects of nanotechnology.

Prerequisites: Graduate student in Nanoscience or permission of instructor.

Notes: Grading method is Satisfactory/Unsatisfactory (S/U).

NAN 699 Thesis 1-6**NAN 705 Macromolecular and Supramolecular Chemistry 3**

This course provides the fundamental concepts of macromolecular and supramolecular chemistry, self-assembly methodologies for supramolecular architectures, synthesis of hybrid nanomaterials and their applications in nanoscience and nanoengineering.

Prerequisites: Nanochemistry (NAN 601) or Advanced Organic Chemistry course (CHE 553) or equivalent.

NAN 710 Scientific Integrity 1

Explores contemporary issues related to scientific integrity and responsible conduct in research. Case-driven topics expose students to the issues that arise in scientific research and ways to handle these issues.

Prerequisites: Student at UNCG or JSNN or Permission of Instructor.

NAN 711A ExCr: Molecular Modeling Mthds 3

The course will focus on the structure and function of biomolecules as a basis for nanomolecular design, via the use of computer modeling/simulation, including in-class assembly of a 3D-modeling workstation.

NAN 711D ExCr:Thn Fm Dpstn Etg Nmmdl Ap 4

This course reviews techniques used for thin film deposition and patterning and discusses applications in the nanobiomedical space.

NAN 711X EC: Nanotechnlgy in Drug Dlvry 1

This course is designed to provide students with an understanding of the current state of the art for advanced drug delivery with particular focus on nanotechnology and highlight several areas of opportunity where current and emerging nanotechnologies could enable entirely novel classes of therapeutics.

NAN 724 Nanoscale Reactions 3

A comprehensive introduction to principles, mechanisms and applications of homo- and heterogeneous chemical or physic-reactions from nano-scale perspective incorporating recent research activities from selected peer-reviewed articles.

NAN 730 Nanoscale Reactions 3

A comprehensive introduction to principles, mechanisms and applications of homo-and heterogeneous chemical or physic-reactions from nano-scale perspective incorporating recent research activities from selected peer-reviewed articles.

Prerequisites: NAN 601, NAN 602, NAN 603 or equivalent courses.

Corequisites: Graduate student at UNCG or JSNN or permission of instructors.

Notes: Nanoscience, chemistry, biology and physics graduate students.

NAN 735 Nanomaterials and Reactions by Design 3

Prerequisite: Graduate student in nanoscience or permission of instructor. Nanoscience graduate students must have completed JSNN's Fundamentals of Nanoscience Courses, i.e. NAN 601, 602, 603, 604 or NAN 701, or their equivalent.

NAN 740 Nonlinear Waves in Biological Excitable Media 3

Dynamics of reaction-diffusion waves and implementation of theoretical methods to the analysis of these waves in cardiac muscle and nerves.

Prerequisites: Graduate student in nanoscience or permission of instructor.

NAN 745 Nanolmaging 3

Use of nanoparticles for in vivo diagnostic medical imaging and therapy.

Prerequisites: Graduate student in nanoscience or permission of instructor.

NAN 750 Nanomedicine 3

General underlying mechanisms leading to inflammation, infectious disease, cancer, and autoimmune disease and the potential nanotechnology has on diagnosing, preventing, and treating these diseases.

Prerequisites: Graduate student in nanoscience or permission of instructor. Basic biology.

NAN 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

NAN 771 Computational Quantum Nanochemistry 3

Fundamentals of computational quantum mechanics and related computational methods applicable to nanoscience. Includes hands-on computer exercises.

Prerequisites: Graduate student in nanoscience or permission of instructor.

NAN 799 Nanoscience Dissertation Research 1-12

Student will carry out original research in nanoscience with the guidance of his/her faculty advisor and committee as part of the Ph.D. in Nanoscience degree program.

NAN 801 Thesis Extension 1-3

Thesis Extension.

NAN 802 Dissertation Extension 1-3

Dissertation Extension.

NAN 803 Research Extension 1-3

Research Extension.

Nursing (NUR)

NUR 210 Fundamental Concepts in Nursing 3

Introduction to fundamental concepts in nursing.

Prerequisites: Admission to NURS major.

NUR 220 Nursing Assessment of Well Individuals 3

Introduction to basic nursing assessment of well individuals over the life span. Laboratory activities encourage development of skills in interviewing, physical examination, and documentation of information.

Prerequisites: Admission to NURS major. Pr. or Coreq.: NUR 210.

NUR 220L Nursng Assessmnt Well Indiv Lb 0**NUR 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

NUR 310 Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan 4

Nursing care of individuals who have neurobehavioral problems.

Prerequisites: NUR 210 and NUR 220. NURS major;

Corequisites: NUR 310L.

NUR 310L Practicum for Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan 1

Practicum for nursing care of individuals who have neurobehavioral problems. Clinical activities in selected behavioral health settings.

Prerequisites: NUR 210 and NUR 220. NURS major;

Corequisites: NUR 310.

Notes: Students must provide own transportation to practicum experiences.

NUR 319 Health Equity: An Introduction to Anti-Oppressive Practices 3

Critical analysis of inequities in health outcomes with a focus on racism in the US. Strategies for eliminating health inequities and building anti-oppressive practices in health care.

Prerequisites: Admission to the Lloyd International Honors College (preference given to Honors Nursing Majors).

NUR 320 Nursing Care of Individuals with Chronic Physiological Problems 3

Nursing care of clients who have chronic physiological problems.

Prerequisites: NUR 210 and NUR 220. NURS major;

Corequisites: NUR 320L.

NUR 320L Practicum for Nursing Care of Individuals with Chronic Physiological Problems 2

Practicum for nursing care of clients who have chronic physiological problems.

Prerequisites: NUR 210 and NUR 220. overall minimum GPA of C; NURS major;

Corequisites: NUR 320.

Notes: Students must provide own transportation to practicum experiences.

NUR 330 Global Perspectives on the Health of Women 3

Global perspectives on women's health issues.

GE Marker: GL

NUR 340 Health and Illness in Infants, Children and Adolescents 3

Nursing care and health promotion of infants, children, and adolescents with acute and chronic illness, special health care needs, and those receiving well child care.

Prerequisites: NUR 210 and NUR 220. NURS major;

Corequisites: NUR 340L.

NUR 340L Practicum for Health and Illness in Infants, Children and Adolescents 1

Practicum for nursing care and health promotion of infants, children, and adolescents with acute and chronic illness, special health care needs, and those receiving well child care.

Prerequisites: NUR 210 and NUR 220. NURS major;

Corequisites: NUR 340.

Notes: Students must provide own transportation to practicum experiences.

NUR 345 Basic Health Management of Children 3

Health appraisal and recognition of symptoms of illness in children. Emphasizes needs of children in group settings from infancy through elementary school age.

Prerequisites: HDF 211 .

NUR 346 Introduction to Health Care Informatics 3

Exploration of informatics and health care technologies in the management of individuals, groups, and organizations for the improvement of patient outcomes.

Prerequisites: Must be licensed Registered Nurse. minimum GPA of C (2.0), or permission of instructor.

NUR 355 Pathophysiology and Pharmacology for Nursing 4

Study of pathophysiologic changes that influence disease processes across the lifespan and related pharmacological therapies.

Prerequisites: NUR 210 and NUR 220. NURS major.

NUR 360 Childbearing and Reproductive Health 3

Nursing care of women and families along the childbearing continuum. Topics include reproductive health, promotion of health for pregnancy and birth, nursing management of complications, and newborn care.

Prerequisites: NUR 210 and NUR 220. NURS major;

Corequisites: NUR 360L.

NUR 360L Practicum for Childbearing and Reproductive Health 1

Practicum for nursing care of women and families along the childbearing continuum. Topics include reproductive health, promotion of health for pregnancy and birth, nursing management of complications, and newborn care.

Prerequisites: NUR 210 and NUR 220. NURS major;

Corequisites: NUR 360.

Notes: Students must provide own transportation to practicum experiences.

NUR 365 Interprofessional Education Seminar 1

Clinical application of theories, concepts, and research related to collaborative interprofessional education (IPE) across healthcare disciplines.

Prerequisites: NUR 210, NUR 220, and NUR 380. NURS major.

NUR 370 Concepts of Professional Nursing 3

Study of basic concepts in professional nursing.

Prerequisites: STA 108 and satisfaction of GEC requirements for GHP, GNS, GSB, GRD, AND GRD1). must be licensed Registered Nurse; overall minimum GPA of C (2.0).

NUR 371 Nursing Health Assessment 3

Study of the health assessment of individuals over the life span. Laboratory activities promote the development of assessment skills.

Prerequisites: Must be licensed Registered Nurse. overall minimum GPA of C (2.0).

NUR 375 Nursing Informatics and Technology 2

Focus on the use of electronic technologies and the management of information to facilitate nursing practice and enhance quality care.

Prerequisites: NUR 210 and NUR 220. NURS major;

Corequisites: NUR 310 and NUR 310L. or NUR 320 and NUR 320L; or NUR 340 and NUR 340L; or NUR 360 and NUR 360L.

NUR 380 Nursing Skills 2

Introduction and practice of nursing skills necessary for care of clients in clinical settings.

Prerequisites: NUR 210 and NUR 220. NURS major.

NUR 385 Critical Reasoning 2

This application based course focuses on the development and improvement of critical reasoning skills for professional nursing practice.

Prerequisites: NUR 210 and NUR 220. NURS major;

Corequisites: NUR 310 and 310L. or NUR 320 and 320L; or NUR 340 and 340L; or NUR 360 and 360L.

NUR 390 Culture and Health Care 3

Role of culture on the health and wellbeing of individuals and selected global communities, including indigenous peoples.

GE Marker: GN

NUR 392 Transition to Civilian Professional Nursing Seminar 1

This seminar course compares military and civilian models of individual and family life, communication patterns, leadership styles and organizational structure.

Prerequisites: NUR 210 and NUR 220 or NUR 395 or RN Licensure.

Admitted to School of Nursing upper division, VAP program.

NUR 395 Transition to Civilian Professional Nursing 2

This didactic course covers the fundamentals of professional civilian nursing. Similarities and differences between military and civilian models of care are presented.

Prerequisites: NURS majors enrolled in the Veterans Access Program (VAP).

NUR 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

NUR 405 Pharmacology in Nursing 3

Study of major drug groups and their action, use, side effects, and nursing care considerations. Emphasis on nursing care and teaching, built upon physiology and basic pharmacology.

Prerequisites: Admission to the School of Nursing. or permission of instructor.

NUR 406 Role of Nursing Administration in Quality and Safety 2

Prepares the student to apply principles of quality and safety at the unit level.

Prerequisites: Upper level undergraduates or graduate students.

NUR 410 Health and Illness in Older Adults 3

Nursing care of older adults: biopsychosocial, spiritual functioning, impact of developmental changes, illness, and dysfunction on health status and quality of life.

Prerequisites: NUR 310, NUR 310L, NUR 320, NUR 320L, NUR 340, NUR 340L, NUR 360, NUR 360L (or their equivalent). admission to NURS major; overall minimum GPA of C (2.0)

Corequisites: NUR 410L, NUR 450.

NUR 410L Practicum for Health and Illness in Older Adults 2

Practicum for nursing care of older adults: biopsychosocial, spiritual functioning, impact of developmental changes, illness, and dysfunction on health status and quality of life. Selected clinical activities.

NUR 411 Global Health in Nursing 2

Critical analysis of healthcare practice within a global context. Reflective global community engagement experience integrating academic enhancement, personal growth, and global civic learning.

Prerequisites: NURS major. Pre-licensure BSN students: NUR 210, NUR 220 or equivalent, NUR 380; RN-BSN students: NUR 370, NUR 371; or permission of instructor.

NUR 415 Nursing Leadership and Management 3

Introduction to the leadership and management roles of the professional nurse in health care organizations.

Prerequisites: NUR 310/NUR 310L, NUR 320/NUR 320L, NUR 340/NUR 340L, NUR 355, NUR 360/NUR 360L, NUR 375, and NUR 380 (or their equivalent). NURS major.

NUR 420 Population Health Nursing 4

Nursing care of populations and communities through collaborative actions across care settings.

Prerequisites: NUR 310/NUR 310L, NUR 320/NUR 320L, NUR 340/NUR 340L and NUR 360/NUR 360L (or their equivalent). NURS major;

Corequisites: NUR 410/NUR 410L, NUR 420L, NUR 450.

NUR 420L Practicum for Population Health Nursing 1

Practicum for nursing care of populations and communities through collaborative actions across care settings.

NUR 430 Nursing Care of Individuals with Acute Physiological Problems 3

Nursing care of individuals/families with acute physiological illness.

Prerequisites: NUR 410/NUR 410L, NUR 420/NUR 420L, and NUR 450.

NURS major;

Corequisites: NUR 415, NUR 430L.

NUR 430L Practicum for Nursing Care of Individuals with Acute Physiological Problems 2

Practicum for nursing care of individuals/families with acute physiological illness.

Prerequisites: NUR 410/NUR 410L, NUR 420/NUR 420L, NUR 450. NURS major;

Corequisites: NUR 415, NUR 430.

Notes: Students must provide own transportation to practicum experiences.

NUR 440 Senior Capstone 4

A concentrated 7½ week practicum where students simulate the roles of the employed graduate under the guidance of a selected nursing preceptor and a faculty facilitator.

Prerequisites: NUR 310/NUR 310L, NUR 320/NUR 320L, NUR 340/NUR 340L, and NUR 360/NUR 360L. NURS major;

Corequisites: NUR 415, NUR 430/NUR 430L, and NUR 490.

Notes: Grade: Pass/Not Pass (P/NP). Students must provide own transportation to practicum experiences. Course intended for senior level baccalaureate nursing students in their final semester of the major.

NUR 450 Evidence-Based Practice and Nursing Research 3

Introduction to the professional nurse's role in evidence-based practice and nursing research.

Prerequisites: STA 108 or equivalent, NUR 310/NUR 310L, NUR 320/NUR 320L, NUR 340/NUR 340L, NUR 360/NUR 360L. NURS major;

Corequisites: NUR 410/NUR 410L and NUR 420/NUR 420L.

NUR 451 Integrating Technology in Nursing Education 3

This course examines the role of technology in healthcare and the integration of technology into nursing practice and education settings.

NUR 452 Pathophysiology for Nursing 3

Physiological changes across the life span and common pathophysiological mechanisms.

NUR 470 Community Health Nursing Concepts and Care 4

Nursing concepts and care of individuals, families, and groups within community settings.

Prerequisites: NUR 370 and NUR 371. overall minimum GPA of C (2.0); Current unrestricted North Carolina RN license or unrestricted RN license in a state covered by the multi-state Nurse Licensure Compact.

NUR 471 Nursing Care of the Older Adult 4

Nursing concepts and care of older adults: theories of aging, physiological/psychological functioning, impact of developmental changes, illness, and chronic dysfunction.

Prerequisites: NUR 370 and NUR 371. overall minimum GPA of C (2.0); Current unrestricted North Carolina RN license or unrestricted RN license in a state covered by the multi-state Nurse Licensure Compact.

NUR 472 Nursing Leadership and Management 4

The professional nurse's role in applying principles of leadership and management in health care organizations across the continuum of care.

Prerequisites: NUR 370 and NUR 371. overall minimum GPA of C (2.0); Current unrestricted North Carolina RN license or unrestricted RN license in a state covered by the multi-state Nurse Licensure Compact.

NUR 473 Nursing Research 4

Introduction to nursing research and the professional nurse's role in research.

Prerequisites: NUR 370 and NUR 371. overall minimum GPA of C (2.0); Current unrestricted North Carolina RN license or unrestricted RN license in a state covered by the multi-state Nurse Licensure Compact. STA 108 or equivalent.

NUR 481 End-of-Life Care 3

Critical aspects of interdisciplinary approaches to quality care at end-of-life. Includes palliative care, family, advocacy, culture, special populations, systems of care, financial issues, life threatening illnesses, and sudden death.

NUR 490 Synthesis of Nursing Concepts 2

Cumulative integration of concepts learned throughout the curriculum. Emphasis placed on analysis of critical thinking skills and synthesis of clinical decision making. Also includes preparation for NCLEX-RN.

Prerequisites: NUR 410, NUR 410L, NUR 420, NUR 420L and NUR 450. NURS major;

Corequisites: NUR 415, NUR 430, NUR 430L.

NUR 492 Independent Study 1-3

Guided readings in nursing as an individual project designed with a focus on the nursing profession and/or nursing practice. Course offering is dependent on faculty availability.

Prerequisites: Approval must be granted by a nursing faculty member prior to registration.

Notes: May be repeated for credit.

NUR 493 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

NUR 506 Role of Nursing Administration in Quality and Safety 2

Prepares the student to apply principles of quality and safety at the unit level.

NUR 511 Global Health in Nursing 2

Critical analysis of healthcare practice within a global context. Reflective global community engagement experience integrating academic enhancement, personal growth, and global civic learning.

Prerequisites: Admission to a Nursing graduate program.

NUR 540 Financial Management in Healthcare 3

Introduction to the principles of fiscal management, health care agency accounting practices, and the nurse administrator's role in budgeting processes.

Prerequisites: Graduate students enrolled in MSN in Nursing Administration or MSN/MBA program.

NUR 550 Pathophysiology for Nursing 3

Physiological changes across the life span and common pathophysiological mechanisms.

NUR 551 Integrating Technology in Nursing Education 3

This course examines the role of technology in healthcare and the integration of technology into nursing practice and education settings.

NUR 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

NUR 601 Critique and Utilization of Research in Nursing Administration 2

Development of knowledge and skill competencies basic to the critical interpretation and utilization of research findings in nursing administration. Graded on S/U basis.

Prerequisites: NUR 641.

NUR 606 Advanced Quality and Safety 3

Prepares the student to apply principles of quality and safety at the unit level.

Prerequisites: Enrolled in Nursing Administration concentration of the M.S.N. program or the M.S.N./M.B.A. or permission of instructor.

NUR 607 Interprofessional/Interdisciplinary Collaboration and Negotiation 3

An integrated approach to team development and function using an interprofessional/interdisciplinary model.

NUR 609 The Role of the Nurse Leader in Advanced Quality and Safety 4

Prepares the student to apply principles of quality and safety at the micro (unit) and macro (organizational) system level.

Prerequisites: Enrolled in Nursing Administration concentration of the M.S.N. program or the M.S.N./M.B.A. or permission of instructor.

NUR 612 Theoretical Foundations for the Advanced Nurse Educator 3

Professional development of the advanced nurse educator integrating theory, roles, and practice.

Prerequisites: NUR 616.

NUR 614 Information Technology in Nursing Administration 3

Prepares the student to apply principles and techniques of communication and computer technology in health care management settings.

Prerequisites: Enrolled in administration concentration or MSN/MBA program or permission of instructor.

NUR 615 Curriculum Design and Evaluation in Advanced Nursing Education 3

An exploration of nursing curriculum development and program evaluation within a broad context.

Prerequisites: NUR 612.

NUR 616 Pedagogical Strategies for Advanced Nursing Education 4

Concepts of instructional design, media development and use, and technology in advanced nursing education. Pedagogical strategies for a variety of classroom and clinical settings.

NUR 620 Law, Policy, and Economics of Healthcare 3

Law, health policy, and economics related to advanced nursing practice. Key topics include policy development, state and federal statutes, and economics affecting delivery of nursing and healthcare.

NUR 641 Leadership and Management Essentials in Healthcare: Theories and Roles 4

Nursing management within the health care system. Management functions of planning, organizing and staffing studied within the framework of leadership in health care organizations.

Prerequisites: NUR 715.

Corequisites: NUR 715.

NUR 643 Nursing Administration Practicum 4

Application of leadership and administrative knowledge in a practice setting and completion of an administrative project while defining self in a professional leadership role.

NUR 644 Organizational Leadership and Management 4

Management functions of directing and controlling are studied within the framework of leadership in health care organizations.

Prerequisites: NUR 540, NUR 614, NUR 641.

Corequisites: NUR 614.

NUR 645 Strategic Management of Health Care Organizations 4

Application of leadership and administration knowledge in a practice setting while defining self in a professional leadership role.

Prerequisites: NUR 644.

NUR 651 Advanced Application of Nursing Concepts in Client Care (in clinical focus area) 4

Development of advanced clinical nursing interventions that influence health care outcomes for individuals, populations, or systems. Practicum emphasizes preparation for the direct care role of nurse educator.

Prerequisites: NUR 616, NUR 708, NUR 709, NUR 713.

NUR 653 Advanced Application of Nursing Concepts in Academic Education (in clinical focus area) 3

Development of competencies in preparation for academic educator roles. Seminars, conferences, and practica emphasize nursing education in academic settings.

Prerequisites: NUR 615 and NUR 651.

NUR 692 Independent Study 1-3

Guided readings, research, and individual project work under the direction of the School of Nursing faculty.

Notes: May be used as part of minimum 36 hours required for the MSN degree. May be repeated for a maximum of 6 hours credit.

NUR 696 Capstone Course for Advanced Nursing Education Practice 2

Critical analysis and synthesis of progress and achievement towards attainment of advanced nursing competencies for the MSN degree.

Prerequisites: NUR 612, NUR 651, NUR 715.

Corequisites: NUR 653.

NUR 698 Advanced Nursing Project 1-6

Scholarly inquiry project developed by the student with faculty guidance.

Prerequisites: NUR 705.

Notes: May be repeated for a maximum of 6 hours credit. Grading method is Satisfactory/Unsatisfactory (S/U).

NUR 699 Thesis 1-6

Individual guidance and direction in research to address a clinical or nonclinical problem.

Prerequisites: NUR 705.

Notes: May be repeated for a maximum of 6 hours credit. Grading method is Satisfactory/Unsatisfactory (S/U).

NUR 701 Statistical Applications for Nursing Research 3

Applied descriptive and inferential statistics for nursing and health care research. Principles of hypothesis testing, inference, estimation, correlation, regression, and analysis of variance. Emphasis on selection of analysis and interpretation of results.

Prerequisites: Admission to PhD in nursing and completion of a course in inferential statistics, or permission of instructor.

NUR 702 Statistical Applications for Nursing Research II 3

Advanced statistics for nursing and health care research, including general linear model, multifactorial ANOVA, multiple regression. Emphasis on selection and conduct of analysis and interpretation of results.

Prerequisites: NUR 701 or permission of instructor.

NUR 703 Qualitative Methods for Nursing 3

Philosophy, theory, and methods of qualitative research with an emphasis on the application to nursing and health research.

Prerequisites: NUR 702 and NUR 712, or permission instructor.

NUR 704 Quantitative Research in Nursing 3

Theoretical foundations, design, and techniques of quantitative research for nursing and health care.

Prerequisites: NUR 702 and NUR 712, or permission of instructor.

NUR 705 Research and Evidence Based Practice 3

Provides content about the core principles and application of research and the science of evidence based practice.

Prerequisites: Admission to the D.N.P. program and an undergraduate course in statistics.

NUR 707 Measurement in Nursing and Healthcare Research 3

Measurement of biophysical, psychomotor, cognitive and system-level phenomena for nursing and health research. Reliability, validity, item analysis, norms, selection and development of measures.

Prerequisites: NUR 704, or permission of instructor.

NUR 708 Pathophys Adv Pract Nursing 3

Examination of physiological changes, common pathophysiological and compensatory mechanisms of diseases across the lifespan.

NUR 709 Pharmacotherapeutics for Advanced Practice Nursing 3

Advanced principles of pharmacotherapeutics of broad categories of pharmacologic agents used in young adults, adults, and older adults, including discussion of advanced nursing roles in prescription practices.

Prerequisites: NUR 708, NUR 713, NUR 713L.

Corequisites: NUR 811 for A/GNP only.

NUR 709S Pharmacology Seminar for Adult/Gerontological Nurse Practitioners 1

Application of clinical pharmacology knowledge and skills to ensure safe prescribing practices for adult-gerontology nurse practitioners.

Prerequisites: NUR 708, NUR 713, NUR 713L.

Corequisites: NUR 709, NUR 811.

NUR 710 Philosophy of Knowledge Development in Nursing 3

Philosophy, inquiry, and the development of knowledge within the discipline.

Prerequisites: Admission to PhD in nursing.

NUR 712 Theory Analysis in Nursing Science 3

The nature of theory and strategies for theory development within the discipline of nursing. Analysis and evaluation of theory related to phenomena of interest.

Prerequisites: NUR 710.

NUR 713 Advanced Health Assessment and Diagnostic Reasoning 3

This course builds upon prerequisite assessment skills and present the advanced principles of health assessment. Methodologies of data gathering, data analysis and theoretical integration of health assessment are emphasized.

Prerequisites: Baccalaureate-level health assessment course, NUR 708.

Corequisites: NUR 708, NUR 713L.

NUR 713L Advanced Health Assessment and Diagnostic Reasoning Skills Lab 1

Application of advanced health assessment and diagnostic reasoning skills using laboratory exercises.

Corequisites: NUR 713, NUR 708 (AGNP only).

NUR 714 Informatics in Healthcare 3

This course is focused on information systems, application of informatics in patient care, and data management to promote quality and safety in healthcare.

Prerequisites: Admission to MSN or DNP program, or permission of instructor.

NUR 715 Research Methods in Nursing 3

Examines the basic concepts, strategies, and procedures used in conducting and analyzing nursing research. Emphasis will be on proposal development and quantitative and qualitative analysis of data.

Prerequisites: An undergraduate statistics course (preferred within past 5 years).

NUR 727 Basic Principles of Nurse Anesthesia Practice 5

General introduction to basics of nurse anesthesia practice, including safety, assessment, pharmacology, monitoring, charting, positioning, care plan development, sequencing, and as a foundation to more advanced anesthetic concepts and techniques.

NUR 728 Physics and Mechanics of Anesthesia Delivery Systems 1

This course focuses on the application of the physical laws of gas, the study of compressed gases for clinical use, and the physical and mechanical considerations of anesthesia delivery systems.

Corequisites: NUR 728L.

NUR 728L Physics and Mechanics of Anesthesia Delivery Systems Laboratory 1

This course focuses on the application of the physical laws of gas, the study of compressed gases for clinical use, and the physical and mechanical considerations of anesthesia delivery systems.

Corequisites: NUR 728.

NUR 729 Health Assessment for Nurse Anesthesia 1

This course emphasizes the principles of patient assessment for nurse anesthesia practice in the pre and perioperative periods.

Corequisites: NUR 729L.

NUR 729L Health Assessment Laboratory for Nurse Anesthesia 1

This laboratory course emphasizes the principles of patient assessment for nurse anesthesia practice in the pre and perioperative periods.

Corequisites: NUR 729.

NUR 730 Neuropathophysiology of Nurse Anesthesia 3

This course focuses on the anatomy, physiology, and pathophysiology of the central nervous system, and anesthesia nursing care related to persons with neurological dysfunction. Prerequisite: Enrollment in the Nurse Anesthesia concentration of the DNP program.

NUR 732 Advanced Principles of Nurse Anesthesia Practice 4

Principles and theories of advanced anesthesia practice necessary to effectively administer anesthesia for complex adult, obstetric, and pediatric patients.

NUR 741 Nurse Scientists in Academia and Industry I 3

Integration of the nurse scientist role into an academic and industry environment.

Prerequisites: NUR 704, NUR 712. Pr. or Coreq.: NUR 703, NUR 782.

NUR 742 Nurse Scientists in Academia and Industry II 3

Internship to apply the nurse scientist role in an academic or industry environment.

Prerequisites: NUR 741.

NUR 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

NUR 751 Pharmacology of Nurse Anesthesia I 2

Advanced knowledge of pharmacologic principles related to anesthetic medications.

Prerequisites: Admission to the Nurse Anesthesia concentration of the Doctor of Nursing Practice program.

NUR 752 Biochemistry for Nurse Anesthesia I

Advanced knowledge of the biochemical basis and measurement of homeostasis and nursing interventions for fluid and electrolyte imbalance.

Prerequisites: Admission to the Nurse Anesthesia concentration and affiliated School of Nurse Anesthesia.

NUR 753 Cardiovascular Pathophysiology for Nurse Anesthesia 3

This course focuses on the principles and theories of advanced nurse anesthesia practice necessary to effectively administer anesthesia to individuals with cardiovascular dysfunction.

Prerequisites: NUR 727, NUR 732.

Corequisites: NUR 754.

NUR 754 Pharmacology of Nurse Anesthesia II 1

This course focuses on advanced nurse anesthesia knowledge of the pharmacology of cardiovascular drugs and IV agents.

Prerequisites: NUR 751.

Corequisites: NUR 753, NUR 772.

NUR 755 Cell Pathophysiology for Nurse Anesthesia 1

Advanced knowledge of pathophysiology and anesthesia nursing care related to persons with cellular dysfunction.

Prerequisites: NUR 730.

NUR 756 Respiratory Pathophysiology for Nurse Anesthesia 3

This course focuses on the principles and theories of advanced nurse anesthesia practice necessary to effectively administer anesthesia to individuals with respiratory dysfunction.

Prerequisites: NUR 753, NUR 754, NUR 772.

Corequisites: NUR 757, NUR 773.

NUR 757 Pharmacology of Nurse Anesthesia III 1

This course focuses on advanced nurse anesthesia knowledge of local anesthetics, neuromuscular blocking drugs, and adjunct medications necessary to effectively administer anesthesia to a diverse population.

Prerequisites: NUR 753, NUR 754, NUR 772.

Corequisites: NUR 756, NUR 773.

NUR 758 Pathophysiology of Abdominal Systems for Nurse Anesthesia 3

Advanced knowledge of pathophysiology and anesthesia nursing care related to persons with hepatic, renal, and endocrine dysfunction.

Prerequisites: NUR 727, NUR 729, NUR 732.

NUR 759 Pharmacology of Nurse Anesthesia IV 1

This course focuses on the principles of advanced nurse anesthesia knowledge of antimicrobials, adjunct agents, and concurrent outpatient drug therapy necessary to effectively administer anesthesia to a diverse population.

Prerequisites: NUR 757.

NUR 771A Clinical Practicum in Nurse Anesthesia I 6

This course focuses on the delivery of basic nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

Prerequisites: NUR 727, NUR 728, NUR 729, NUR 730.

Corequisites: NUR 732, NUR 751.

NUR 771B Clinical Practicum in Nurse Anesthesia I 8

This course focuses on the delivery of basic nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

Prerequisites: NUR 771A.

NUR 772 Clinical Practicum in Nurse Anesthesia II 6

This course focuses on the delivery of advanced nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

Prerequisites: NUR 771B.

Corequisites: NUR 753, NUR 754.

NUR 773A Clinical Practicum in Nurse Anesthesia III 5

Delivery of basic anesthesia care to persons in a variety of settings.

Prerequisites: NUR 772.

NUR 773B Clinical Practicum in Nurse Anesthesia III 8

This course focuses on the delivery of complex nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

Prerequisites: NUR 773A.

NUR 774 Clinical Practicum in Nurse Anesthesia IV 6

This course focuses on the delivery of increasingly complex nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

Prerequisites: NUR 773B.

Corequisites: NUR 759.

NUR 775A Clinical Practicum in Nurse Anesthesia V 6

This course focuses on the integration of basic, advanced, and complex nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

Prerequisites: NUR 774.

Corequisites: NUR 758.

Notes: May not be repeated for credit.

NUR 775B Clinical Practicum in Nurse Anesthesia V 7

This course focuses on the integration of basic, advanced, and complex nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

Prerequisites: NUR 775A.

Corequisites: NUR 797.

NUR 780 Special Topics in Nursing Science 1-3

In depth topics of special interest related to nursing and health sciences.

Prerequisites: Permission of instructor.

NUR 781 Health Promotion Models and Interventions 3

Current epidemiological, methodological, and theoretical approaches to health promotion across the lifespan. Intervention strategies are evaluated.

Prerequisites: NUR 702 and NUR 712, or permission of instructor.

NUR 782 Health Disparities and Outcomes 3

Critical analysis of health disparities and outcomes. Differences in access, use, cost, and quality of health care services; causes of health disparities; and strategies to eliminate disparities.

Prerequisites: NUR 781 or permission of instructor.

Corequisites: NUR 704.

NUR 783 Advanced Health Policy and Ethics 3

Advanced analysis and evaluation of domestic and international regulation, financing, and delivery of health care; ethical issues and stakeholders that influence policy; evaluation of policies for selected populations.

Prerequisites: NUR 782 or permission of instructor.

NUR 789 Doctor of Nursing Practice Advanced Practicum 1-8

Integrate evidence-based research, advanced scholarship, and translational research principles to the advanced practice setting in accomplishment of the practicum hours needed to accomplish the DNP Project.

Prerequisites: Admission to Post-Master's DNP Program.

Notes: May be repeated for credit up to 4 times to achieve required total credits for the program, 1000 post-baccalaureate advanced practicum hours, and complete the DNP project.

NUR 790 Directed Research 3

Directed research that culminates in a scholarly product.

Prerequisites: NUR 704 and prior approval of graduate faculty member who will supervise and evaluate the project.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

NUR 792 Independent Study 1-3

Prerequisite: Permission of instructor, Director of Graduate Study and Dean of Graduate School;

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

NUR 797 Integrated Clinical Concepts 2

Principles and theories of advanced anesthesia practice necessary to effectively administer anesthesia for complex adult cases.

Prerequisites: NUR 758, NUR 774.

NUR 799 Dissertation 1-12

Individual direction for the completion of doctoral dissertation research.

Prerequisites: Satisfactory completion of written and oral comprehensive examinations and written permission of dissertation chair.

NUR 801 Thesis Extension 1-3

Thesis Extension.

NUR 802 Dissertation Extension 1-3

Dissertation Extension.

NUR 803 Research Extension 1-3

Research Extension.

NUR 810 Health Promotion and Disease Prevention for Advanced Practice Nursing 3

Theories and application of health promotion and disease prevention from adolescence to elder adulthood for advanced practice nursing.

NUR 811 Primary Care Management of the Adult I for Advanced Practice Nursing 4

Management of acute and chronic illness with emphasis on disease prevention and health promotion among young adults, adults, and older adults.

Prerequisites: NUR 708, NUR 713, NUR 713L, NUR 810.

Corequisites: NUR 709, NUR 709S, NUR 811L.

NUR 811L Practicum for Primary Care Management of the Adult I for Advanced Practice Nursing 3

First in a series of clinical courses. Practicum for management of acute and chronic illness with emphasis on disease prevention and health promotion among young adults, adults, and older adults.

Prerequisites: NUR 708, NUR 713, NUR 713L, NUR 810.

Corequisites: NUR 709, NUR 709S, NUR 811.

NUR 812 Primary Care Management of the Adult II for Advanced Practice Nursing 4

Management of acute and chronic illness with emphasis on disease prevention and health promotion among young adults, adults, and older adults.

Prerequisites: NUR 709, NUR 709S, NUR 811, NUR 811L.

Corequisites: NUR 812L.

NUR 812L Practicum for Primary Care Management of the Adult II for Advanced Practice Nursing 3

Practicum for management of acute and chronic illness with emphasis on disease prevention and health promotion among young adults, adults, and older adults.

Prerequisites: NUR 709, NUR 709S, NUR 811, NUR 811L.

Corequisites: NUR 812.

NUR 813 Primary Care Management of the Older Adult and Frail Elder 4

The management of older adults and frail elders by the Adult Gerontological Nurse Practitioner in primary care.

Prerequisites: NUR 709, NUR 709S, NUR 811, NUR 811L.

Corequisites: NUR 813L.

NUR 813L Practicum for Primary Care Management of the Older Adult and Frail Elder 3

Practicum for management of older adults and frail elders by the Adult Gerontological Nurse Practitioner in primary care.

Prerequisites: NUR 709, NUR 709S, NUR 811, NUR 811L.

Corequisites: NUR 813.

NUR 814 Integrated Clinical Management I for the Advanced Practice Nurse in Primary Care 2

Emphasis is integration of adult patient management with leadership, use of data, and interprofessional collaboration in promotion of healthy lifestyles; evaluation and management of acute and chronic health problems.

Prerequisites: NUR 812, NUR 812L, NUR 813, NUR 813L.

Corequisites: NUR 814L.

NUR 814L Integrated Clinical Practicum in Primary Care I for the Advanced Practice Nurse 3

Practicum for integration of adult patient management with leadership, use of data, and interprofessional collaboration in promotion of healthy lifestyles; evaluation, and management of acute and chronic health problems.

Prerequisites: NUR 812, NUR 812L, NUR 813, NUR 813L.

Corequisites: NUR 814.

NUR 815 Advanced Concepts for Professional Communication in Primary Health Care 2

Complex simulations providing practice in skills necessary for professional communication, critical decision making, and collaboration for advanced practice nursing in primary health care.

Prerequisites: NUR 812, NUR 812L, NUR 813, NUR 813L.

Corequisites: NUR 815L.

NUR 815L Advanced Procedures in Primary Care 1

Complex simulations providing advanced skills in primary care procedures.

Prerequisites: NUR 812, NUR 812L, NUR 813, NUR 813L.

Corequisites: NUR 815.

NUR 817 Advanced Practice Nursing for the DNP: Role, Theory, and Practice 3

Theoretical application to the professional development of the DNP advanced practice nursing role in the health care delivery.

NUR 818 Biostatistics and Epidemiology Principles for Advanced Practice Nursing 3

Application of biostatistics and epidemiology for clinical decision making in advanced practice nursing. Focus on application to populations and clients across the lifespan and to settings of care.

Prerequisites: Admission to DNP program or permission of faculty, undergraduate statistics course.

NUR 819 Effective Leadership for Practice 3

Principles and theories of leadership to effectively practice in complex systems, organizations, and processes.

Prerequisites: Admission to DNP Program.

NUR 820 Nurse Anesthesia Research Seminar 1

This seminar course focuses on the analysis of professional issues affecting anesthesia nursing practice.

Prerequisites: Pr. or Coreq. NUR 620.

NUR 824 Analysis and Application of DNP Essentials: Scientific Underpinnings for Practice and Advanced Nursi 2

Integration of scientific underpinnings for practice and advanced nursing practice principles applied to the role of the DNP in nursing practice.

Prerequisites: Admission to the post master's DNP program.

NUR 825 Analysis and Application of DNP Essentials: Clinical Scholarship and Analytical Methods for Evidence 1

Analysis and integration of clinical scholarship and analytical methods for evidence-based practice applied to the role of the DNP in nursing practice.

Prerequisites: Admission to the post master's DNP program.

NUR 826 Analysis and Application of DNP Essentials: Health Care Policy for Advocacy in Health Care; and Inte 3

Analysis and integration of health care policy for advocacy in health care and interprofessional collaborations for improving outcomes applied to the roles of the DNP in nursing practice.

Prerequisites: Admission to the post master's DNP program.

NUR 827 Analysis and Application of DNP Essentials: Organizational and Systems Leadership, Information Syste 3

Analysis and integration of organizational systems leadership, information systems and technology, and clinical prevention and population health applied to the role of the DNP in nursing practice.

Prerequisites: Admission to the post master's DNP program.

NUR 898A Applied Evidence-Based Practice & Translational Methods Project I 1

An applied evidence-based practice and translational methods project to be completed sequentially in a five-course series.

Prerequisites: NUR 705.

NUR 898B Applied Evidence-Based Practice & Translational Methods Project II 1

An applied evidence-based practice and translational methods project to be completed sequentially in a five-course series.

Prerequisites: NUR 898A.

NUR 898C Applied Evidence-Based Practice & Translational Methods Project III 1

An applied evidence-based practice and translational methods project to be completed sequentially in a five-course series.

Prerequisites: NUR 898B.

NUR 898D Applied Evidence-Based Practice & Translational Methods Project IV 1

An applied evidence-based practice and translational methods project to be completed sequentially in a five-course series.

Prerequisites: NUR 898C.

NUR 898E Applied Evidence-Based Practice & Translational Methods Project V 2

An applied evidence-based practice and translational methods project to be completed sequentially in a five-course series.

Prerequisites: NUR 898D.

Nutrition (NTR)

NTR 103 Introduction to Food Science 3

Basic scientific principles of food preparation with emphasis upon the science of food, standards of selection, purchasing, preparation, storage, preservation, and sustainability.

NTR 203 Basic Quantitative Principles in Food and Nutrition 1

Basic quantitative principles of food production, food service operation, menu planning, food portioning, and menu costing developed through activities that stress adapting standard recipes, measurement conversions, developing basic culinary costing techniques, and use of nutrition-related calculations.

Prerequisites: Grade of C (2.0) or better in MAT 115. NUTR major or minor; Pr. or Coreq.: NTR 103.

NTR 213 Introductory Nutrition 3

Basic principles of human nutrition with emphasis on the nutrients and factors which affect their utilization in the human body.

GE Core: GNS

LEC: GLS

NTR 282 Introduction to Dietetics 1

An overview of dietetics profession that will cover scope of practice, code of ethics, resources for evidence based practice, professional organizations, career options, professional development, and professional trends.

Prerequisites: Nutrition major.

NTR 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

NTR 302 Nutrition Education and Application Processes 3

Study of communication of nutrition science through nutrition education, professional literature, and public media. Evaluation and use of professional and scientific literature in nutrition and food systems.

Prerequisites: Grade of C (2.0) or better in NTR 213 and ENG 101. Written permission required.

NTR 309 Quantity Food Procurement and Production 3

Procurement and production of quantity foods with an emphasis on menu planning, pre-preparation, service, sanitation, delivery systems, selection, use, and care of quantity-food equipment.

Prerequisites: Grade of C (2.0) or better in NTR 203. Written permission required;

Corequisites: NTR 309L.

Notes: Professional liability insurance required.

NTR 309L Qty Food Procurement / Prod Lab 0**NTR 313 Nutrition Throughout the Life Cycle 3**

Principles of nutrition applied to meet the nutrient needs at different stages of the life cycle. Forces governing food availability, acceptability, nutritive quality and safety are stressed in the preparation of nutritional plans for individuals and groups.

Prerequisites: Grade of C (2.0) or better in NTR 213 or permission of instructor .

NTR 400 Supervised Professional Experience 1-4

Supervised professional experience in selected commercial or industrial organizations, public or private agencies in accordance with the major course of study of the student.

NTR 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

NTR 401 Special Problems in Nutrition 1-4

Individual study. Conference hours to be arranged.

NTR 403 Food Science and Technology 2

Lecture covering experimental study of factors regulating the preparation of standard food products and review of current developments in food technology.

Prerequisites: Grade of C (2.0) or better in NTR 103, NTR 203, NTR 213, NTR 302. CHE 110 and CHE 101 or CHE 103 or CHE 111; Written permission required;

Corequisites: NTR 403L.

NTR 403L Food Science and Technology Laboratory 1

Laboratory covering experimental study of factors regulating the preparation of standard food products and review of current developments in food technology.

Prerequisites: Grade of C (2.0) or better in NTR 103, NTR 203, NTR 213, and NTR 302. CHE 110 and CHE 101, or CHE 103, or CHE 111;

Corequisites: NTR 403.

Notes: All types of foods will be prepared and taste tested for sensory evaluation throughout the course and student grades will be based on participation in this course requirement.

NTR 413 Intermediate Nutrition 3

Intermediate approach toward understanding energy metabolism with an emphasis on mechanisms that regulate fuel intake, storage and utilization during normal and altered states of energy demands.

Prerequisites: Grade of C (2.0) or better in NTR 213, BIO 111, BIO 277 or KIN 292, CHE 103, CHE 104.

NTR 421 International Nutrition and Cultural Foods 3

This course examines issues related to food insecurity and malnutrition in developing countries. Diet and food choices are explored in the context of culture, religion, and geographical conditions.

Prerequisites: NUTR major or minor. grade of C (2.0) or better in NTR 213 and NTR 313.

NTR 423 Community Nutrition 3

Current community nutrition trends with emphasis on community services, government projects, and grant proposal writing. Students will engage in community service work to gain experience with important community issues.

Prerequisites: NUTR major or minor. grade of C (2.0) or better in NTR 213, NTR 302, and NTR 313; or permission of instructor .

NTR 426 Management Practices for Dietetics 3

Management practices and administration within foodservice and clinical dietetics settings. Operational assessment, evaluation, and cost control related to foodservice systems in commercial and noncommercial settings.

Prerequisites: Grade of C (2.0) or better in NTR 309 .

NTR 427 Undergraduate Research 2-6

Individual study.

Prerequisites: GPA of 3.0 in nutrition, biology, and chemistry courses, or permission of the instructor.

Notes: May be repeated for credit if topic changes.

NTR 431 Nutrition and Human Metabolism 4

Structure, function, and metabolism of nutrients and related compounds; integration of nutrient metabolism at the cellular level with total body function; practical application of basic principles of nutrient metabolism.

Prerequisites: Minimum grade of C in BIO 277 or KIN 292, NTR 413, and CHE 103 (or CHE 111). CHE 104 (or CHE 114); CHE 110 (or CHE 112); CHE 205 (or CHE 351 and CHE 352); CHE 206 (or CHE 354); or their equivalents as determined by the instructor.

NTR 450 Nutrition Assessment 3

Assessment of nutritional status of healthy and ill persons before initiation of medical nutrition therapy.

Prerequisites: Grade of C (2.0) or better in BIO 277 or KIN 292. completion of NTR 213, NTR 313, and NTR 413.

NTR 450L Nutrition Assessment Lab 0**NTR 453 Child and Adolescent Nutrition 3**

Nutritional needs of children and adolescents; methods of evaluating nutritional status of these groups; effects of nutrition on development.

Prerequisites: Grade of C (2.0) or better in NTR 213 or equivalent, and BIO 277 or equivalent.

NTR 460 Advanced Nutrition 4

Biochemical and physiological aspects of nutrient metabolism and utilization. Nutrient metabolism, flux, and requirements during the lifecycle and during fed/fasted states will be discussed, with emphasis on mechanisms that regulate these processes.

Prerequisites: Grade of C or better in NTR 313, NTR 413, NTR 431, and BIO 277 or KIN 292, or equivalents as determined by the instructor.

NTR 473 Medical Nutrition Therapy 4

Clinical aspects of nutrition. Development and use of therapeutic diets to combat nutritional diseases and physiological disorders.

Prerequisites: Grade of C or better in NTR 313, NTR 413, NTR 431, NTR 450, NTR 460, and BIO 277 or KIN 292.

NTR 473L Medical Nutrition Therapy Lab 0**NTR 476 Sports Nutrition 3**

Application of sports nutrition recommendations among athletes.

Principles of diet planning and goal setting for optimizing training and athletic performance. Common and current nutrition-related topics in sports nutrition.

NTR 482 Professionalism in Dietetics 1

Capstone course in dietetics covering professional practice guidelines, public policy, healthcare systems and/or policies, reimbursement, and a review of the five subject areas of the Academy of Nutrition and Dietetics and registration exam.

Prerequisites: Minimum grade of C in BIO 277 or KIN 292, NTR 282, NTR 313, NTR 413, NTR 431, and NTR 450.

Corequisites: NTR 460.

NTR 493 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

NTR 500 Supervised Professional Experience 1-4

Supervised professional experience in selected commercial or industrial organizations, public or private agencies in accordance with the major course of study of the student.

NTR 531 Nutrition and Human Metabolism 4

Structure, function, and metabolism of nutrients and related compounds; integration of nutrient metabolism at the cellular level with total body function; practical application of basic principles of nutrient metabolism.

Prerequisites: Minimum grade of C in BIO 277 or KIN 292, NTR 413, and CHE 103 (or CHE 111). CHE 104 (or CHE 114); CHE 110 (or CHE 112); CHE 205 (or CHE 351 and CHE 352); CHE 206 (or CHE 354); or their equivalents as determined by the instructor.

NTR 550 Nutrition Assessment 3

Assessment of nutritional status of healthy and ill persons before initiation of medical nutrition therapy.

Prerequisites: Grade of C (2.0) or better in BIO 277 or KIN 292. completion of NTR 213, NTR 313, and NTR 413.

NTR 550L Nutrition Assessment Lab 0**NTR 560 Advanced Nutrition 4**

Biochemical and physiological aspects of nutrient metabolism and utilization. Nutrient metabolism, flux, and requirements during the lifecycle and during fed/fasted states will be discussed, with emphasis on mechanisms that regulate these processes.

Prerequisites: Grade of C or better in NTR 313, NTR 413, NTR 531, and BIO 277 or KIN 292, or equivalents as determined by the instructor.

NTR 573 Medical Nutrition Therapy 4

Clinical aspects of nutrition. Development and use of therapeutic diets to combat nutritional diseases and physiological disorders.

Prerequisites: Grade of C or better in NTR 313, NTR 413, NTR 531, NTR 550, NTR 560, and BIO 277 or KIN 292.

NTR 573L Medical Nutrition Therapy Lab 0**NTR 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

NTR 601 Directed Study in Nutrition 1-6

Prerequisite: Permission of graduate faculty member;

Notes: May be repeated for credit. Grade: Satisfactory/Unsatisfactory (S/U).

NTR 602 Supervised Preparation for Professional and Community Engagement 3

Preparation for clinical supervised practice experiences in dietetics; helping relationships skills, human resource management, marketing strategies for revenue generating services in dietetics, appropriate professional conduct in patient care.

Prerequisites: Admission into the DI program or NTR 573 and NTR 560.

NTR 606A Practicum in Clinical Dietetics 3-6

For Dietetic Internship students only. Practical experience in the professional areas of dietetics: management, clinical, and community.

Prerequisites: Grade of B or better in NTR 693.

Notes: Required for Dietetic Internship students. Combination of credit not to exceed 9 credit hours.

NTR 606B Practicum in Clinical Dietetics 3-6

For Dietetic Internship students only. Practical experience in the professional areas of dietetics: management, clinical, and community.

Prerequisites: Grade of B or better in NTR 693.

Notes: Required for Dietetic Internship students. Combination of credit not to exceed 9 credit hours.

NTR 606C Practicum in Clinical Dietetics 3-6

For Dietetic Internship students only. Practical experience in the professional areas of dietetics: management, clinical, and community.

Prerequisites: Grade of B or better in NTR 693.

Notes: Required for Dietetic Internship students. Combination of credit not to exceed 9 credit hours.

NTR 607 Nutrition Education 3

Philosophy, principles, methods, and materials involved in nutrition education. Emphasis on development of nutrition education curriculum and programs in school and community.

Prerequisites: NTR 550 or equivalent or permission of instructor.

NTR 609A Seminar in Nutrition 1

Review, analysis and presentation of recent research findings and issues in food and nutrition.

Notes: May be repeated for credit when topic varies. Enrollment for two credits requires presentation of seminar; Grade: NTR 609A, 1 hour credit, graded Satisfactory/Unsatisfactory (S/U); NTR 609B, 2 hours credit, graded by letter grade.

NTR 609B Seminar in Nutrition 2

Review, analysis and presentation of recent research findings and issues in food and nutrition.

Notes: May be repeated for credit when topic varies. Enrollment for two credits requires presentation of seminar; Grade: NTR 609A, 1 hour credit, graded Satisfactory/Unsatisfactory (S/U); NTR 609B, 2 hours credit, graded by letter grade.

NTR 623 Current Trends in Nutrition 3

Emphasis on current trends in nutrition research/education from a molecular, cellular and/or human perspective.

Prerequisites: Senior or graduate level course in nutrition or permission of instructor.

Notes: May be repeated for credit when topic varies.

NTR 625 Gene Expression and Protein Metabolism 2

Integration of cell biology and protein metabolism in relation to gene expression and regulation of enzyme activity in mammalian cells. Critical analysis of recent literature.

Prerequisites: Previous course in general nutrition, biochemistry and mammalian physiology and unconditional admission to the graduate program in Nutrition or other life sciences, or permission of instructor.

NTR 626 Energy, Carbohydrate, Lipid Metabolism 2

Analysis of energy intake and metabolism; carbohydrate and lipid absorption, transport, and tissue-specific utilization. Clinical applications. Critical analysis of recent literature.

Prerequisites: NTR 625, previous course in general nutrition, biochemistry and mammalian physiology, and unconditional admission to the graduate program in Nutrition or other life sciences. or permission of instructor.

NTR 627 Antioxidants and Bioactive Food Components 2

Metabolism and function of selected bioactive food components, such as flavonoids, stanols, and sterols, anthocyanins, carotenoids, polyphenolics, indole-3-carbinol. Clinical applications. Critical analysis of recent literature.

Prerequisites: NTR 625, previous course in general nutrition, biochemistry, and mammalian physiology, and unconditional admission to the graduate program in Nutrition or other life sciences. or permission of instructor.

NTR 628 Vitamins and Minerals 2

Metabolism functions of selected vitamins. Regulation of selected trace metals emphasizing nutrient-gene interactions. Clinical applications. Critical analysis of recent literature.

Prerequisites: NTR 625, previous course in general nutrition, biochemistry and mammalian physiology, and unconditional admission to the graduate program in Nutrition or other life sciences. or permission of instructor.

NTR 645 Teaching Practicum in Nutrition 3

Provides a supervised, structured learning experience in teaching for graduate students in the Department of Nutrition. Professors provide guidance for graduate students during the experience.

Prerequisites: Admission to the graduate program in nutrition or permission of instructor.

NTR 653 Problems in Food and Nutrition 2-4

Individual student problems related to food and nutrition.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit. Grade: Satisfactory/Unsatisfactory (S/U).

NTR 670 Research Skill Development 2-6

Notes: May be repeated for credit; Grade: Satisfactory/Unsatisfactory (S/U).

NTR 673 Nutrition Research Methodology 3

Diverse research techniques used in cellular, small animal, and human experimental studies in nutritional sciences. Orientation to research methodologies, grant proposal writing, ethical use of human (IRB) and animal (IACUC) models, and policy in nutrition.

Prerequisites: NTR 531 or equivalent as determined by the department.

NTR 676 Nutrition and Physical Performance 3

Effects of nutrition on physical performance, alterations in nutrient metabolism from increased activity, interaction of diet and exercise on aging and disease processes, training and competition diets examined.

Prerequisites: Course work in biochemistry and physiology required, 531, 560, or equivalent courses, BIO 277.

NTR 693 Supervised Preparation for Practicum in Clinical Dietetics 3

Development of nutritional therapies for certain disease conditions.

Evaluation of the physiological and biochemical bases for such therapies.

Prerequisites: Admission to DI program or NTR 573 and permission of instructor.

NTR 699 Thesis 1-6

Notes: Required of all candidates for the Master of Science degree; Credit may be divided over two or more semesters; Grade: Satisfactory/Unsatisfactory (S/U).

NTR 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

NTR 790 Doctoral Research 1-6

Individual work on problems related to student's primary area(s) of specialization. Empirical research or critical reviews and integrations of literature.

Prerequisites: Approval of graduate faculty member.

Notes: May be repeated for credit. Grade: Satisfactory/Unsatisfactory (S/U).

NTR 799 Dissertation Problem 1-12

Prerequisite: Completion of oral and written comprehensive examinations;

Notes: Required of all candidates for the Doctor of Philosophy degree. May be repeated for credit; Grade: Satisfactory/Unsatisfactory (S/U).

NTR 801 Thesis Extension 1-3

Thesis Extension.

NTR 802 Dissertation Extension 1-3

Dissertation Extension.

NTR 803 Research Extension 1-3

Online NC Interinstitutional (ONC)

ONC 101 Online NC Interinstitutional 0.5-12

Peace and Conflict Studies (PCS)

PCS 205 Violence in the Modern World 3

Designed to provide a cross-disciplinary examination of violence and peace. Students will be engaged in an exploration of world issues and their impact at the local level.

GE Marker: GL

PCS 212 Introduction to Peace and Conflict Studies 3

Explore sources of conflict, war, social oppression, and violence and the challenges of promoting peace and justice. Examine the strategies for introducing equitable and nonviolent methods for conflict transformation.

GE Core: GSB

PCS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PCS 305 Foundations of Peace and Conflict Studies 3

This course surveys the basic practical and theoretical foundations of peace and conflict transformation. The basic theories of conflict transformation provide a framework for understanding the dynamics of practice.

GE Marker: GN

PCS 308 Working through Interpersonal Conflicts 3

Explores the causes of interpersonal and inter-group tensions and the techniques (micro-level processes) to address them effectively whether in the workplace, community, or at home.

PCS 309 Conflict and Culture 3

Critical multiculturalism provides the framework for exploring multiple dimensions of diversity and its impact on creating and transforming conflicts. The impact of cultural interactions is a core focus.

GE Marker: GN

PCS 311 Conflict Research 3

This course is an introduction to qualitative, quantitative and mixed method research from social, organizational and conflict perspectives. Emphasis is placed on research design, question formulation, sampling, recruiting, data analysis and practical research activity.

Prerequisites: PCS 305.

PCS 312 Conflict Systems and Analysis 3

This course examines the practical and theoretical approaches to evaluating and remediating organizational conflict. Organizational analysis techniques and internal dispute resolution systems are explored.

PCS 315 Conflict Transformation 3

Examine the theory, practice, and narrative of conflict transformation. Transformative models, locally and globally, are explored and, the process of ending destructive action and promoting constructive change are engaged.

PCS 318 Managing Conflict in Professional Contexts 3

Through the study and application of multiple theories, principles, and skills, students will learn about methods and processes for managing conflict in professional contexts.

PCS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PCS 405 Localizing Peace 3

This course will investigate local peace-building and sustainable development within diverse political, cultural and economic contexts. It explores models for collective action toward non-violent conflict and positive peace.

PCS 406 Environmental Justice: Interdisciplinary Response for Sustainability 3

Interdisciplinary exploration of models that address social, economic, environmental justice concerns and their impact on community, economic, and environmental sustainability.

Notes: Same as SWK 405.

PCS 415 Global Peacebuilding 3

This course explores the complexity of engaging local and global peace and conflict practice (macro-level process) that enhances the building and nurturing of civic society in the 21st century.

PCS 416 Practicum I 4

Through a directed learning experience in a practicum setting, students engage with communities through entry level practices and engaged inquiry experiences reflecting on the field of Peace and Conflict Studies.

Prerequisites: PCS 305, PCS 308, PCS 309, PCS 311, PCS 318. PCST major; Junior or senior standing.

PCS 417 Practicum II 3

Emphasis is placed upon extended application and evaluation in the practice or research environment. Continues critical review and analysis of setting for engagement.

Prerequisites: PCS 416. PCST major; senior standing;

Corequisites: PCS 415.

PCS 418 Peacebuilding Challenges in a Complex World 3

Introduction to the interdisciplinary theory, research, and intervention strategies used in peacebuilding operations.

PCS 420 Senior Seminar 3

Final capstone course in which students integrate theory, models of practice and research/evaluation through a community based project documented with an electronic portfolio for presentation.

Prerequisites: PCS 305, PCS 308, PCS 309, PCS 311, PCS 315, PCS 318. PCST major; senior standing;

Corequisites: PCS 416.

PCS 433 Restorative Justice: Theory and Models 3

Examines the principles and practices of restorative justice, evaluating the potentials and limitations of restorative methods and interventions in the US and internationally.

Notes: Same as SWK 433.

PCS 440 Social Entrepreneurship: Justice and a Green Environment 3

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

Prerequisites: Upper-division undergraduate status.

Notes: Same as BUS 440, ENT 440, WGS 440.

PCS 450 Independent Study in Peace and Conflict Studies 1-3

Independent study opportunity for students to engage in an in-depth exploration of a topic of special interest within the context of Peace and Conflict Studies.

Prerequisites: Permission of instructor.

Notes: May be repeated once for credit when topic varies.

PCS 456 Sports, Conflict, and Peacebuilding 3

The role that sports play in reflecting political, religious, ethnoracial, and social class conflicts is explored. The possibilities for using sports to teach skills for peaceful transformation are examined.

PCS 479 Gender and Peacebuilding 3

Examines the role of gender, sex, diversity, and power relations in the creation and resolution of conflict and building of peace.

Notes: Same as SWK 479.

PCS 505 Environmental Justice: Interdisciplinary Response for Sustainability 3

Interdisciplinary exploration of models that address social, economic, environmental justice concerns and their impact on community, economic, and environmental sustainability.

Notes: Same as SWK 505.

PCS 540 Social Entrepreneurship: Justice and a Green Environment 3

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

Notes: Same as ENT 540, PCS 540, WGS 540.

PCS 579 Gender and Peacebuilding 3

Examines the role of gender, sex, diversity, and power relations in the creation and resolution of conflict and building of peace.

Notes: Same as SWK 579.

PCS 600 Principles and Practice of Conflict Management and Resolution 3

Introduction to the interdisciplinary theory, research conflict analysis and intervention strategies which form the foundation of peace and conflict studies.

PCS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PCS 601 Indigenous Peace Practices 3

Explores multiple dimensions of diversity in creating and resolving conflicts. Students will explore their own culture beliefs and values as well as diverse conflict models and systems around the world.

PCS 605 Skills and Techniques of Conflict Management 3

Theory and practice to develop a foundation of interpersonal skills and techniques needed by conflict professionals such as communication, negotiation, mediation, assessment, and presentation. Service learning project required.

PCS 606 Organizational Conflict: Diagnostic and Intervention Tools 3

Theories, methods, and practices in assessing and transforming conflict in modern organizations.

Prerequisites: PCS 600 and PCS 601 or permission of instructor.

PCS 607 Conflict Analysis: Theories of Change 3

Students are introduced to key conflict analysis concepts and models. Different analytic frameworks are used to assess international conflicts. Students participate simulation exercise.

PCS 608 Topics in Peace and Conflict Studies 3

Concepts such as peace, conflict, violence, war, international order, state actors, non-state actors, power, international law, international organization, terrorism, conflict management, political economy and peacebuilding, among others are examined based on particular contemporary conflict cases.

Notes: May be repeated for credit when topic varies.

PCS 609 Community Engaged Research 3

After exploration of qualitative, quantitative, mixed-method, and action research philosophy and methods. Teams of students design an action research proposal.

Prerequisites: PCS 607 or permission of instructor.

PCS 610 Transitional Justice 3

Explore nonviolent responses to conflict and violence that are oriented to the restoration of relationships damaged by crime, war, community, and workplace violence.

PCS 611 Governance in Conflict Environments 3

Introduction to key principles, functions, and institutions to develop enhanced governance in conflict environments worldwide. Exploration of concepts, contextual frameworks, and programs to provide assistance in conflict environments.

PCS 612 Civil Military Integration in Conflict Management 3

Exploration of the mission, roles, and responsibilities of civil-military interaction teams in their collaboration to assess, design, and implement interventions to stabilize conflict environments after violent encounters.

PCS 613 Developing Civil-Military Partnerships in Conflict Environments 3

Through contemporary case studies, this course examines how senior civilian and military leaders and their supporting organizations analyze conditions and identify challenges in civil military engagement in conflict environments.

PCS 615 War in the Modern World: What is it Good For? 3

War and morality are concerns within the theoretical framework of peace and conflict studies, providing the base for practice as viewed within an historical and cultural context.

PCS 625 Conflict Resolution in Education: K-12 3

Explores conflict resolution theory, practice, and programming in educational settings and community organizations. Peer, professional, and systemic conflicts will be examined.

Prerequisites: PCS 600 or permission of instructor.

PCS 627 Seminar in Contemporary Issues in Peace and Conflict Studies 3

An investigation of current Global North and Pan-Western peace and conflict models and their impact on human security and humanitarian assistance.

PCS 631 Crisis Management: Response and Resolution 3

Overview of critical incident response, management and resolution in relation to individual, family, community, and organizational perspectives.

PCS 650 Independent Study 3

Intensive study guided by the graduate faculty.

PCS 665 Religion: Conflict and Confrontation 3

Overview of conflict analysis and intervention strategies in religious communities and organizations. Analyze and implement models of reconciliation and forgiveness.

PCS 676 Peace Development and Community Building 3

Approaches to community and peacebuilding, with emphasis on understanding power and conflict, are taught within a global context. Strategies are developed for building peace and community through civic engagement.

Prerequisites: PCS 600 and PCS 601 or permission of instructor.

PCS 677 International Human Rights Advocacy 3

Course will explore international human rights norms, laws, theory and practice, with an emphasis on analytical and advocacy skills. Current debates in the field will be explored with implications for policy.

PCS 685 Resolving Conflict in Health Care Systems: Achieving Peace through Health 3

Peace building and conflict resolution in health care and humanitarian initiatives; human rights and social justice perspective.

PCS 690 Integrated Colloquium: Professional Development Project 3

Final capstone course in which students integrate theory, research, and practice skills through an integrative project. (Research or Field Hours required).

Prerequisites: PCS 600, PCS 601, PCS 605, PCS 609, PCS 610.

Corequisites: PCS 606, PCS 607.

PCS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PCS 803 Research Extension 1-3

Philosophy (PHI)

PHI 111 Introduction to Philosophy 3

Discussion of views and methods of major philosophers. Topics drawn from metaphysics and epistemology, such as the foundations and scope of human knowledge, personal identity, freedom and determinism, and the mind-body problem.

GE Core: GPR

PHI 115 Critical Thinking 3

Introduction to basic principles of reasoning and argumentation. Topics taken from syllogistic reasoning, probability, informal fallacies, the structural analysis of statements, and scientific methods.

GE Core: GRD

PHI 119 Introduction to Ethics 3

Fundamental questions of ethics, such as the nature of the distinction between good and evil, moral right and wrong, the foundation of moral judgments, relativism, absolutism, and subjectivism. Readings from major figures in the history of ethics.

GE Core: GPR

PHI 121 Contemporary Moral Problems 3

Philosophical readings and discussion of such current topics as abortion, euthanasia, capital punishment, censorship, sexual morality, affirmative action and preferential hiring, environmental ethics, population control, and the morality of war.

GE Core: GPR

PHI 220 Medical Ethics 3

Moral problems in medicine including the patient's right to know, the confidentiality of doctor-patient communications, informed consent and experimentation with human subjects, abortion, euthanasia, socialized medicine, conflicts between medicine and religion, and genetic engineering.

GE Core: GPR

PHI 222 Ethics in the Computer Age 3

The course will survey select moral problems arising from computer technology in contemporary life, focusing on analysis of specific problems, stakeholders, and consequences, and the historical impact of computer technology.

GE Core: GPR

PHI 251 History of Ancient Philosophy 3

Survey of Western philosophical thought in the ancient period from the pre-Socratics, Plato, Aristotle, the Sceptics, Stoics, Epicureans. Particular choices of texts and philosophical ideas may vary.

GE Core: GHP

GE Marker: GL

LEC: GPM

PHI 252 History of Modern Philosophy 3

Survey of Western philosophical thought in the seventeenth and eighteenth centuries, its historical background and its influences on subsequent intellectual developments. Reading from major figures of the period, such as Descartes, Locke, Berkeley, Leibniz, Spinoza, Hume, and Kant.

GE Core: GHP

GE Marker: GL

LEC: GMO

PHI 267 Existentialism 3

Introduction to the fundamental ideas of existentialism. Readings from Kierkegaard, Heidegger, Sartre.

PHI 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PHI 301 Topics in Philosophy 3

Variable content.

Notes: May be repeated for credit when topic varies.

PHI 310 Introduction to Formal Logic 3

Validity, consistency, implication, and the formal analysis of language. Propositional logic and quantification theory.

GE Core: GRD

PHI 319 Knowledge, Truth, and Belief 3

Discussion of concepts central to an understanding of the nature of human knowledge, such as truth, evidence, certainty, intuition, perception, the reasonableness of belief, and the reliability theory of justification.

Prerequisites: PHI 310.

PHI 321 Ethical Theory 3

Analysis of the meaning of moral concepts such as good, right, ought, duty, and of the nature of ethical argument. Attention to current theories in normative ethics.

Prerequisites: One course in Philosophy.

PHI 322 Philosophy of the Arts 3

Philosophical problems concerning description, interpretation, and evaluation of the visual, performing, and literary arts, discussed generally and in relation to specific works of art. Readings in philosophy and art theory.

PHI 324 Philosophy of Race and Gender 3

This course provides historical background for understanding racial inequalities, focuses on the concepts of race and gender and how they are connected to racism and sexism, and explores the concept of intersectionality.

PHI 325 Introduction to the Philosophy of Science 3

Concepts important to an understanding of the nature and goals of research in the natural sciences, such as observation, experiment, theory, law, and explanation. Philosophical problems about objectivity and conceptual change in science based on examples from the history of science. Nature of scientific knowledge.

Notes: One course in natural science recommended.

PHI 331 Social and Political Philosophy 3

Theories of the origin and justification of legal systems, our obligation to obey the law, justice, punishment, and related issues. Readings from classical and contemporary sources. Course available via a WEB D-section for PHI Online Degree Completion Program students only.

GE Core: GPR

PHI 335 Philosophy of Law 3

Theories of the origin and justification of legal systems, our obligation to obey the law, justice, punishment, and related issues. Readings from classical and contemporary sources.

PHI 336 Philosophy of Crime and Punishment 3

Critical discussion of philosophical questions raised by criminal law, including the moral justification of punishment, the theoretical underpinnings of various criminal defenses, and the conceptual distinctions among types of crimes.

GE Core: GPR

PHI 338 Ethics and International Affairs 3

Critical discussion of topics such as human rights, the morality of war and terrorism, international distributive justice, poverty and international aid, self-determination and secession, immigration policy, and global environmental issues.

GE Core: GPR

GE Marker: GL

PHI 348 Existentialism, Phenomenology, and Structuralism 3

Recent philosophical movements in France and Germany. Application of structuralist models to the human sciences. Post-structuralist developments such as Deconstruction and Hermeneutics. Selections from such writers as Husserl, Levi-Strauss, Foucault, Lacan, Althusser, Derrida, Gadamer, and Ricoeur.

PHI 351 Major Philosophers 3

Systematic examination of the works of a major philosopher.

PHI 357 Metaphysics 3

Selected metaphysical issues such as personal identity and the immortality of the soul, freedom and determinism, the nature of space, time and substance, the problem of universals, forms of realism, and theory of reference. Course available via a WEB D-section for PHI Online Degree Completion Program students only.

PHI 359 Philosophy of Religion 3

Arguments concerning God's existence, the problem of evil, God's foreknowledge and human freedom, the analysis of divine attributes, immortality, and the soul.

GE Core: GPR

PHI 361 Ethical Issues in Business 3

Ethical theory and its application to business: economic justice, corporate responsibility, self-regulation and government regulation, conflict of interest, investment policy, advertising, and environmental responsibility.

GE Core: GPR

GE Marker: GN

Notes: Students may not receive credit for both PHI 361 and PHI 362.

PHI 362 Ethical Issues in Entrepreneurship 3

Application of ethical theory to global entrepreneurship; including entrepreneur's role in ethical actions, economic justice, responsibility, self and government regulation, conflict of interest, investment policy, advertising, and environmental responsibility.

GE Core: GPR

GE Marker: GN

Notes: Students may not receive credit for both PHI 361 and PHI 362. Same as ENT 362.

PHI 363 Environmental Ethics 3

The ethics of our relationship to the environment. Traditions in environmentalism; treatment of animals, nature, plants, and species; application of environmental ethical theory to real-world environmental problems.

PHI 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PHI 401 Reading Course for Seniors 1-3

Supervised reading and research for philosophy majors.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit.

PHI 402 Independent Study 1-3

Prerequisite: Satisfaction of requirements for the major in philosophy and permission of instructor;

Notes: May be repeated for credit.

PHI 420 Advanced Topics in Biomedical Ethics 3

Detailed examination of a particular issue in biomedical ethics, such as research ethics, assisted suicide and euthanasia, and the acquisition and allocation of organs for transplantation.

Prerequisites: PHI 220.

PHI 424 Philosophy of Social and Behavioral Science 3

Issues in philosophy of social and behavioral science from Hume to the present: explanation, theory construction, methodology of the social sciences, the status of the sociology of knowledge.

PHI 426 Philosophy of Physical Science 3

Study of a major current issue in the philosophy of science such as scientific progress and change, scientific methods, experiment and theory, scientific explanation, rationality, scientific realism, relations between philosophy of science and history of science. Examples drawn from modern history of the physical sciences.

PHI 445 Social Philosophy 3

Topics from social, political, and legal philosophy, such as property, justice, punishment, liberalism, conservatism, and a study of such major figures as Hobbes, Locke, Mill, and Rawls.

PHI 458 Philosophy of Mind 3

The mind-body problem, identity theories, functionalism, reductive and eliminative materialism, behavioral and causal theories of mind.

PHI 474 Advanced Logic 3

Axiomatic first order quantification theory with completeness theorems. Numbers and sets. Paradoxes and type theory. Introduction to modal logic.

Prerequisites: PHI 311 or permission of instructor.

PHI 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

PHI 494 Senior Capstone Course 3

Variable content. Senior-level philosophical work on some thematic topic. Elements and methods of philosophical argument, research and debate. Technology competencies and information skills/ research competencies in the major. Course available via WEB D-section for PHI Online Degree Completion Program students only.

PHI 523 Philosophy of Social and Behavioral Science 3

Issues in philosophy of social and behavioral science from Hume to the present: explanation, theory construction, methodology of the social sciences, the status of the sociology of knowledge.

PHI 525 Philosophy of Physical Science 3

Study of a major current issue in the philosophy of science such as scientific progress and change, scientific methods, experiment and theory, scientific explanation, rationality, scientific realism, relations between philosophy of science and history of science. Examples drawn from modern history of the physical sciences.

PHI 559 Philosophy of Mind 3

The mind-body problem, identity theories, functionalism, reductive and eliminative materialism, behavioral and causal theories of mind.

PHI 575 Advanced Logic 3

Axiomatic first order quantification theory with completeness theorems. Numbers and sets. Paradoxes and type theory. Introduction to modal logic.

Prerequisites: PHI 311 or permission of instructor.

PHI 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PHI 601 Advanced Topics in Philosophy 3

Topics may include relativism, legal ethics, and artificial intelligence.

Prerequisites: Permission of Instructor.

Notes: May be repeated for credit when topic varies.

PHI 620 Ethics and Genetics 3

Ethical issues in the acquisition and application of knowledge about the human genome. Topics include genetic testing and abortion, predictive testing, testing for minors, confidentiality, gene therapy, and human cloning.

Prerequisites: Matriculation to third semester of MS genetic counseling program or permission of instructor.

PHI 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Physics (PHY)

PHY 101 Methods, Skills, and Strategies for Physics 3

Knowledge, skills, and strategies for surviving and excelling at physics. Includes essential analytical skills, key physics ideas, problem-solving techniques, critical-thinking practice, and academic success tips.

PHY 196 Individual Study 1-3

Individual study on a topic of personal interest, mentored by a willing faculty member. Appropriate for topics requiring no prior physics knowledge.

Prerequisites: Permission of instructor.

Notes: May be repeated for a total of 6 credit hours with permission of department.

PHY 205 Conceptual Physics 3

Introduction to basic laws of physics made by extensive use of demonstrations. Concepts emphasized and mathematical manipulations held to a minimum.

GE Core: GNS

LEC: GPS

Notes: No student may receive credit for this course if credit has previously been earned for PHY 211, PHY 212, PHY 291, or PHY 292. Registration in laboratory (PHY 205L) optional.

PHY 205L Conceptual Physics Laboratory 1

The discovery approach will be used to conduct experiments in mechanics, fluids, heat, electricity and magnetism, optics and modern physics.

GE Core: GNS

LEC: GPS

Corequisites: PHY 205 .

PHY 211 General Physics I 3,4

Introduction of laws and properties of matter, sound, heat, optics, electricity, and magnetism. Algebra and trigonometry used in development of this material.

GE Core: GNS

LEC: GPS

Prerequisites: A grade of C or better in MAT 151 or MAT 190, or permission of instructor.

Notes: Laboratory is included in PHY 211 and PHY 212. No student may receive credit for PHY 211 or PHY 212 if credit has previously been earned for PHY 211A or PHY 212A or PHY 291 or PHY 292.

PHY 211A General Physics I 4

Introduction of laws and properties of matter, sound, heat, optics, electricity, and magnetism. Algebra and trigonometry used in development of this material.

GE Core: GNS

LEC: GPS

Prerequisites: A grade of C or better in MAT 151 or MAT 190, or permission of instructor.

Notes: Laboratory is included in PHY 211 and PHY 212. No student may receive credit for PHY 211 or PHY 212 if credit has previously been earned for PHY 211 or PHY 212A or PHY 291 or PHY 292.

PHY 211L General Physics Lab I 0**PHY 212 General Physics II 3,4**

Introduction of laws and properties of matter, sound, heat, optics, electricity, and magnetism. Algebra and trigonometry used in development of this material.

GE Core: GNS

LEC: GPS

Prerequisites: A grade of C or better in PHY 211 or permission of instructor.

Notes: Laboratory is included in PHY 211 and PHY 212. No student may receive credit for PHY 211 or PHY 212 if credit has previously been earned for PHY 211A or PHY 212A or PHY 291 or PHY 292.

PHY 212A General Physics II 4

Introduction of laws and properties of matter, sound, heat, optics, electricity, and magnetism. Algebra and trigonometry used in development of this material.

GE Core: GNS

LEC: GPS

Prerequisites: A grade of C or better in PHY 211 or permission of instructor.

Notes: Laboratory is included in PHY 211 and PHY 212. No student may receive credit for PHY 211 or PHY 212 if credit has previously been earned for PHY 211A or PHY 212 or PHY 291 or PHY 292.

PHY 212L General Physics Lab II 0**PHY 291 General Physics I with Calculus 3,4**

Introduction to the laws and properties of mechanics and heat using calculus.

GE Core: GNS

LEC: GPS

Prerequisites: Grade of C or better in MAT 191.

Corequisites: MAT 292.

PHY 291L General Physics I with Calculus Lab 0

Laboratory supporting PHY 291.

LEC: GPS

Corequisites: PHY 291.

Notes: No grade is awarded with this course number. Grades are awarded with the lecture course.

PHY 292 General Physics II with Calculus 4

Introduction to the laws and properties of electricity, magnetism, sound, and optics using calculus.

LEC: GPS

Prerequisites: Grade of C or better in MAT 292 and PHY 291.

Notes: Laboratory is included in PHY 292. students must register for PHY 292L concurrently. PHY 291 and PHY 292 together constitute a one-year university physics course. No student may receive credit for this course if credit has previously been earned for PHY 212 or PHY 212A.

PHY 292L General Physics II with Calculus Lab 0

Laboratory supporting PHY 292.

LEC: GPS

Corequisites: PHY 292.

Notes: No grade is awarded with this course number. Grades are awarded with the lecture course.

PHY 294 Introduction to Computational Physics Laboratory 1

Introduction to computational techniques used in physics and engineering. Use of software to solve problems in physics and astronomy, including simulation of interesting physical situations.

Prerequisites: Grade of C or better in PHY 292. or grade of C or better in PHY 291 and concurrent registration in PHY 292; Pr. or Coreq.: PHY 292.

PHY 296 Individual Study 1-3

Individual study on a topic of personal interest, mentored by a willing faculty member. Appropriate for topics comparable to PHY 291/PHY 292 in level and requiring some prior physics knowledge.

Prerequisites: Permission of instructor.

Notes: May be repeated for a total of 6 credit hours with permission of department.

PHY 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PHY 311 Intro to Experimental Methods 3

Selected experiments with emphasis on laboratory techniques, methods of data analysis, knowledge of instrumentation, and the writing of laboratory reports. Intended to prepare students for research and advanced laboratory work.

Prerequisites: Grade of C or better in PHY 321 and grade of C or better in PHY 351. or permission of instructor.

PHY 321 Introduction to Modern Physics 3

Fundamental concepts of atomic, molecular, nuclear, and solid state physics from quantum-mechanical and special relativity points of view. Topics include special relativity, wave-particle dualism, Schrodinger equation, hydrogen atom, atomic spectra, nuclear structure, radioactivity, nuclear reactions, and molecular and solid state physics.

Prerequisites: Grade of C or better in PHY 292.

Corequisites: MAT 390 and MAT 394. or permission of instructor.

PHY 321L Modern Physics Laboratory 1

Performance of atomic, nuclear, and solid state physics experiments and analysis of data in a quantitative and scientific manner. Simple computer programs used to study the concepts of error and least-square-fit techniques.

Prerequisites: Completion of or current registration in PHY 321. Pr. or Coreq.: PHY 321.

PHY 323 Mechanics 3

Mathematical treatment of classical kinematics and dynamics of a particle in a uniform field, in oscillatory motion and simple motions of systems of particles. Analytical and numerical techniques of problem solution stressed.

Prerequisites: Grade of C or better in PHY 292 and PHY 351. or permission of instructor;

Corequisites: MAT 390 and MAT 394. or permission of instructor.

PHY 325 Electricity and Magnetism I 3

A study, developing and using techniques of vector algebra and calculus, of topics in the theory of static electric and magnetic fields including the divergence and Stokes' theorems and the law of Gauss, Biot-Savart, and Ampere. Application to the properties of conductors, dielectric, and magnetic materials.

Prerequisites: Grade of C or better in MAT 390, MAT 394, PHY 292 and PHY 351.

PHY 325L Electricity and Magnetism Laboratory 1

Performance of electricity and magnetism and electronic experiments with analysis of these basic phenomena as applied to research laboratory.

Prerequisites: Completion of or concurrent registration in PHY 325.

Corequisites: PHY 325 (if not satisfied as a prerequisite)

PHY 327 Thermal Physics 3

Properties of matter developed by combining thermodynamic reasoning with molecular theory.

Prerequisites: Grade of C or better in MAT 394, PHY 321, and PHY 351.

PHY 331 Experimental Physics 1

Advanced courses in laboratory techniques as involved in special laboratory problems.

PHY 333 Selected Topics 1-3

Primarily intended for those who are not physical science majors. Topics vary with instructor and with semester. Contemporary topics may include subjects such as analysis of physical resources, their inherent energy limitations and new sources of energy (such as solar, geothermal, etc.); development and adaptation of nuclear energy to electric power plants and armaments systems and the ensuing environmental and political problems. No previous science course required. Interested students should inquire at Physics and Astronomy Department office for further details. Selected topics for science majors may also be given upon request.

PHY 351 Intro to Computational Physics 3

Introduction to computational methods used in physics and engineering, including computational simulation of physical systems, numerical solution of mathematical problems, and familiarity with scientific programming tools.

Prerequisites: Grade of C or better in PHY 292 and grade of C or better in CSC 120, or permission of instructor.

Corequisites: PHY 321, or permission of instructor.

PHY 395 Computational Physics Laboratory II 1

Use of numerical methods and computational models to simulate and investigate the behavior of various physical systems, including ODE integration, PDE mesh relaxation, and/or Monte Carlo methods.

PHY 396 Individual Study 1-3

Individual study on a topic of personal interest, mentored by a willing faculty member. Appropriate for topics comparable to 300-level physics courses and requiring solid knowledge of introductory physics.

Prerequisites: Permission of instructor.

Notes: May be repeated for a total of 6 credit hours with permission of department.

PHY 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PHY 401 Physics Senior Seminar 1

Topics from current physics literature, and presentations by students, faculty and guest lecturers. Oral reports on research topics. Attendance at weekly seminars required.

Prerequisites: PHYS major. senior standing;

Notes: Required of all Physics majors. Grade: Pass/Not Pass (P/NP).

PHY 402 Conceptual Physics for Teachers 3

The basic laws of physics are introduced by extensive use of demonstrations. Concepts are emphasized and mathematical manipulation is minimal. Teaching materials and strategies are developed.

PHY 412 Electronics for Scientists 3

Electronic circuits useful for measurement, signal processing, and control. This course is especially designed to meet needs of experimental scientists.

Prerequisites: Grade of C or better in MAT 390, PHY 292, PHY 311, and PHY 351. or permission of instructor.

PHY 419 Advanced Laboratory 1-3

Methods and techniques of electronic connection between computer and other devices and programming methods to facilitate use of the computer as a laboratory instrument are introduced. Assembly language used primarily.

Prerequisites: Grade of C or better in PHY 311 and PHY 351, or permission of instructor.

PHY 420 Selected Topics in Physics 3

A topic of special interest is studied in depth.

PHY 421 Quantum Mechanics 3

Modern theories of matter are studied by applying quantum mechanics to atomic, molecular, nuclear, and solid state systems.

Prerequisites: Grade of C or better in PHY 321, PHY 325, and PHY 351.

PHY 423 Analytical Mechanics 3

Classical laws of particle motion are extended to the treatment of general motion of a rigid body, noninertial reference frames, generalized coordinates, normal coordinates, and to topics and techniques based on calculus of variations.

Prerequisites: Grade of C or better in PHY 323 and MAT 390.

PHY 431 Astrophysics 3

Stellar evolution through study of white dwarves and black holes; galaxy structure and cosmology. Observational project will use Three College Observatory. Intended as follow-up to introductory astronomy and physics.

Prerequisites: Grade of C or better in PHY 321, PHY 323, PHY 325, PHY 327, and PHY 351. or permission of instructor.

PHY 443 Biophysics 3

Introduction to cellular biophysics, with emphasis on the physical properties of membranes, including membrane transport mechanisms and electrical properties of membranes.

Prerequisites: BIO 355, CHE 111 and CHE 114; MAT 191; PHY 211 and PHY 212 (or PHY 291 and PHY 292); or permission of instructor;

Notes: Same as BIO 443.

PHY 453 Analytical Methods for Physics 3

Mathematical methods applied to diverse physics topics such as power series expansions, complex numbers, curvilinear coordinate systems, ordinary and partial differential equations, Lagrange multipliers, orthonormal basis expansions, and functional transformations.

Prerequisites: Grades of C or better in PHY 321, PHY 323, MAT 390, and MAT 394.

PHY 495 Research Experience in Physics 1-3

A significant research project directed by faculty member. Student must submit written proposal, develop approved written plan, and deliver formal report of results.

PHY 496 Individual Study 1-3

Individual study on a topic of personal interest, mentored by a willing faculty member. Appropriate for advanced or specialized topics requiring solid knowledge of core (300-level) physics.

Prerequisites: Permission of instructor.

Notes: May be repeated for a total of 6 credit hours with permission of department.

PHY 543 Biophysics 3

Introduction to cellular biophysics, with emphasis on the physical properties of membranes, including membrane transport mechanisms and electrical properties of membranes.

Prerequisites: BIO 355, CHE 114, MAT 191, and either PHY 211 with PHY 212 or PHY 291 with PHY 292. or permission of instructor;

Notes: Same as PHY 543.

PHY 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PHY 608 Modern Physics for Teachers 3

Recent developments in physics.

PHY 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Political Science (PSC)

PSC 101 Politics in a Digital World 3

Introduction to the analysis of politics (domestic and international) through the study of social media, databases, polls, blogs, and on-line news sources.

GE Core: GSB

PSC 105 Exploring Political Issues 3

Introduction to the main intellectual traditions of political science.

Discusses basic problems, political ideologies, and competing theories of politics.

GE Core: GPR

PSC 200 American Politics 3

Organization and behavior of the institutions, groups, and persons in American national government and politics. Introductory level course.

GE Core: GSB

PSC 210 Introduction to Public Policy 3

Problems of public policy and administration with emphasis on analysis of decision-making in governmental organizations.

GE Core: GSB

PSC 240 The International System 3

Introduction to international politics focusing upon major changes in the international system since 1945.

GE Core: GSB

GE Marker: GL

PSC 250 Model United Nations 1

Introduces students to the structure and processes of the United Nations and involves participation in a simulation of the UN at the Southern Regional Model UN.

Notes: May be repeated for credit.

PSC 260 Introduction to Comparative Politics 3

Basic concepts and methods of comparative political analysis.

Introduction to political institutions, processes, and problems of democratic, non-democratic, and transitional political systems.

GE Core: GSB

GE Marker: GL

PSC 270 Introduction to Political Theory 3

Examines the tradition of Western political thought beginning with Plato and ending with twentieth century philosophers. Topics include the nature and meaning of liberty, justice, and equality and the purpose of politics.

GE Core: GPR

PSC 280 Introduction to Law 3

Introduction to legal method and principles and the legal profession.

Students acquire knowledge of substantive areas of law and recognition of legal issues and resolution through the legal process.

PSC 290 The Politics of the Non-Western World 3

Introduces students to the problems facing countries in Asia, Africa, and Latin America. Introduces the social science literature concerning globalization, conflict and conflict resolution, political economy, and democratization.

GE Marker: GN

PSC 300 Special Topics 3

Study of an issue in political science.

Notes: May be repeated for credit when topic varies.

PSC 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PSC 301 Research Methods in Political Science 3

Basic principles of research in political science. Focus on testing of empirical propositions, with particular emphasis on survey research methods and on data analysis and interpretation. No statistical knowledge required.

Prerequisites: Majors only.

PSC 309 Entrepreneurship in the Public Sector 3

Introduction to principles and practices of entrepreneurship in the public sector through literature, case studies of initiatives, such as citizen innovation and cross-sectoral collaborations, online class discussions, and group projects.

Notes: Same as ENT 309.

PSC 310 Public Administration 3

Major concepts in administration of public bureaucracies, including comparative administration, organization theory, budgeting, public personnel, and decision-making.

PSC 311 The Nonprofit Sector and Governance 3

Development of nonprofit organizations and their contributions in the U.S. and internationally; their political, social, and economic roles; nonprofit governance; relationships to government; types of nonprofits; contemporary issues. Service-learning course.

PSC 312 Environmental Law and Policy 3

Study of federal and international environmental law and policy: topics include air and water pollution, hazardous and toxic substances, climate change, atmospheric pollutions, and related issues.

Notes: Same as ENV 312.

PSC 313 Natural Resources Law and Policy 3

Study of state, federal, and international natural resources law and policy: topics include acquisition and management of public lands, wildlife, biodiversity, resource conservation.

Notes: Same as ENV 313.

PSC 316 Judicial Process 3

Analysis of the American legal system, focusing on the behavior of actors in that system, theoretical foundations of the system, and policy-making role of the courts.

PSC 318 Constitutional Law 3

Case-method approach to the most important aspects of constitutional law regarding separation of powers, federalism, and economic regulation. Emphasis on importance of historical eras to the evolution of these cases, and current reassessment.

PSC 320 Civil Liberties 3

Case-method approach to issues involving civil liberties and civil rights. Examination of historical evolution of Supreme Court decisions and evaluation of the Court's reassessment of previous decisions.

PSC 322 American State Politics 3

Comparison of political behavior and institutions among the 50 American states.

PSC 323 Urban Politics 3

Examination of political behavior, processes, and institutions in city as a special focus for study of politics and government in United States. Discussion and readings directed to current development in American cities.

PSC 327 American Political Parties 3

Analysis of the role of political parties in the American political process, with emphasis on recent elections and campaigns.

PSC 328 North Carolina and Southern Politics 3

Examination of contemporary political and governmental developments in the American South. Particular attention to North Carolina politics and government.

PSC 329 American Interest Group Politics 3

Emphasis on interest groups' ideologies, tactics, and effect on public policy.

PSC 330 Internship in Campaigns and Elections 3

Analysis of electoral campaign strategies by party and candidate through actual participation in campaigns and by writing of case studies based on student campaign participation. Spring semester in even numbered years covers primary elections; fall semester concentrates on general elections. Either semester may be taken independently.

Prerequisites: PSC 200 or its equivalent and at least Junior standing.

Notes: PSC 327 or PSC 328 recommended.

PSC 332 Elections and Voting 3

Analysis of influences on voting behavior and of the relationship among voting behavior, elections, and the political process as a whole, with emphasis on contemporary U.S. presidential elections.

PSC 333 The U.S. Congress 3

Examination of the U.S. Congress, its evolution and contemporary standing. Attention given to internal organization—rules, committees, voting behavior—and relationship to constituencies, especially campaigns, elections, and home styles.

PSC 334 The American Presidency 3

Examination of the contemporary American presidency. Attention given to the multiple roles of the president, to the rise of the presidency in American government and politics, and to the implications of a powerful presidency for democratic government.

PSC 336 Women and the Law 3

Examination of interaction between women and the legal system. Role of women in legal professions and the impact of the legal system on women in American society.

PSC 337 Politics and the Media 3

Analysis of the interaction between the American media, and public and political institutions. Particular attention is given to how media interact with the three branches of government, particularly the executive.

PSC 341 International Law 3

Introduction and analysis of the fundamentals of international law and its role in the contemporary international system.

Prerequisites: PSC 240 or permission of instructor .

PSC 342 American Foreign Policy 3

Analysis of the decision-making process concerning formulation and execution of American foreign policy.

Prerequisites: PSC 240, its equivalent, or permission of instructor .

PSC 344 Politics of Globalization 3

Political impact of globalization at the international, national, and subnational levels. Attention given to its implications for the politics of international civil society, world affairs, and citizenship.

GE Marker: GL

PSC 347 International Security 3

Examines traditional security threats such as war, conflict, and instability as well as more recent security challenges including weapons proliferation, terrorism, and human security concerns.

Prerequisites: PSC 240 or permission of instructor .

PSC 348 International Organization 3

The role of international organizations in international affairs with a special emphasis on the United Nations, its special agencies, and regional organizations such as the European Union.

Prerequisites: Any international relations course or permission of instructor .

PSC 349 Human Rights and the Global Citizen 3

Explores the role of international and nongovernmental organizations, and other non-state actors in the development of international human rights. Analyzes advocacy networks' role in the protections of those rights.

GE Marker: GL

PSC 350 Democratic Political Systems 3

Comparative examination of political institutions and behavior in selected industrialized and non-industrialized countries.

PSC 352 Nationalism and Ethnic Politics 3

Explores competing explanations of nationalism and ethnic politics.

Course focuses on comparative analysis in a global context, and examines strategies that have been employed by governments to manage ethnic tension.

Prerequisites: PSC 260 or permission of instructor .

PSC 354 Post-Conflict Politics 3

Examines the post-conflict reconstruction and reconciliation process in war-torn societies. Among the topics covered are security sector reform, elections, institutional design, transitional justice, and economic stabilization efforts.

Prerequisites: PSC 240 or PSC 260 or PSC 290.

PSC 355D Selected Topics in Comparative Politics: Politics of Industrial Societies 3

See PSC 355.

PSC 355J Selected Topics in Comparative Politics: Middle East Politics 3

See PSC 355.

PSC 355K Selected Topics in Comparative Politics: Russian Politics 3

See PSC 355.

PSC 355M Selected Topics in Comparative Politics: Political Economy 3

See PSC 355.

PSC 355N Selected Topics in Comparative Politics: European Union 3

See PSC 355.

PSC 355P Selected Topics in Comparative Politics: Politics of Latin America 3

See PSC 355.

PSC 371 American Political Thought 3

Examines major works in American political thought by authors such as Madison, Jefferson, Lincoln, Thoreau, Emerson, King, Malcolm X, and Friedan. Special Emphasis on tracing the promise and problems of American life.

PSC 375 Democracy and Its Critics 3

What does it look like when the people rule themselves? This course explores classical and contemporary accounts of the meaning, value, and challenges of democracy to answer this question.

PSC 376 Critical Political Theory 3

This course introduces various modes of thinking critically about modern political and social life, focusing specifically on how power and resistance work in economic, moral, cultural, racial, and gender relations.

PSC 391 African Political Systems 3

Survey and analysis of the institutions and current problems of African states. Emphasis on Sub-Saharan Africa.

Prerequisites: PSC 240 or PSC 290 or permission of instructor .

PSC 392 The Politics of South Africa Through Film and Literature 3

This course uses film and literature as the vehicle to examine the issues associated with the remarkable evolution of South African politics from the institutionalized racism of apartheid through the transformation to majority rule.

PSC 399 Public Affairs Internship 1-3

Field learning experience in governmental agencies and private organizations involved in the political process. Academic supervision provided by faculty advisor and direction in field provided by job supervisor. Written report on a substantive topic related to the internship required.

Prerequisites: Permission of instructor.

Notes: May be repeated for a total of 9 s.h.

PSC 400 Selected Topics in Political Science 1-3

Opportunity for advanced students to study in depth a topic of special interest.

Prerequisites: Major in political science or permission of instructor.

Notes: May be repeated for credit when topics vary.

PSC 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PSC 401 Individual Study 1-3

Reading or research. Available to qualified students upon recommendation of an instructor.

Prerequisites: Departmental permission.

PSC 402 Individual Study 1-3

Reading or research. Available to qualified students upon recommendation of an instructor.

Prerequisites: Departmental permission.

PSC 403 Survey Methods for Policy Research 3

Theoretical and practical issues involved in designing and using sample surveys for political and policy research. Emphasis on survey methods used by the government and others in public sector.

PSC 410 Topics in Public Policy 3

Intensive analysis of a major area of public policy. Examination of sources of policymaking, the policymaking process, and the impact of policy. PSC 410A-Politics of Education; PSC 410B-Criminal Justice; PSC 410C-Labor Relations; PSC 410D-Foreign and Defense Policy; PSC 410E-Environmental Policy; PSC 410F-Urban Development Policy; PSC 410G-Health Strategies; PSC 410H-Global Challenges; PSC 410I-Press and Politics; PSC 410J-Politics of Industrial Policy; PSC 410K-Ethics in Public Policy.

Notes: May be repeated for credit when topic varies.

PSC 410E Topics in Public Policy: Environmental Policy 3

See PSC 510.

PSC 410F Topics in Public Policy: Urban Development Policy 3

See PSC 410.

PSC 410G Topics in Public Policy: Health Strategies 3

See PSC 510.

PSC 410H Topics in Public Policy: Global Challenges 3

See PSC 510.

PSC 410K Topics in Public Policy: Ethics in Public Policy 3

See PSC 410.

PSC 410P National Security Policy 1-3

Topics in Public Policy.

PSC 411 Topics in Public Affairs 1

Examination of a current topic in the management of public and nonprofit agencies. PSC 511A–Oral Communication Skills; PSC 511B–Marketing for Public and Nonprofit Agencies; PSC 511C–Information Technology and Management; PSC 511D–Strategic Planning; PSC 511E–Legislative Relations; PSC 511F–Financial Management; PSC 511G–Grant Writing; PSC 511J–Legal Issues in Public Administration; PSC 511K–Legal Issues in Local Government; PSC 511M–Media Relations; PSC 511N–Nonprofit Law; PSC 511P–Group Facilitation; PSC 511R–Diversity and Culture; PSC 511S–Social Entrepreneurship in Nonprofits; PSC 511V–Volunteer Management.

Prerequisites: for senior PSCI major: completion of PSC 310 (or PSC 311).

Notes: May be repeated when topics vary up to a limit of 6 s.h.. Graduate standing; or senior PSCI major; or permission of the Graduate Director.

PSC 411A Topics in Public Affairs: Oral Communication Skills 1

See PSC 411.

PSC 411B Topics in Public Affairs: Marketing for Public and Nonprofit Agencies 1

See PSC 411.

PSC 411C Topics in Public Affairs: Information Technology and Management 1

See PSC 511.

PSC 411D Topics in Public Affairs: Strategic Planning 1

See PSC 511.

PSC 411E Topics in Public Affairs: Legislative Relations 1

See PSC 411.

PSC 411G Topics in Public Affairs: Grant Writing 1

See PSC 411.

PSC 411J Topics in Public Affairs: Legal Issues in Public Administration 1

See PSC 511.

PSC 411K Topics in Public Affairs: Legal Issues in Local Government 1

See PSC 511.

PSC 411M Topics in Public Affairs: Media Relations 1

See PSC 411.

PSC 411N Topics in Public Affairs: Nonprofit Law 1

See PSC 511.

PSC 411O ExpCrS: Program Evaluation 1

Coverage of the types of evaluation approaches, including needs assessment, formative research, process evaluation, monitoring of outputs and outcomes, impact assessment, and cost analysis.

PSC 411P Topics in Public Affairs: Program Evaluation 1

See PSC 411.

PSC 411R Topics in Public Affairs: Diversity and Culture 1

See PSC 411.

PSC 411S Topics in Public Affairs: Social Entrepreneurship in Nonprofits 1

See PSC 411.

PSC 411V Topics in Public Affairs: Volunteer Management 1

See PSC 411.

PSC 412 Federalism and Intergovernmental Relations 3

Focuses on changing relationships of local-state-federal agencies, expanding role of regional cooperation, and recent developments in sub-national governments.

Prerequisites: Graduate standing or permission of instructor.

PSC 420 Urban Political System 3

Examination of major topics in the study of urban government and policy. Systems approach to provide an analytic framework for interrelating specific topics such as citizen participation, interest groups, parties, types of elections, forms of government, community power, and racial politics.

PSC 435 Citizen Participation in Policy-Making 3

Political participation and citizen involvement in governmental policy-making. Both citizen initiated and government sponsored efforts to increase popular input analyzed. Assessment of impact of citizen participation on policy-making in specific areas of policy and on performance of government in general.

PSC 440 Nonprofit Management and Leadership 3

Overview of major concepts and concerns of nonprofit organizations, including tax-exempt status, incorporation, nonprofit-government relations, board-director-staff relations, volunteers, services and program planning, implementation, resource development.

Prerequisites: Senior standing.

PSC 460 Special Topics in Public Administration 1-3

Students may repeat three-semester-hour courses when topics vary, but one-semester-hour courses when topics vary only for a maximum of three semester hours. Specific topic identified by extension to basic title, e.g., Special Topics in Public Administration: Public Financial Management; Financial Analysis Techniques; Grants and Contract Administration.

Prerequisites: Permission of instructor.

PSC 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

PSC 499 Legislative Internship 0**PSC 503 Survey Methods for Policy Research 3**

Theoretical and practical issues involved in designing and using sample surveys for political and policy research. Emphasis on survey methods used by the government and others in public sector.

PSC 510 Topics in Public Policy 3

Intensive analysis of a major area of public policy. Examination of sources of policymaking, the policymaking process, and the impact of policy. PSC 510A–Politics of Education; PSC 510B–Criminal Justice; PSC 510C–Labor Relations; PSC 510D–Foreign and Defense Policy; PSC 510E–Environmental Policy; PSC 510F–Urban Development Policy; PSC 510G–Health Strategies; PSC 510H–Global Challenges; PSC 510I–Press and Politics; PSC 510J–Politics of Industrial Policy; PSC 510K–Ethics in Public Policy.

Notes: May be repeated for credit when topic varies.

PSC 510E Topics in Public Policy: Environmental Policy 3

See PSC 510.

PSC 510F Topics in Public Policy: Urban Development Policy 3

See PSC 510.

PSC 510K Topics in Public Policy: Ethics in Public Policy 3

See PSC 510.

PSC 511 Topics in Public Affairs 1

Examination of a current topic in the management of public and nonprofit agencies. PSC 511A–Oral Communication Skills; PSC 511B–Marketing for Public and Nonprofit Agencies; PSC 511C–Information Technology and Management; PSC 511D–Strategic Planning; PSC 511E–Legislative Relations; PSC 511F–Financial Management; PSC 511G–Grant Writing; PSC 511J–Legal Issues in Public Administration; PSC 511K–Legal Issues in Local Government; PSC 511M–Media Relations; PSC 511N–Nonprofit Law; PSC 511P–Group Facilitation; PSC 511R–Diversity and Culture; PSC 511S–Social Entrepreneurship in Nonprofits; PSC 511V–Volunteer Management.

Prerequisites: for senior PSCI major: completion of PSC 310 (or PSC 311).

Notes: May be repeated when topics vary up to a limit of 6 s.h.. Graduate standing; or senior PSCI major; or permission of the Graduate Director.

PSC 511A Topics in Public Affairs: Oral Communication Skills 1

See PSC 511.

PSC 511B Topics in Public Affairs: Marketing for Public and Nonprofit Agencies 1

See PSC 511.

PSC 511D Topics in Public Affairs: Strategic Planning 1

See PSC 511.

PSC 511E Topics in Public Affairs: Legislative Relations 1

See PSC 511.

PSC 511G Topics in Public Affairs: Grant Writing 1

See PSC 511.

PSC 511J Topics in Public Affairs: Legal Issues in Public Administration 1

See PSC 511.

PSC 511N Topics in Public Affairs: Nonprofit Law 1

See PSC 511.

PSC 511P Topics in Public Affairs: Program Evaluation 1

See PSC 511.

PSC 511R Topics in Public Affairs: Diversity and Culture 1

See PSC 511.

PSC 511S Topics in Public Affairs: Social Entrepreneurship in Nonprofits 1

See PSC 511.

PSC 511V Topics in Public Affairs: Volunteer Management 1

See PSC 511.

PSC 520 Urban Political System 3

Examination of major topics in the study of urban government and policy. Systems approach to provide an analytic framework for interrelating specific topics such as citizen participation, interest groups, parties, types of elections, forms of government, community power, and racial politics.

PSC 540 Nonprofit Management and Leadership 3

Overview of major concepts and concerns of nonprofit organizations, including tax-exempt status, incorporation, nonprofit-government relations, board-director-staff relations, volunteers, services and program planning, implementation, resource development.

Prerequisites: Senior or graduate standing.

PSC 560 Special Topics in Public Administration 1-3

Students may repeat three-semester-hour courses when topics vary, but one-semester-hour courses when topics vary only for a maximum of three semester hours. Specific topic identified by extension to basic title, e.g., Special Topics in Public Administration: Public Financial Management; Financial Analysis Techniques; Grants and Contract Administration.

PSC 600 Public Administration and Management 3

Political environment, structure and process of public bureaucracies; organizational theory; professional ethics; and administrative functions including management, budgeting, and personnel.

Prerequisites: Admission to the MPA program or permission of instructor.

PSC 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PSC 601 Politics of Public Policy 3

Public policy process from agenda-setting to policy formation, legitimation, and implementation.

Prerequisites: Admission to the MPA program or permission of instructor.

PSC 602 Quantitative Analysis and Program Evaluation 3

Basic principles of research design, measurement, data analysis, and computer usage for research in politics and public policy.

Prerequisites: Admission to the MPA program or permission of instructor.

PSC 603 Budgeting and Fiscal Administration 3

Purposes of budgets. The political and economic environment that surrounds the budgetary process in government. Budget preparation, enactment, execution, and decision making at the federal, state, and local levels.

Prerequisites: Admission to the MPA program or permission of instructor.

Corequisites: PSC 603 and PSC 603L.

PSC 603L Budget Analysis Laboratory 1

Problems and exercises designed to assist students in understanding public budgeting. Emphasis on analyzing and communicating budget data.

Prerequisites: Admission to the MPA program or permission of instructor.

Corequisites: PSC 603 and PSC 603L.

PSC 604 Public Personnel Management 3

Employment practices as applied in the public sector; merit and merit systems, position management, equal employment opportunity and affirmative action, unionization, employee rights, and representative bureaucracy.

Prerequisites: PSC 600 or permission of instructor.

PSC 611 Program and Policy Evaluation 3

Structure of program evaluation; identification and measurement of program outcomes; use of experiments and quasi-experiments in evaluation; development of performance measures; analysis of program evaluation data.

Prerequisites: PSC 602 or permission of instructor.

PSC 612 Organizational Behavior and Leadership 3

Behavior of public and nonprofit organizations. Problems of leadership, group dynamics, conflict resolution, and organizational change.

Prerequisites: PSC 600 or permission of instructor.

PSC 613 Local Government Administration 3

Administrative process, management, personnel, budget and finance, and intergovernmental relations in local government.

Prerequisites: Graduate standing or permission of MPA program director.

PSC 615 Human Resource Development and Performance Management 3

Public and nonprofit employee performance evaluation and development: theories of motivation, workforce trends, training techniques and trends, career development, employee performance and evaluation techniques. Workshop format with group exercises.

PSC 620 Urban and Regional Development Policy 3

Adapted each year, according to the interests of the class, this course examines 21st century urban and regional development policy, focusing on innovations emerging at the intersection of economy, equity, and the environment in the US and elsewhere.

PSC 630 Community and Economic Development Theory and Practice 3

Critical analysis of community and economic development theory and practice and its historical and theoretical roots, methods, strategies, and tactics.

Prerequisites: Permission of MPA program director or graduate standing.

PSC 645 Nonprofit Financial Management and Budgeting 3

Nonprofit financial management and budgeting concepts, techniques and practices, including management control, budgeting, cost accounting, long-term financing, nonprofit accounting and financial reporting, financial analysis, cash management, and accountability and control.

Prerequisites: Graduate standing or permission of instructor.

PSC 650 Philanthropy and Resource Development 3

Major concepts, strategies, issues, and approaches to resource development and philanthropy in nonprofit and educational organizations.

Prerequisites: PSC 540 or permission of instructor.

PSC 695 Public Affairs Internship 3-6

A full-time work and learning experience in a public or nonprofit agency of approximately three months duration designed to provide the graduate student with practical experience in the ongoing operations of an agency of government or an organization engaged in public affairs activities.

Prerequisites: PSC 600, PSC 601, PSC 602, at least three other graduate level courses in political science, and permission of instructor.

PSC 696 Directed Field Research 3-6

Field research on selected problems and issues in public policy, including research design, data collection, data analysis, and interpretation of results. Open to advanced graduate students in the Master of Public Affairs program.

Prerequisites: PSC 600, PSC 601, PSC 602, three other graduate level courses, and permission of instructor.

PSC 697 Special Problems in Political Science 1-3

Independent study or research in political science. Prior consent of faculty member with whom student wishes to work.

PSC 698 Special Problems in Political Science 1-3

Independent study or research in political science. Prior consent of faculty member with whom student wishes to work.

PSC 699 Thesis 1-6**PSC 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PSC 801 Thesis Extension 1-3

Thesis Extension.

PSC 803 Research Extension 1-3

Psychology (PSY)

PSY 121 General Psychology 3

Survey of psychology. Includes psychology as science, nervous system, growth and development, sensory and perceptual processes, motivation, emotion, learning, social behavior, personality (normal and pathological), statistics, testing, intelligence, aptitudes, and achievement.

GE Core: GSB

PSY 122 Careers in Psychology 1

Provides a road map for how students can prepare for a career in psychology with a bachelor's degree, including how to prepare for graduate education, if desired.

Prerequisites: C- or better in PSY 121.

Notes: Grade: Pass/Not Pass (P/NP).

PSY 123 Early Research Careers in Psychology 1

This course is for students in the Early Scientist Program. It provides students with basic research skills and explores different approaches to the conduct of laboratory- and community-based psychological research.

Prerequisites: Grade of A- or better in PSY 121. Written permission required for enrollment in this course; see instructor or department for instructions;

Corequisites: PSY 122.

PSY 230 Biological Psychology 3

An introduction to the contributions of molecular, genetic, cellular, developmental, physiological, and evolutionary biology to the scientific understanding of psychological processes.

GE Core: GNS

LEC: GLS

Prerequisites: Grade of at least a C- in PSY 121 or BIO 111 or BIO 105 .

PSY 240 Principles of Learning 3

Survey of scientific theories and research on learning and motivation according to classic theorists and contemporary behavioral psychologists. Topics include reinforcement, punishment, stimulus control, and examples from the real world.

Prerequisites: Grade of at least a C- in PSY 121.

PSY 250 Developmental Psychology 3

Survey of scientific theories and research findings in human psychological development, including its biological, behavioral, cognitive, social, and emotional aspects.

GE Core: GSB

Prerequisites: Grade of at least a C- in PSY 121.

Notes: Students may not receive credit for both HDF 302 and PSY 250.

PSY 260 Psychological Perspectives on Social Psychology 3

Survey of scientific theories and research on the nature, causes, and consequences of individual behavior in social context. Topics include relationships, groups, attitudes, persuasion, aggression, altruism, and prejudice.

GE Core: GSB

Prerequisites: Grade of at least a C- in PSY 121 .

PSY 265 Theories of Personality 3

Major theories of personality including psychodynamic, humanistic, behavioral, cognitive, biological, and trait perspectives. Additional focus on methods of research and assessment that provide the theoretical foundation for studying individual differences.

Prerequisites: Grade of at least a C- in PSY 121.

PSY 275 Introduction to Clinical Psychology 3

Survey of main issues within clinical psychology. Includes nature and ethics of profession, research methodologies, clinical assessment, models of therapy including empirically validated treatments, and systems of care principles.

Prerequisites: Grade of at least a C- in PSY 121.

PSY 280 Cognitive Psychology 3

Survey of scientific theories and research in cognitive psychology. Topics include human learning, attention, memory, and problem solving.

Prerequisites: Grade of at least a C- in PSY 121.

PSY 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PSY 310 Statistics in Behavioral Science Research 3

Descriptive and inferential statistics, including estimating parameters and testing significance, as applied to psychological research. Taught at an introductory level. Requires knowledge of elementary algebra.

Prerequisites: Grades of at least C- in PSY 121 and in STA 108 (or MAT 115 or MAT 150).

Notes: Students may not receive credit for more than one of the following: PSY 310 and also STA 271 (or STA 352 or ECO 250).

PSY 311 Research Methods in Psychology 3

Introduction to the research methodologies of psychology and to analysis and interpretation of data. Experience with methods of data collection, basic statistical ways to display and analyze data, and writing reports.

Prerequisites: Grades of at least C- in PSY 310 and ENG 101, and a P in PSY 122.

PSY 311L Research Methods in Psychology: Lab 1

Laboratory to complement PSY 311, including developing research proposals, scientific writing in APA style, and communicating research ideas.

Corequisites: PSY 311, waived for anyone who previously earned a C- or better in PSY 311 (or its equivalent).

PSY 314 Industrial and Organizational Psychology 3

Introduction to industrial and organizational psychology with special emphasis on employee motivation, selection, training, and organizational determinants of employee behavior.

PSY 318 Belief in "Weird" Things 3

Psychological research on belief in extraordinary, "weird" phenomena, including, but not limited to, the paranormal, superstition, divination, projective tests of personality, alternative healing practices, and unconscious mind control and repression.

GE Core: GRD

Prerequisites: Grade of at least a C- in PSY 121.

PSY 319 Integrative Topics in Psychology 3

Examination of theories, methods, and research in a specialized area of psychology or in integrative topics across two or more areas of psychology. Check with department for offerings.

Prerequisites: Grade of C- or better in PSY 121.

Notes: May be repeated once for credit when topic varies.

PSY 341 Abnormal Psychology 3

A description of the various psychological disorders is presented along with the research methods used to study them. Each disorder is approached from a number of perspectives: biological, psychosocial (psychodynamic, interpersonal, behavioral, cognitive, and humanistic) and sociocultural.

GE Core: GSB

Prerequisites: Grade of at least a C- in PSY 121.

PSY 346 The Psychology of Gender 3

Evaluation of effects of biological sex and gender role socialization on personality and behavior through examination of empirical research.

Prerequisites: Minimum grade of C- (1.7) in PSY 121.

PSY 349 Human Rights and Global Citizen 3

Explores the role of international and nongovernmental organizations, and other non-state actors in the development of international human rights. Analyzes advocacy networks' role in the protection of those rights.

GE Marker: GL

PSY 365 Psychology of Art, Creativity, and Genius 3

Scientific research on psychological aspects of art, the creative process, and the nature of genius and expertise, with examples from fine art, music, literature, architecture, and industrial design.

PSY 370 Ethnicity, Development, and Psychopathology 3

Survey of research exploring the interplay between ethnicity and child development, including the intersection of ethnicity with socioeconomic status, immigration, and mental health.

Prerequisites: Grade of C- or better in PSY 121.

PSY 375 Psychology of Aging 3

Overview of psychological issues in aging. Students evaluate research findings in the psychology of aging and apply this knowledge to understanding personal development and the development of others.

Prerequisites: PSY 121 or permission of instructor.

PSY 380 Psychology and the Law 3

Psychological research on issues associated with legal proceedings, including but not limited to, jury selection and behavior, eyewitness memory and testimony, and standards of proof will be discussed.

GE Core: GPR

Prerequisites: Grade of at least a C- in PSY 121. Freshmen must have permission of instructor.

PSY 385 IQ and Intelligence 3

Psychological research on intelligence and intelligence testing, addressing questions about single versus multiple intelligences, genetic versus environmental influences, sex and race biases, development and aging, social and emotional intelligence, and learning disabilities.

Prerequisites: Grade of at least a C- in PSY 121.

PSY 390 Health Psychology and Culture 3

Focuses on understanding the relationship between health and illness by exploring biological, psychological, and social factors across select cultures.

GE Core: GSB

GE Marker: GL

Prerequisites: Grade of at least a C- in PSY 121.

PSY 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PSY 401 Academic Writing in Psychology 3

Advanced training in academic writing in psychology and related fields, with an emphasis on the goals of scholarly writing, scientific usage and style, and strategies for composing and revising.

Prerequisites: Minimum grade of B (3.0) in both PSY 310 and PSY 311.

PSY 410 Intermediate Psychological Statistics 3

Second course in psychological statistics recommended for students planning to attend graduate school. Includes basic probability, ANOVA, correlation and regression.

Prerequisites: minimum grade of C in PSY 310. PSYC major.

PSY 415 History and Systems of Psychology 3

Discussion of prescientific thinking on psychological problems, origin of systems of psychology, and ways systems are reflected in contemporary psychology.

Prerequisites: Graduate standing in UNCG Psychology programs, or permission of instructor.

PSY 419 Special Topics in Psychology 3

Intensive examination of current theories and research in a specific area of biopsychology, learning, development, cognition, social psychology or clinical psychology. Check with department for offerings.

Prerequisites: Graduate standing in UNCG Psychology programs, or permission of instructor.

Notes: May be repeated for credit when topics vary.

PSY 433 Research Experience in Psychology 1-3

Opportunity for students to participate in various phases of research projects being conducted by faculty members in the Department of Psychology.

Prerequisites: Nine (9) s.h. in Psychology, and permission of instructor.

Notes: May be repeated for credit.

PSY 435 Brain and Psychological Processes 3

Study of brain mechanisms for feeding, aggression, sexuality, cognition, consciousness, sleep, learning, memory, thinking, and communication. Examination of brain defects in abnormal behavior and responses to drugs and psychotherapy.

Prerequisites: Grade of at least C- in PSY 230.

Notes: Students cannot receive credit for both this course and PSY 435L.

PSY 438 Animal Behavior 3

Application of theory of evolution to the explanation of animal behavior. Surveys a variety of species, addressing several behavioral categories as well as issues in sociobiology and human evolution.

Prerequisites: Grade of at least C- in PSY 230.

Notes: Students cannot receive credit for both this course and PSY 438L or BIO 438 or BIO 439. Same as BIO 438.

PSY 444 Changing Behavior in Real World Settings 3

Principles and applications of behavior analysis in human service, educational, home, and medical settings. Recommended for psychology majors, and graduate and undergraduate students in related human service fields.

Prerequisites: Grade of at least C- in PSY 240.

PSY 455 Social and Personality Development 3

Examination of current theories and empirical research concerned with social, emotional, and personality development.

Prerequisites: Grade of at least C- in PSY 250 or HDF 302.

Notes: Students cannot receive credit for both this course and PSY 455L.

PSY 456 Cognitive Development 3

Examination of current theories and empirical research concerned with perceptual and cognitive development.

Prerequisites: Grade of at least C- in PSY 250 or HDF 302.

Notes: Students cannot receive credit for both this course and PSY 456L.

PSY 460 Interpersonal Behavior and Group Processes 3

In-depth analysis of interpersonal behavior and group processes. Topics include aggression, prosocial behavior, attraction, prejudice and discrimination, social comparison, close relationships, and groups.

Prerequisites: Grade of at least C- in PSY 260.

Notes: Students cannot receive credit for both this course and PSY 460L.

PSY 461 Attitudes and Social Influence 3

In-depth analysis of attitudes and social influence. Topics include attitude structure, formation and change, propaganda and persuasion; attitude-behavior consistency; conformity; compliance; and obedience.

Prerequisites: Grade of at least C- in PSY 260.

Notes: Students cannot receive credit for both this course and PSY 461L.

PSY 462 Social Cognition: Perceiving and Thinking in a Social Context 3

In-depth analysis of how we think about ourselves and others. Topics include impression formation, attribution, affect and cognition, social judgement, stereotyping and the self in social context.

Prerequisites: Grade of at least C- in PSY 260.

Notes: Students cannot receive credit for both this course and PSY 462L.

PSY 463 Psychological Perspectives on Personal Relationships 3

In-depth examination of current theories and empirical research focusing on psychological perspectives of personal relationships. Includes topics related to relationship forms and processes such as intimacy and power.

Prerequisites: Grade of at least C- in PSY 260.

Notes: Students cannot receive credit for both this course and PSY 463L.

PSY 470 Psychological Disorders of Children 3

Etiology, assessment, and treatment of various psychological disorders of children, e.g., conduct disorder, attention deficit/hyperactivity disorder, depression, anxiety.

Prerequisites: Grade of at least C- in PSY 275.

Notes: Students cannot receive credit for both this course and PSY 470L.

PSY 472 Field Experience in Applied Settings 3

Community field experience designed to illustrate practical applications of psychological principles and research. Class meetings and written work required in addition to field placement.

Prerequisites: Grade of C- or better in PSY 341 or PSY 470. junior standing; and permission of instructor;

Notes: Malpractice insurance fee required for certain placements. Be advised that internship sites will require a criminal background check and/or drug test, and reserve the right to reject applicants on the basis of the results.

PSY 481 Cognition and Consciousness 3

In-depth discussion of psychological processes of attention and memory and their relationship to consciousness. Analyses of theories, experimental techniques, and results.

Prerequisites: Grade of at least C- in PSY 280.

Notes: Students cannot receive credit for both this course and PSY 481L.

PSY 482 Human Memory 3

Memory is involved in many everyday activities and is essential for personal identity. This course is about theories and applications of research on human memory and learning.

Prerequisites: PSY 121 and PSY 280.

PSY 483 The Psychology of Thinking 3

Research and theory on human problem-solving and reasoning. Topics include classification, categorization, decision-making, rational thought, and a discussion of awareness in thinking.

Prerequisites: Grade of at least C- in PSY 280.

Notes: Students cannot receive credit for both this course and PSY 483L.

PSY 490 Directed Readings in Psychology 1-3

Reading and library research on a specialized topic in the primary scientific literature in psychology under the supervision of a faculty member.

Prerequisites: 18 s.h. in psychology, and permission of instructor.

Notes: May be repeated for credit.

PSY 493 Honors Independent Study 3

Opportunity for qualified students to complete directed study and/or research under faculty supervision. Work will lead to a written proposal for and enrollment in Senior Honors Project (see HSS 490).

PSY 495 Senior Honors Seminar 3

Provides students with advanced study and critical analysis of contemporary problems in psychology.

PSY 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PSY 601 Graduate Problems in Psychology 1-3

Work individually or in small groups in psychological problems of special interest. Work may represent either a survey of a given field or an intensive investigation of a particular problem.

Notes: For students with a strong background in psychology. students should consult instructor before registering; Grade: Satisfactory/Unsatisfactory (S/U).

PSY 602 Seminar in Systematic Issues 3

Contemporary state of knowledge with regard to the logic and language of psychology.

PSY 605 First Year Research Practicum 3

First-year psychology graduate students design and formally propose a directed research project.

Prerequisites: Permission of the instructor.

PSY 609 Statistical Methods in Psychology I 4

Summarizing and comparing distributions. Thorough review of statistical estimation and hypothesis testing for linear models, e.g., t-test, one-way ANOVA, multiple comparisons.

Prerequisites: Graduate standing in UNCG psychology programs, or permission of instructor.

PSY 610 Statistical Methods in Psychology II 4

Statistical estimation and hypothesis testing for linear models, e.g., ANOVA for crossed, nested, incomplete, and repeated measures designs, ANCOVA; multiple regression and correlation; general linear model.

Prerequisites: PSY 609, graduate standing in UNCG psychology programs, or permission of instructor.

PSY 615 History and Systems of Psychology 3

Discussion of prescientific thinking on psychological problems, origin of systems of psychology, and ways systems are reflected in contemporary psychology.

Prerequisites: Graduate standing in UNCG Psychology programs, or permission of instructor.

PSY 619 Special Topics in Psychology 3

Intensive examination of current theories and research in a specific area of biopsychology, learning, development, cognition, social psychology or clinical psychology. Check with department for offerings.

Prerequisites: Graduate standing in UNCG Psychology programs, or permission of instructor.

Notes: May be repeated for credit when topics vary.

PSY 624 Research Methods in Psychology 3

Broad-based philosophical and methodological perspectives on conducting and interpreting psychological research; considers basic, applied, and translational research, laboratory- and field-based research, and experimental, quasi-experimental, correlational, and longitudinal research designs.

Prerequisites: Pr. or Coreq.: PSY 609 and graduate standing in UNCG psychology programs or permission of instructor.

PSY 699 Thesis 1-6**PSY 703 Developmental Psychology 3**

Systematic survey of theories and content of developmental psychology. Developmental issues and research examined in areas including attention, memory, language, socialization, sex roles, and aggression.

Prerequisites: Graduate standing in UNCG psychology programs, or permission of instructor.

PSY 704 Advanced Social Psychology 3

Theoretical concepts, research methodologies, and empirical findings; aggression, attitude change, attribution, and exchange theory.

Prerequisites: Graduate standing in UNCG psychology programs, or permission of instructor.

PSY 705 Physiology of Sensory and Behavioral Processes 3

Neural substrates of motivation, emotion, sleep, motor acts and coordination, learning, language, complex processes, and psychopathology.

Prerequisites: Enrollment in or completion of PSY 705.

PSY 706 Cognitive Processes 3

Human intellectual functioning including pattern recognition, attention, memory, comprehension, reasoning, and problem solving.

Prerequisites: Graduate standing in UNCG psychology programs, or permission of instructor.

PSY 707 Psychological Disorders in Children 3

Empirical approach to etiology, assessment, and treatment of psychological problems of children, emphasis on development factors. Not intended for students without a strong background in abnormal psychology, child development, and developmental theory.

Prerequisites: Graduate standing in UNCG psychology programs, or permission of instructor.

PSY 708 Psychological Disorders in Adults 3

An empirical approach to the etiology, assessment, and treatment of psychological problems in adults.

Prerequisites: Graduate standing in UNCG psychology programs, or permission of instructor.

PSY 718 Matrix Algebra Useful for Statistics 1

Matrix manipulation and understanding the language of matrix algebra rather than formal mathematics.

Prerequisites: One basic graduate statistics course.

PSY 721 Teaching of Psychology 3

Introduction to pedagogical theories, research, styles, and strategies related to the college teaching of psychology. Considers the presentation of course material, learning assessment tools, test construction, and grading.

Prerequisites: Admission to the graduate program in psychology, or graduate standing in UNCG psychology programs, or permission of instructor.

PSY 723 Evidence-based Practice with Children and Adolescents 3

Psychotherapy concepts and research from interpersonal, behavioral, humanistic, and cognitive perspectives. Supervised introductory practicum experience in therapeutic methods.

Prerequisites: Pr. or Coreq.: PSY 707, PSY 708, and graduate standing in UNCG psychology programs. or permission of instructor.

PSY 724 Ethical Responsibilities of Clinical Psychologists 3

In-depth coverage of professional ethics as they pertain to the many different settings in which clinical psychologists often work, including clinical practice, research, teaching, consultation, and other professional activities.

Prerequisites: Admission to graduate program in clinical psychology, graduate standing in UNCG psychology programs, or permission of instructor.

PSY 725 Psychological Assessment in Adults 3

Construction, evaluation, and interpretation of objective and projective measures of personality as used with normal and clinical groups. Laboratory practice in personality assessment and in diagnosis.

Prerequisites: Pr. or Coreq.: PSY 724, malpractice insurance; and graduate standing in UNCG psychology programs; or permission of instructor.

PSY 727 Theory and Methods of Behavioral Assessment and Therapy 3

Evaluation of research and theory underlying behavioral assessment and behavior therapy. Supervised introductory experiences in the use of behavioral assessment and therapy techniques.

Prerequisites: PSY 724 and graduate standing in UNCG psychology programs or permission of instructor.

PSY 728 Theory and Methods of Intellectual Assessment 3

Research and theory underlying intellectual assessment. Supervised introductory experience in the use of standardized intelligence tests, including evaluation and communication of test results.

PSY 735C Contemporary Problems 3**PSY 735D Contemporary Problems 3****PSY 735I Contemporary Problems 3****PSY 735J Contemporary Problems 3****PSY 735S Contemporary Problems 3****PSY 741 Contemporary Practicum Topics 1**

Specific course title identified for each section (e.g. Contemporary Practicum Topics: Models of Supervision). Course is taken as 1 credit per semester and can be repeated up to 6 credits.

Prerequisites: PSY 707, PSY 708, and malpractice insurance.

Corequisites: PSY 742 pre-MA, PSY 762 post-MA.

PSY 742 Practicum in Clinical Intervention 1-6

Supervised application of psychological principles to the assessment and therapeutic change of individual or group behavior, generally with clients in the UNCG Psychology Clinic. Course is taken over four semesters with 1 credit in year 1; 4 credits in each semester of year 2.

Prerequisites: PSY 724, PSY 707, PSY 708, and malpractice insurance.

PSY 745 Multicultural Issues in Clinical Psychology 3

Examination of psychological research, theory, and clinical practice using a multicultural perspective so as to increase awareness, knowledge, and skills involved in the development of cultural competence.

Prerequisites: Admission to graduate program in clinical psychology, graduate standing in UNCG psychology programs, or permission of instructor.

PSY 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

PSY 751 Independent Doctoral Research 1-6

Individual work on psychological problems of special interest culminating in an intensive, critical review of literature in a given field or scientific investigation of problem.

Notes: Before registering, student should obtain the approval of graduate faculty member who agrees to monitor and evaluate the proposed research. Grade: Satisfactory/Unsatisfactory (S/U).

PSY 761 Preliminary Examination: Integration Across at Least Two Areas Within Psychology 3

Independent reading on a committee-approved topic. Thorough review and synthesis of major theory and findings in the field. Written and oral examination demonstrating competency across two areas in the field.

Prerequisites: Permission of instructor required to register.

PSY 762 Advanced Practicum in Clinical Psychology 1-12

Individual work on psychological problems of special interest culminating in an intensive, critical review of literature in a given field or scientific investigation of problem.

Notes: Before registering, student should obtain the approval of graduate faculty member who agrees to monitor and evaluate the proposed research. Grade: Satisfactory/Unsatisfactory (S/U).

PSY 763 Internship in Clinical Psychology 1-12

Application of psychological principles to the assessment and therapeutic change of individual or group behavior in an APA-accredited off-campus setting. Students are individually supervised by appropriate agency staff.

Prerequisites: PSY 642, PSY 762, malpractice insurance.

Notes: Must be repeated once for credit. Open only to clinical psychology graduate students; Grade: Satisfactory/Unsatisfactory (S/U).

PSY 799 Doctoral Dissertation Research 1-24**PSY 801 Thesis Extension 1-3**

Thesis Extension.

PSY 802 Dissertation Extension 1-3

Dissertation Extension.

PSY 803 Research Extension 1-3

Public Health (HEA)

HEA 113 Medical Terminology for Public Health Professionals 3

An examination of medical terminology with an emphasis on terms related to prevention, diagnosis, and treatment of acute and chronic health conditions.

HEA 201 Personal Health 3

Study of determinants of healthful and safe living for various age groups; emphasis on analyses and interpretations of research methods and findings within a social ecological conceptual framework.

GE Core: GSB

Notes: Fulfills teacher licensure requirements. Elective for all others.

HEA 202 Introduction to Peer Health Education 3

Study of health issues integrating methods of peer education, preparing students through experiential learning to serve the university community as peer educators. Four tracts: sexual health; alcohol and other drugs; wellness; diversity.

Prerequisites: Freshman or Sophomore standing.

HEA 203 Peer Health Education: Selected Topics 1

Continued study in one of four tracts of health topics: sexual health, alcohol and other drugs; wellness; diversity. Students utilize and demonstrate methods of peer health education.

Prerequisites: HEA 202.

Notes: May be repeated twice for a total of three (3) credits.

HEA 231 Athlete Health and Sport Performance 3

This course will address the prevention of acute and chronic effects of health issues on athlete health and sport performance within various socio-ecological systems that athletes operate within.

HEA 260 Human Sexuality 3

Study of psychosocial, biological, cultural, and developmental research aspects of human sexuality emphasizing methods of sexuality research, relationships, gender issues, intimacy, sexual response, reproduction, exploitation, and dysfunctions.

GE Core: GSB

HEA 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HEA 307 Global Health 3

Study of disease burden and health systems in high-, middle-, and low-income countries. Emphasis on challenges and public health and entrepreneurial approaches to improvements in resource-constrained and emerging nations.

GE Marker: GN

Notes: Same as ENT 307.

HEA 308 Introduction to Public Health 3

Introduction to public health terminology, history, core disciplines, professional roles and services. Overview of current public health challenges and impact of the public health efforts on population health.

Prerequisites: Public Health Education major or Health Studies minor.

HEA 310 Mental Health and Well-Being 3

Study of mental health issues and emotional well-being emphasizing mental disorders, stigma, and disparities in intervention approaches. Also covers social, emotional, and spiritual health and wellness.

HEA 312 Public Health and Healthcare Systems in the US 3

Study of how the public health system and the health care system interact to influence society's health. Differential impact on stakeholders, costs, insurance, health reform, health promotion through policy.

Prerequisites: HEA 308, HEA 315.

HEA 314 Public Health Diseases 3

Focus on biological concepts and biomedical terms associated with public health disease conditions. Emphasis on etiology, pathogenesis, diagnosis, treatment, risk factors, and their impact on prevention and control.

Prerequisites: BIO 111 or permission of instructor.

HEA 315 Epidemiology 3

Study of the distribution and determinants of disease occurrence with emphasis on application to health education. Prerequisite or

Corequisites: Public Health Education major or minor. MAT 115 or STA 108 or higher-level MAT or STA course; or permission of instructor.

HEA 316 Environmental Health 3

An analysis of the identification, assessment, and control of environmental health risks. Focus on the effects of specific toxicants and the prevention of their negative impact on health and well-being.

HEA 325 Public Health Data Analysis 3

Applied course to develop skills in finding, understanding and analyzing public health data that is essential for needs assessment, program planning, and evaluation. Prerequisite or

Corequisites: MAT 115 or STA 108 or higher level MAT or STA course, or permission of instructor.

HEA 331 Alcohol, Tobacco, and Other Drugs 3

Analysis of the epidemiological, physiological, psychosocial, and public health considerations of alcohol, tobacco, and other drug use. Emphasis on public health education theory and approaches to prevention, intervention, and treatment.

HEA 334 Community Health 3

Overview of complex social, health, and medical problems of modern society, with special emphasis on community programs for solving them. Study of programs of official and voluntary health agencies designed to promote and protect the health of citizens, observed through field trips, discussed by guest lecturers, and studied through other forms of enrichment.

Prerequisites: Sophomore standing.

HEA 338 Safety and First Aid 3

Study of factors essential to safety in home, school, and community, with emphasis on First Aid and emergency care knowledge and skills. Cardiopulmonary Resuscitation (CPR) included.

Notes: Students may not take both HEA 236 and HEA 338 for credit.

HEA 339 Introduction to Public Health Education Practice 3

Meetings with health educators and field trips to introduce students to the application of health education principles. Course is the first in a sequence of four experiential courses.

Prerequisites: Public Health Education major with a concentration in Community Health Education. or permission of instructor.

HEA 340 Community Observation and Assessment 3

Process for working within a community or population to assess its health needs and assets. Focus on cultural competence, knowledge of community agencies and gatekeepers, and community data collection methods.

Prerequisites: HEA 308. HEA 314; HEA 315; HEA 339; admission to the PHTH major, Community Health Education concentration; or permission of instructor; Pr. or Coreq.: HEA 325.

HEA 341 Health Pedagogy for Elementary School Teachers 1.5

Introduction to the design and implementation of learning tasks that demonstrate the importance of proper nutrition, promotion of healthy relationships, consequences of substance abuse, and prevention of accidents and injuries.

Prerequisites: Acceptance into Teacher Education Program.

HEA 350 Race, Ethnicity, and Health 3

This course considers the implications of both race and ethnicity for understanding health determinants, as well as policy and programming for addressing population level health concerns.

HEA 366 Community Health Interventions I 3

Theory and practice in planning and using health education strategies for individuals and small groups.

Prerequisites: HEA 308, HEA 314, HEA 315, HEA 339. admission to a professional program for community health education concentration; or permission of instructor; Pr. or Coreq.: HEA 325.

HEA 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HEA 405 Program Planning and Evaluation 3

Methods used by health educators to respond to health problems and opportunities. Emphasis on comprehensive program planning that includes assessment, community involvement, intervention selection and development, implementation, and evaluation.

Prerequisites: HEA 340 and HEA 366. admission to professional program for community health education concentration; or permission of instructor;

Corequisites: HEA 466.

HEA 412 Community Health Organizations 3

Study of the structure and operation of community health organizations.

Prerequisites: HEA 308, HEA 314, HEA 315, HEA 316, and HEA 325. or permission of instructor.

HEA 426 Internship Planning 3

Professional preparation, planning, and placement practicum for the 400-hour supervised internship experience (HEA 428). Should be taken one semester prior to HEA 428.

Prerequisites: HEA 339, HEA 340, HEA 366. admission to professional program.

HEA 428 Health Education Internship (Fieldwork IV and Seminar) 12

Experience in using public health education techniques and practices in a community organization/agency. Emphasis on functioning as a professional health educator under supervision.

Prerequisites: HEA 340, HEA 366, and HEA 466. PHTH major with Community Health education concentration or permission of instructor; overall 2.50 GPA; grade of C or better in all required HEA courses; must have current certification in Community First Aid and Safety and CPR;

Notes: Minimum 320 contact hours. Grade: Pass/Not Pass (P/NP).

HEA 433 Gender and Health 3

This course considers the implications of both gender and biological sex for understanding health determinants as well as policy and programming for addressing population level health concerns.

HEA 435 Introduction to Health Coaching 3

Using socio-behavioral theory and communication techniques to understand health behaviors, the context in which they occur, and how to help people reach their optimal health through self-management and lifestyle changes.

HEA 447 Income, Social Status, and Health 3

This course considers the population health implications of income and social status as structural determinants of health. Policy and program interventions will be explored as practical solutions.

HEA 450 Current Health Problems 3

Examination of selected health problems and/or populations that are of current pertinence. Populations and/or problems will be explored within the context of their impact on society.

HEA 466 Community Health Interventions II 3

Theory and practice in selecting, developing and implementing community-level interventions to improve the health of individuals and communities.

Prerequisites: HEA 308, HEA 314, HEA 325, HEA 339, HEA 340, HEA 366. admission to the professional program for community health education concentration; or permission of instructor.

HEA 470 Adolescent Health 3

Survey of adolescent health problems and needs. Focus on epidemiological trends, behavioral and social etiologic factors, and public health interventions to reduce specific adolescent health problems.

Prerequisites: Junior or senior standing.

HEA 471 Immigrant and Refugee Health 3

Overview of issues affecting health promotion among immigrant and refugee populations. Focus on migration, dislocation, resettlement, adjustment, historical, epidemiological, behaviors, cultural, socioeconomic, and political factors, and interventions to address needs.

Prerequisites: Junior or senior standing.

HEA 475 Independent Study 1-3

Intensive work in an area of special interest in health education. Available to qualified students on recommendation of academic advisor and instructor.

Prerequisites: Demonstrated competency for independent work and permission of academic advisor and instructor.

Notes: May be repeated once for credit.

HEA 490 Capstone Experience 6

Capstone experience designed to apply knowledge and skills from core areas of public health using a problem-based approach to address public health challenges.

Prerequisites: HEA 308, HEA 314, HEA 315, HEA 316, HEA 325, HEA 350, HEA 433, HEA 447. PHTH major: Health Studies Online concentration.

HEA 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HEA 601 Foundations of Public Health 3

Examination of public health and health education, principles underlying health education practice, and the roles and responsibilities of a community health educator.

Prerequisites: Admission to the M.P.H. program or permission of instructor.

HEA 602 Epidemiology Methods 3

Overview of basic epidemiologic concepts and methods used to understand the distribution of health and disease in populations. Focus is on application to community health education.

Prerequisites: HEA 601, HEA 604.

HEA 603 Community Health Analysis 3

Assessment of community structure, residents, organizations and associations, to determine health-related capacities, needs, and interests. Emphasizes the use of both primary and secondary data sources for community analysis.

Prerequisites: Admission to the MPH program or permission of instructor.

HEA 604 Quantitative Methods 3

Introduction to statistical concepts and descriptive and inferential statistics. Applied course with a focus on accessing public data sets, interpreting published results, using statistical software, and disseminating health information.

Prerequisites: Admission to the M.P.H. program or permission of instructor.

HEA 607 Determinants of Health 3

Examines how biology, behavior, psychology, culture, and the environment affect population-level health with an emphasis on social, political, economic contexts and structural/institutional bias, racism, and discrimination.

Prerequisites: Admission to the MPH program or permission of the instructor.

HEA 608 Environmental Health 3

Analysis of local, national, and international environmental issues influencing the health of individuals and communities; air and water quality, waste management, disease control, occupational settings, population, and environmental planning.

HEA 609 Community Health Interventions 3

Overview of theories, successful intervention strategies, and methods of implementation across the social ecology and their application to the development of health education programs.

Prerequisites: HEA 601, HEA 603, HEA 604, HEA 608. Pr. or Coreq.: HEA 602.

HEA 612 Management of Community Health Organizations 3

Analysis and skill development in management of community health organizations, including self-reflection, planning, staffing, marketing, building and managing agency and community teams. Literature reviews, community interviews, case study and experiential analysis.

Prerequisites: Admission to a graduate degree program or permission of instructor.

HEA 614 Assessment and Program Planning II 3

Provides development of essential skills in community health assessment and program planning. Emphasis is on the application of skills in different settings and across social ecological levels.

Prerequisites: HEA 618 and HEA 619. Admission to the MPH program or permission of the instructor.

HEA 615 Systems, Leadership, and Policy II 3

Application of the policy-making processes and issues at the organizational level. Focus on using systems thinking tools in leadership and management as well as in policy analysis.

Prerequisites: HEA 618 and HEA 619. Admission to the MPH program or permission of the instructor.

HEA 616 Workplace Health Promotion 3

Public and private worksite health promotion programs. Skills and knowledge to oversee the planning, implementation, and evaluation of these programs. Links to employee benefits and successful programs to be critically examined.

Prerequisites: Admission to a graduate degree program or permission of instructor.

HEA 618 Assessment and Program Planning I 3

Introduction to methods of community health assessment and program planning. Application of methods through case studies and direct experience.

Prerequisites: HEA 601 and HEA 621. Admission to the MPH program or permission of the instructor.

HEA 619 Systems, Leadership, and Policy I 3

Provides an overview of health policy issues and analyses using systems thinking tools. Introduces leadership and advocacy skills for engaging communities in health policy change.

Prerequisites: HEA 601 and HEA 607. Admission to the MPH program or permission of the instructor.

HEA 621 Public Health Theories and Strategies 3

Foundations in public health theories and theoretical thinking; major interventions and strategies in community health education; linking theories, health issues, and strategies.

Prerequisites: Admission to the MPH program or permission of the instructor.

HEA 622 Social Epidemiology 3

Content, methods, and theory of social epidemiology.

Prerequisites: Pr. or Coreq: HEA 602, HEA 604.

HEA 625 Evaluation Methods 3

Standards of and methods in the evaluation of community health education programs and policies. Focus on connecting tools and techniques of evaluation to assessment, program planning, and community engagement.

Prerequisites: HEA 603, HEA 604.

HEA 630 Foundations of Health Coaching 3

Theories, vocabulary, philosophies, tools, and core skills essential to becoming a certified health coach. Emphasis on supporting client's behavior change through a coaching spirit, change framework, and effective communication strategies.

Prerequisites: Admission to the MPH or PhD program in Community Health Education or permission of the instructor.

HEA 640 Global Health Issues 3

Examine global health issues with an analysis of the determinants of health status in selected world regions and analyze global prevention efforts. Study of international organizations; roles and programs.

HEA 645 Health Policy 3

Health policy process in the US; examination of historical and current health policy issues, and survey of methods for analyzing health policy options.

Prerequisites: Admission to a graduate degree program or permission of instructor.

HEA 648 Applied Program Planning 3

Methods and models of planning health education programs for various settings.

Prerequisites: GPA of 3.0 or better, HEA 609 and HEA 645, or permission of instructor.

HEA 650 Community Health Internship/Practicum 6

Supervised experience in the observation, delivery, and evaluation of health education services in community settings.

Prerequisites: GPA of 3.0 or better and HEA 648, or permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

HEA 662 Gender and Health 3

Health issues and health problems with respect to gender differences, similarities and historical conceptions.

Prerequisites: Admission to a graduate degree program or permission of instructor.

HEA 665 Violence and Public Health 3

The origins and epidemiology of violence, factors influencing our social response to violence and role of public health professionals in a community response. Literature and field-based analysis.

Prerequisites: Admission to a graduate degree program or permission of instructor.

HEA 676 Problems Seminar 3

Specific course title identified each semester by a subscript, e.g., Problems Seminar: Professional Literature in Health Education.

Prerequisites: Previous course work in appropriate content areas or permission of instructor.

Notes: May be repeated for credit.

HEA 695 Independent Study 1-3

Intensive study in an area of special interest in health education.

Prerequisites: Demonstrated competency for independent work and permission of departmental academic advisor and the instructor.

Notes: May be repeated for credit.

HEA 702 Professional Grant Writing for Community Organizations 3

Theoretical and applied avenues to learning Professional Grant Writing for Health and Human Service Organizations in the Community.

Prerequisites: Enrolled graduate students in the School of HHS, or permission of instructor.

Notes: Same as HHS 702.

HEA 705 Qualitative Methods in Public Health 3

Qualitative methodology from question formation to dissemination of findings in public health research and evaluation. Includes design, sampling, data collection and analysis.

HEA 725 Advanced Community Health Projects 1-6

Scholarly inquiry project developed by the student with faculty guidance.

Prerequisites: Permission of instructor.

Notes: May be repeated for a maximum of 6 credit hours. Grade: Satisfactory/Unsatisfactory (S/U).

HEA 735 Topics in Community Health Research 3

Specific course title identified each semester offered by subtitle (e.g., Organizational Behavior, Women and Girls Health, Applied Research in Communities). May be repeated for credit when topic varies.

Prerequisites: Permission of instructor.

HEA 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

HEA 751 Foundations of Research for Public Health Education 3

Central issues in the philosophy of social and behavioral science with application to public health. Assumptions, models, and methodologies necessary to pursue research in community health education.

Prerequisites: Admission to PhD program or permission of instructor.

HEA 752 Quantitative Methods in Public Health 3

Research methods and ecologic, experimental, and observational research designs in community health education. Topics include advanced study designs, reliability, validity, generalizability, bias, sampling, and power.

Prerequisites: HEA 751.

HEA 758 Advanced Theoretical Basis for Community Health Education 3

Examination of theories used by health educators to conduct research in organizational, community, or individual change and improvement in health and quality of life.

Prerequisites: HEA 609, HEA 751, HEA 752, or permission of instructor.

HEA 765 Advanced Program Evaluation in Public Health Education 3

Advanced education in program evaluation, evaluation designs, and their application to complex public health interventions. Emphasis on evaluation practices relevant for Community-Based Participatory Research programs in public health education.

Prerequisites: Pr. or Coreq.: HEA 602, HEA 604, HEA 622, HEA 751, HEA 752, HEA 753.

HEA 799 Doctoral Dissertation Research 1-15**HEA 803 Research Extension 1-3**

Research Extension.

Religious Studies (REL)

REL 101 Introduction to Religious Studies 3

Inquiry into religion through consideration of forms, patterns, categories, symbols, and practices which characterize various religious experiences.

GE Core: GPR

GE Marker: GL

REL 104 Religion, Ritual, and the Arts 3

A study of how myths and stories are used in ritual and the arts. The specific traditions treated will vary.

GE Core: GPR

REL 109 Religion and Contemporary Culture 3

Understandings of religion as shaped by contemporary social institutions, the arts, politics, and philosophy.

GE Core: GPR

REL 111 Introduction to Asian Religion 3

Comparative study of Asian religions and their contributions to modern religious self-understanding, focusing critically and evaluatively on such patterns of expression as myth, ritual, and social forms.

GE Core: GPR

REL 190 Introduction to Scriptural Language 1-3

Introduction to the language of a major scriptural tradition, such as Hebrew, Chinese, Tibetan, or Sanskrit. Emphasis on writing system, grammar, and vocabulary.

Notes: May be repeated when topic changes.

REL 201 The Bible in Western Culture 3

Study of significant themes and issues in the Bible and their expression in the religious literature and history of Europe and America.

GE Core: GPR

GE Marker: GL

REL 202 Hebrew Bible 3

Study of the Hebrew scriptures (the Old Testament) in historical, sociological, and literary context.

GE Core: GHP

LEC: GPM

REL 204 New Testament and the Origins of Christianity 3

Study of the New Testament texts in their historical, sociological, and literary contexts.

GE Core: GHP

LEC: GPM

REL 207 Modern Problems of Belief 3

Exploration of ways in which God has been understood in the context of the eclipse of religion in Western culture from the Enlightenment to the present.

GE Core: GPR

REL 209 Elements of Christian Thought 3

Investigates the coherence of Christian accounts of such topics as incarnation, trinity, creation, evil, sacraments, the body, and salvation.

GE Core: GPR

GE Marker: GL

REL 210 Christianity to the Reformation 3

Study of classic Christian texts, symbols, rituals, and social movements to the dawn of the Reformation.

GE Core: GHP

GE Marker: GL

LEC: GPM

REL 212 Christianity from the Reformation to the Present 3

Examination of a range of themes in the history of Christian thought from the sixteenth century to present, through reading of a variety of texts representative of Christian traditions.

GE Core: GHP

GE Marker: GL

LEC: GMO

REL 215 Judaism 3

Introductory study of Judaism, its history, texts, life, and thought.

GE Core: GHP

GE Marker: GL

LEC: GPM

REL 217 The Synagogue 3

The synagogue has been and remains the center of Jewish life. This course will explore the nomenclature, history, architecture, art, and literature of the synagogue in ancient, medieval, and modern times.

LEC: GPM

REL 221 Buddhism 3

Introduction to the origin, development, and impact of Buddhism in Asian cultures. Focus on religious doctrines, forms of community, religious practices, techniques, art and iconography, and the implications of the Buddhist perspective for the contemporary world in both Asia and the West.

GE Core: GPR

GE Marker: GN

REL 223 Hinduism 3

Introduction to the Hindu religious tradition, its myths, rituals, music, social structure, and philosophical thought.

GE Core: GPR

GE Marker: GN

REL 225 Islam 3

Introduction to origins of Islam and its development as a world religion focusing on doctrine, ritual practices, and community structures.

GE Core: GPR

GE Marker: GN

REL 226 Approaches to the Qur'an 3

Study of significant themes and stories of the Qur'an, with an emphasis on diversity of interpretations.

GE Core: GPR

GE Marker: GN

REL 229 Introduction to African American Religions 3

Examination of the diverse beliefs and practices of African American religious traditions and their development in the Americas.

GE Core: GHP

LEC: GMO

REL 231 Religion in America 3

Diverse religious traditions and thinkers that have played a significant role in the history of the United States from Native American beginnings to the present.

GE Core: GHP

LEC: GMO

REL 240 Modern Judaism 3

A survey of modern Jewish thinkers from Spinoza to Rozenzweig.

GE Core: GHP

GE Marker: GL

LEC: GMO

REL 248 Comparative Religious Ethics 3

Comparative study of the ethical teachings of two or more Western and non-Western religious traditions focusing on the diversity within and among traditions and their effects on modes of life.

GE Core: GPR

REL 250 Religious Traditions and Care of the Earth 3

Examination of the thought, ethics, and practice of major religious traditions and worldviews with regards to the care of the earth. Emphasis on non-Western, indigenous, and ecofeminist traditions.

GE Marker: GN

REL 251 Topics in Religious Social Ethics 3

Inquiry into the social teachings of diverse religious traditions with respect to such current topics as economic development and social justice, human rights, democracy, freedom, human well-being and the environment.

Notes: May be repeated for credit when topic varies.

REL 254 Religion in Traditional Societies 3

Study of religion in traditional societies in which the basic question "What is it to be human?" is raised by entering into the diverse symbolic worlds of native Americans, Africans, or others.

GE Marker: GN

REL 259 Philosophy of Religion 3

Arguments concerning God's existence, the problem of evil, God's foreknowledge and human freedom, the analysis of divine attributes, immortality and the soul.

REL 298 Thinking About Religion 3

Critical reflection on the academic study of religion. Evaluation of theories of religion drawn from the social sciences, humanities, and religious traditions themselves through their application to case studies.

REL 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

REL 301 Early Christianity 3

Development of various kinds of Christian beliefs and practices from the second to seventh centuries. Focus on primary sources.

REL 303 Christianity in Byzantium 3

Explores the formation of Orthodox Christianity from the sixth to the twelfth century. Topics include liturgy, icons, church architecture and decoration, saints' cults, monasticism, and lay practice.

REL 310 Christianity and the Construction of Gender 3

Study of the role of categories of male and female in the creation and maintenance of Christian notions of holiness, authority, and hierarchy in historical perspective.

Notes: Same as WGS 310.

REL 311 Topics in Biblical Studies 3

Examination of specific biblical texts, themes, or interpretations in the context of Jewish and Christian religious traditions or in terms of significant literary or historical issues.

Notes: May be repeated for credit when topics vary, with permission of instructor.

REL 312 Judaism and the Construction of Gender 3

Jewish understandings of gender from ancient to modern times, with focus on law and tradition, roles in the Jewish community, family, sexuality, and Jewish theology.

Notes: Same as WGS 312.

REL 313 Topics in Ancient Judaism 3

Diversity of Judaism in the ancient world; study of major themes, texts, and movements in ancient Judaism; focus on primary texts, material culture, and scholarly approaches.

Notes: May be repeated for credit when topics vary, with permission of instructor.

REL 323 Religious Movements and Communities: Selected Topics 3

Selected topics will bring to bear historical, analytical, theological, and ethical tools to understand religious movements. Faculty and topics will vary.

Notes: May be repeated when topic varies.

REL 324 Philosophical Issues in Religion 3

Modes of philosophical reflection, groups of human conceptuality and their relation to the truth of religious claims.

Notes: May be repeated for credit when topic varies.

REL 332 Contemporary African American Religious Thought 3

Explores the variety of contemporary African American religious thought: Buddhist, Christian, Islamic, Judaic, and New World Yoruba. The relation between religious racial identities is a primary focus.

REL 333 Religion and Psychology 3

Presents classic Western and/or Asian psychological theories of religion and shows how various religious traditions understand the human psyche.

REL 340 Modern Jewish Thinkers 3

Analysis and evaluation of major works by a Jewish thinker, e.g., Martin Buber, or works exemplifying a particular intellectual movement, e.g., Jewish existentialism. Topics will vary.

Notes: May be repeated for credit when topic varies.

REL 341 Topics in Jewish Thought 3

Explores specific topics in Jewish thought. Topics vary and may include studies in mysticism, philosophy, literature, or culture.

Notes: May be repeated for credit when topic varies.

REL 368 Religion in South Asia: Selected Topics 3

Selected aspects of religion in South Asia. Possible topics include ritual, myth, festivals, and pilgrimage in Jainism, Islam, Hinduism, Buddhism, or other religions of the Indian subcontinent.

Notes: May be repeated for credit when topic varies.

REL 370 Religions of Iran: Selected Topics 3

Explores selected aspects of Iranian religions. Possible topics include Zoroastrianism, Sufism, Twelver Shi'ism, and the Babi and Baha'i faiths.

Notes: May be repeated up to three times as the topic varies.

REL 382 Topics in Christian Thought 3

Examination of an issue in Christian thought or history.

Notes: May be repeated for credit when topic varies.

REL 400 Topics in Religious Studies 3

Study of role, nature, and function of selected social forms of religious life through cross-cultural comparison or intensive study of one religious tradition.

Notes: May be repeated once for credit.

REL 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

REL 401 Tutorial 1-3

Directed program of reading, research, and private instruction.

Prerequisites: Permission of instructor.

REL 402 Tutorial 1-3

Directed program of reading, research, and private instruction.

Prerequisites: Permission of instructor.

REL 403 Tutorial 1-3

Directed program of reading, research, and private instruction.

Prerequisites: Permission of instructor.

REL 404 Tutorial 1-3

Directed program of reading, research, and private instruction.

Prerequisites: Permission of instructor.

REL 410 Senior Seminar 1-3

Colloquium on a unifying theme or major recent work in Religious Studies. Topic will vary with instructor.

Prerequisites: REL 298.

Notes: May be repeated for up to 9 hours of credit when topic varies.

Required of all seniors.

REL 420 Internship in Religious Studies 3

Practical experience in a variety of professional settings. Includes 10 hours per week at internship site, plus regular meetings with a faculty advisor.

REL 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

REL 503 Topics in Religious Studies 3

Study of role, nature, and function of selected social forms of religious life through cross-cultural comparison or intensive study of one religious tradition.

Notes: May be repeated once for credit.

REL 695 Independent Study 1-3

Directed program of reading, research, and individual instruction.

Prerequisites: Permission of department head and instructor.

Residential College (RCO)

RCO 101 College Writing I 3

A course in academic writing, focusing on analysis, argument, and critical reflection using the tenets of rhetoric. Instruction in drafting, revising, and compilation of a final portfolio.

GE Core: GRD

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: Equivalent credit to ENG 101 and/or FMS 115. students may receive credit for only one of RCO 101 or ENG 101 or FMS 115.

RCO 102 College Writing II 3

A course in research-based writing, focused on analysis, argument, and critical reflection using the tenets of rhetoric. Instruction in research methodologies as relevant to college writing projects.

GE Core: GRD

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: Equivalent credit to ENG 102 and/or FMS 116. students may receive credit for only one of RCO 102 or ENG 102 or FMS 116.

RCO 112 Contemporary Topics in Mathematics 3

Practical mathematical topics including set theory, properties and operations of number systems, algebra, geometry and consumer mathematics. Additional topics may be selected from logic, systems of numeration, and mathematical systems.

GE Core: GMT

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: Students may not receive credit for both MAT 112 and RCO 112.

RCO 114 Elementary Introduction to Probability and Statistics 3

Survey of statistics intended for undergraduates in any discipline. Graphical displays, numerical measures, relationships between variables, elements of good data collection. Basic probability, introduction to inferential techniques including confidence intervals and significance testing. Emphasis on statistical literacy.

GE Core: GMT

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: Students may not earn credit for both RCO 114 and STA 108. may not be taken for credit by students who have received credit for ECO 250 or ECO 350 or who are concurrently enrolled in ECO 250.

RCO 115 College Algebra 3

Practical mathematical topics including Algebraic expressions, exponents, radicals, factoring, solving equations and inequalities, graphing, polynomial and rational functions.

GE Core: GMT

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: Students may not receive credit for both MAT 115 and RCO 115.

RCO 122 Beginning Spanish I 3

Introduction to Spanish with practice in listening, speaking, writing, and reading. Students may not receive credit for both RCO 122 and SPA 101.

GE Marker: GL

RCO 133 Residential College Service-Learning Seminar 3

Focus on community service in readings and field experience. Topics vary relevant to the instructor's area of expertise.

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated for credit when topic varies.

RCO 155 Residential College Seminar in the Art of Discourse 3

An introduction to discourse in global professional, social, digital, and academic contexts, with an emphasis on oral communication and professional written and digital documents.

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated for credit when topic varies.

RCO 202 Residential College Seminar in Historical Perspectives: Modern 3

Historical study of human culture from the 17th century to the present.

GE Core: GHP

LEC: GMO

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated once for credit when topic varies.

RCO 203 Residential College Seminar in Philosophical/Religious/Ethical Principles 3

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

GE Core: GPR

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 204 Residential College Seminar in Literature and Rhetoric 3

Study of works of literature and the social and historical contexts from which they come.

GE Core: GLT

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 205 Residential College Seminar in Social and Behavioral Studies 3

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

GE Core: GSB

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 206 Residential College Studies in the Arts 3

Lecture and/or seminar in the arts.

GE Core: GFA

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

RCO 211 Residential College Seminar in Historical Perspectives: Premodern 3

Historical study of human culture from ancient times to the 17th century.

GE Core: GHP

GE Marker: GN

LEC: GPM

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 212 Residential College Seminar in Historical Perspectives: Modern 3

Historical study of human culture from the 17th century to the present.

GE Core: GHP

GE Marker: GN

LEC: GMO

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 213 Residential College Seminar in Philosophical/Religious/Ethical Principles 3

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

GE Core: GPR

GE Marker: GN

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 214 Residential College Seminar in Literature and Rhetoric 3

Study of works of literature and the social and historical contexts from which they come.

GE Core: GLT

GE Marker: GN

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 215 Residential College Seminar in Social and Behavioral Studies 3

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

GE Core: GSB

GE Marker: GN

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 221 Residential College Seminar in Historical Perspectives: Premodern 3

Historical study of human culture from ancient times to the 17th century.

GE Core: GHP

GE Marker: GL

LEC: GPM

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 222 Residential College Seminar in Historical Perspectives: Modern 3

Historical study of human culture from the 17th century to the present.

GE Core: GHP

GE Marker: GL

LEC: GMO

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 223 Residential College Seminar in Philosophical/Religious/Ethical Principles 3

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

GE Core: GPR

GE Marker: GL

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 224 Residential College Seminar in Literature and Rhetoric 3

Study of works of literature and the social and historical contexts from which they come.

GE Core: GLT

GE Marker: GL

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 225 Residential College Seminar in Social and Behavioral Studies 3

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

GE Core: GSB

GE Marker: GL

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 226 Residential College Seminar in Fine Arts 3

A historical survey of various art form(s) within historical, cultural, and material contexts. Students will explore the art form(s) through historical texts that emphasize artistic technique and production.

GE Core: GFA

GE Marker: GL

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated twice for credit when topic varies.

RCO 239 Non-Western Fine Arts Seminar 3

A global historical survey of non-Western art form(s) through an examination of historical, cultural, and material contexts. Students will explore the art form(s) through global historical texts and in-class experiential practice.

Prerequisites: Permission of instructor .

RCO 252 Introductory Concepts in Biology 3

Introduction to major concepts in biology for students who do not plan to take additional biology courses. Explores basic aspects of biology, including genetics, physiology, and ecology. Specific topics may include conservation biology, biotechnology, and current issues.

GE Core: GNS

LEC: GLS

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: Students may not earn credit for both BIO 111/BIO 112 and RCO 252. Students may not earn credit for both BIO 105 and RCO 252.

RCO 253 Residential College Seminar in Life Sciences 3

Conceptual explorations in the life sciences.

GE Core: GNS

LEC: GLS

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

RCO 254 Residential College Seminar in Physical Sciences 3

Conceptual explorations in the physical sciences.

GE Core: GNS

LEC: GPS

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

RCO 255 Introductory Concepts in Earth Science 3

Survey of basic concepts and processes. Integration of issues pertaining to environmental sustainability with the nature of the earth's three primary physical systems: the solid earth and continents; the ocean basins and the oceans; and the atmosphere's weather.

GE Core: GNS

LEC: GPS

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: Students cannot earn credit for both GES 103 and RCO 255. Students cannot earn credit for both GES 106/GES 106L and RCO 255.

RCO 273 General Psychology 3

Survey of psychology. Includes psychology as science, nervous system, growth and development, sensory and perceptual processes, motivation, emotion, learning, social behavior, personality (normal and pathological), statistics, testing, intelligence, aptitudes, and achievement.

GE Core: GSB

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: Students may not receive credit for both RCO 273 and PSY 121.

RCO 301 Independent Study 1-3

This course is designed to provide a comprehensive introduction to the nature and structure of research/scholarship in a variety of academic disciplines.

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated for credit when topic varies.

RCO 302 Advanced Study 3

Advanced-level study.

Prerequisites: Permission of instructor. Admission to a Residential College;

Notes: May be repeated for credit when topic varies.

RCO 306 Music in Context 3

Consideration of musical works in social, artistic, and economic contexts.

GE Core: GFA

GE Marker: GL

Prerequisites: Permission of instructor .

RCO 390 Research Capstone 3

Locating and using primary and/or secondary source materials, published and unpublished. Variable topics, related to residential colleges' curriculum. Offerings may include digital publications, fieldwork, or professional development research.

Prerequisites: Permission of instructor. Admission to a Residential College.

Retailing and Consumer Stds (RCS)

RCS 264 Fashion Retail Management 3

Knowledge and skills in retail operation strategy and management. Emphasis will be placed on applications of operation management concepts as well as the role of technology employed to manage inventory.

RCS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

RCS 355 Retail Consumer Research 3

An introduction to reading and evaluating retail consumer data to make key merchandise buying and planning decisions. Analysis of retail consumer data as applied to the development of business strategy.

Prerequisites: ECO 250. Restricted to students who are admitted to the Retailing and Consumer Studies concentration.

RCS 361 Fundamentals of Retail Buying and Merchandising 3

Investigation of the roles and responsibilities of buyers and managers in retail operations. Fundamentals of merchandise mathematics and buying.

Prerequisites: Minimum grade of C (2.0) in both MAT 115 and either RCS 264 or MKT 326.

RCS 363 Visual Merchandising and Product Presentation 3

Skill development in product presentation. Conceptualization and implementation of store displays based on an understanding of visual merchandising concepts and theories as well as planning strategies and techniques.

Prerequisites: Minimum grade of C (2.0) in both CRS 242 and RCS 264.

RCS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

RCS 460 Advanced Retail Buying and Merchandising 3

Advancing the strategies of inventory acquisition and control. Application of retail math to Excel spreadsheets in planning the assortment plan, six-month merchandise plan, and model stock plans.

Prerequisites: Undergraduates: minimum grade of C (2.0) in RCS 361. Graduate students: permission of instructor.

RCS 464 Global Retail Strategy and Management 3

Investigation of consumer benefits offered by multichannel retailing of apparel and related consumer products. Focus on the importance of culture to successful retailing to diverse global consumers.

Prerequisites: Minimum grade of C (2.0) in RCS 264 or MKT 326.

RCS 484 Advanced Retail Analysis 3

Investigation of retailing from a strategic perspective. Concepts are analyzed and integrated into applied problem-solving scenarios focused on consumer needs.

Prerequisites: Minimum grade of C (2.0) in RCS 464 for undergraduates.

RCS 560 Advanced Retail Buying and Merchandising 3

Advancing the strategies of inventory acquisition and control. Application of retail math to Excel spreadsheets in planning the assortment plan, six-month merchandise plan, and model stock plans.

Prerequisites: Undergraduates: minimum grade of C (2.0) in RCS 361. Graduate students: permission of instructor.

RCS 584 Advanced Retail Analysis 3

Investigation of retailing from a strategic perspective. Concepts are analyzed and integrated into applied problem-solving scenarios focused on consumer needs.

Prerequisites: Minimum grade of C (2.0) in RCS 464 for undergraduates.

RCS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

RCS 662 Behavior-Soft Lines Consumers 3

Study of environmental, individual, and psychological influences on behavior of consumers during the soft lines products consumption process.

RCS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Russian (RUS)

RUS 101 Elementary Russian I 3

First course in the introductory-level study of the Russian language and the cultures of the Russian-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

Notes: Students with previous knowledge of Russian are required to take the placement test. Students who are native or heritage speakers of Russian MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

RUS 102 Elementary Russian II 3

Second course in the introductory-level study of the Russian language and the cultures of the Russian-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

Notes: Students with previous knowledge of Russian are required to take the placement test. Students who are native or heritage speakers of Russian MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

RUS 203 Intermediate Russian I 3

First course in the intermediate-level study of the Russian language and the cultures of the Russian-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

LEC: GFL

Notes: Students with previous knowledge of Russian are required to take the placement test. Students who are native or heritage speakers of Russian MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

RUS 204 Intermediate Russian II 3

Second course in the intermediate-level study of the Russian language and the cultures of the Russian-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GN

LEC: GFL

Notes: Students with previous knowledge of Russian are required to take the placement test. Students who are native or heritage speakers of Russian MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

RUS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

RUS 301 Conversation, Composition, and Grammar Topics 3

Reading and discussion of unedited Russian texts. Formal and informal writing. Study of grammar and idiom.

GE Marker: GN

Notes: Proficiency level: RUS 204 or equivalent.

RUS 306 Slavic Life and Letters: Topics 3

Study of Slavic civilization. Emphasis on selected periods, genres such as films, memoirs, folklore, mythology, women's lives, etc. Taught in Russian.

GE Marker: GN

Notes: Proficiency level: RUS 204 or equivalent. May be repeated for credit when topic varies.

RUS 313 Major Authors in Russian Literature 3

Selected Russian authors read and discussed with attention to literary interpretation and analysis. Selection of authors and periods vary. Taught in English or Russian.

GE Core: GLT

GE Marker: GN

Notes: May be repeated for credit when topic varies.

RUS 314 Major Movements in Russian Literature and Culture 3

Topics vary, each taking a broad perspective on an important movement, social trend, literary development, or cultural period. Taught in English or Russian.

GE Core: GLT

GE Marker: GN

Notes: May be repeated for credit when topic varies.

RUS 315 Twentieth-Century Russian Literature/Translation 3

Intensive study of the artistic writing in Russia in the 20th century. Readings cover poetry and prose of Sholokhov, Ilf and Petrov, Pasternak, Evtushenko, Solzhenitsyn, and others. Taught in Russian.

Notes: Proficiency level: RUS 204 or equivalent.

RUS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

RUS 491 Tutorial 1-3

Directed program of reading, research, and individual instruction in Russian and Polish language and literature.

Notes: May be repeated for credit when topic varies.

RUS 492 Tutorial 1-3

Directed program of reading, research, and individual instruction in Russian and Polish language and literature.

Notes: May be repeated for credit when topic varies.

RUS 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

Social Science Course (SSC)

SSC 300 Doing Social Sciences 3

Introductory course for the online SPLS Social Sciences major. Topics include epistemology, theory development, research ethics, study design, data collection, and data analysis.

Prerequisites: SPLS Social Sciences major. junior or senior standing; or permission of the instructor.

SSC 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SSC 301 Contemporary Issues in the Social Sciences 3

Introductory course for the online SPLS Social Sciences major. Analysis of a single contemporary issue using each of the academic disciplines in the SPLS Social Science concentration.

Prerequisites: SPLS Social Sciences major. junior or senior standing; or permission of the instructor.

SSC 350 Inequality in a Changing World 3

This course introduces major schools of social science theory from several areas of study and applies them to the study and explanation of domestic and global inequality.

Prerequisites: SSC 300. SSC 301; 12 s.h. in residence at UNCG (can include SSC 300 and SSC 301); SPLS major with a concentration in Social Sciences.

SSC 400 Senior Seminar in the Social Sciences 3

Capstone seminar for students pursuing the SPLS Social Science concentration.

Prerequisites: SPLS Social Sciences major. senior standing; SSC 300 and SSC 301; and permission of the instructor.

SSC 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SSC 401 Individual Study in the Social Sciences 1-3

Directed program of reading and/or research in the Social Sciences. The credits can be used to fulfill either "distribution" or "area of emphasis" requirements.

Prerequisites: SSC 300 and SSC 301. permission of instructor and program director;

Notes: May be repeated once for credit, for up to 6 s.h.

Social Work (SWK)

SWK 215 Introduction to Social Work 3

Introduction to social welfare programs and social work practice. Topics include: social problems confronting society; societal and community helping resources; social work practice in a changing society. Field observation required.

SWK 250 Introduction to Social Work Data Analysis 3

Designed to introduce students to the application of basic statistics and data analysis encountered in social work practice. Topics include elementary descriptive and inferential procedures.

Prerequisites: Pr. or Coreq.: SWK 215 .

SWK 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SWK 310 Social Policy and Services 4

Examination and survey of historical development of the concept of social welfare; analysis of theoretical framework used to organize the study of social welfare services. Supervised volunteer experience required.

Prerequisites: SWK 215. major or minor in social work.

SWK 311 Human Behavior and Social Environment 3

Emphasis on theories relevant to understanding and influencing change on the societal, organizational, group, and individual levels.

Prerequisites: SWK 215 or permission of instructor.

SWK 315 Social Work, Diversity, and Vulnerable Populations 3

Examination and understanding of cultural and human diversity with focus on oppressed groups. Students will have the opportunity to learn about broad differences and likenesses among diverse populations and cultures.

Prerequisites: SWK 215. major or minor in social work.

SWK 325 Research in Social Work Practice 3

Focus on social workers as both consumers and producers of research. Emphasis on using research for needs assessment, evaluation of social work interventions, and creation of new social work knowledge.

Prerequisites: SWK 215 and SOWK major. Pr. or Coreq.: SWK 250 or STA 108.

SWK 351 Professional Skills 3

Lecture-laboratory course to teach verbal and written skills necessary for conducting the helping interview and other related social work activities. Extensive use of simulated role play experience and instructor/peer feedback.

Prerequisites: SWK 215, SWK 310, and SWK 311. SOWK major.

SWK 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SWK 405 Environmental Justice: Interdisciplinary Response for Sustainability 3

Interdisciplinary exploration of models that address social, economic, environmental justice concerns and their impact on community, economic, and environmental sustainability.

Notes: Same as PCS 406 .

SWK 410 Selected Topics in Social Work 3

Opportunity for students to study in depth topic of special interest.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

SWK 410A Sel Tpcs:School Social Work 1-3**SWK 410B Sel Tpc:Soc Serv/Mnt III / Fam 1-3****SWK 410C Sel Tpcs:SWK w/Religious Orgn 1-3****SWK 410D Sel Tpcs:Soc Serv for Ment III 1-3****SWK 411 Social Work Methods I 3**

Emphasis on knowledge, values, process, and skills in social work practice and introduction to interventive methods.

Prerequisites: Admission to field instruction.

Corequisites: SWK 413 and SWK 415.

Notes: SOWK major only.

SWK 412 Social Work Methods II 3

Focus on development of social work practice skills emphasizing delivery of social services.

Prerequisites: SWK 411.

Corequisites: SWK 414 and SWK 416.

Notes: SOWK major only.

SWK 413 Field Instruction I 5

Educationally directed learning experienced by performing a range of activities related to entry level practice.

Prerequisites: SOWK major. SWK 215, SWK 310, SWK 311, SWK 315, SWK 325, and SWK 351; admission to field instruction;

Corequisites: SWK 411 and SWK 415.

SWK 414 Field Instruction II 5

Continuation of SWK 413. Emphasis placed upon extended application and evaluation in the practice environment.

Prerequisites: SWK 411, SWK 413, and SWK 415.

Corequisites: SWK 412 and SWK 416.

SWK 415 Field Instruction Seminar I 1

Critical review and analysis of application of social work theory in practice setting.

Prerequisites: Admission to field instruction.

Corequisites: SWK 411 and SWK 413 .

SWK 416 Field Instruction Seminar II 1

Continues critical review and analysis of social work theory in practice setting.

Prerequisites: SWK 415.

Corequisites: SWK 412 and SWK 414 .

SWK 422 Comparative Study of Cross-Cultural Social Work Practice 3

Compares social work, social service programs, and social policies of the U.S. with those of selected other countries throughout the world, emphasizing services for families, children, and vulnerable populations.

Prerequisites: SWK 215, SWK 310, SWK 311, SWK 315, SWK 325, and SWK 351. or graduate standing;

Notes: May be repeated for credit when topic varies.

SWK 427 Human Services for Immigrants and Refugees 3

A perspective on the history of immigration, its role in the U.S.A., immigrants in North Carolina, their process of integration, cross-cultural competency, and the challenges in services delivery to immigrants.

SWK 430 Social Agency Program Development 3

Organization of new agencies or those initiating additional services. Needs assessment, resource development, grant writing, agency operations, and relationships with funding agencies.

SWK 433 Restorative Justice: Theory and Models 3

Examines the principles and practices of restorative justice, evaluating the potentials and limitations of restorative methods and interventions in the US and internationally.

Notes: Same as PCS 433.

SWK 451 Special Problems in Social Work 1-3

Intensive independent study of specialized topics.

Prerequisites: Requires written plan, permission of sponsoring instructor, and approval of department head.

Notes: May be repeated for credit when topics vary.

SWK 454 Mental Health Social Work 3

This course will provide knowledge and skills necessary for practicing effective social work with people who have mental illness and their families.

SWK 455 Substance Abuse and Social Work Practice 3

Introduction to the issues of substance abuse and addiction and their impact on clients and their families. Social work assessment and intervention methods will be taught.

SWK 470 Social Services for the Aging 3

Systematic study of social work approaches to providing services to the aging. Focus on current policies, services, and models of practice.

SWK 479 Gender and Peacebuilding 3

Examines the role of gender, sex, diversity, and power relations in the creation and resolution of conflict and building of peace.

Notes: Same as PCS 479.

SWK 482 School Social Work 3

Examination and understanding of school social work services with emphasis on professional standards, cultural sensitivity, accountability, and program planning.

Prerequisites: SWK 215, SWK 310, SWK 311, SWK 315, SWK 325, SWK 351, senior standing, and SOWK major. or permission of instructor.

SWK 484 Social Services for Children 3

Designed for practitioners and students to provide knowledge for working with children and to teach strategies, techniques, and skills for effective treatment.

SWK 505 Environmental Justice: Interdisciplinary Response for Sustainability 3

Interdisciplinary exploration of models that address social, economic, environmental justice concerns and their impact on community, economic, and environmental sustainability.

Notes: Same as PCS 505.

SWK 510 Selected Topics in Social Work 3

Opportunity for students to study in depth topic of special interest.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

SWK 551 Special Problems in Social Work 1-3

Intensive, independent study of specialized topics.

Prerequisites: Requires written plan, permission of sponsoring instructor, and approval of department head.

SWK 555 Substance Abuse and Social Work Practice 3

Introduction to the issues of substance abuse and addiction and their impact on clients and their families. Social work assessment and intervention methods will be taught.

SWK 570 Social Services for the Aging 3

Systematic study of social work approaches to providing services to the aging. Focus on current policies, services, and models of practice.

SWK 579 Gender and Peacebuilding 3

Examines the role of gender, sex, diversity, and power relations in the creation and resolution of conflict and building of peace.

Notes: Same as PCS 579.

SWK 582 School Social Work 3

Examination and understanding of school social work services with emphasis on professional standards, cultural sensitivity, accountability, and program planning.

Prerequisites: SWK 215, SWK 310, SWK 311, SWK 315, SWK 325, SWK 351, senior standing, and SOWK major. or permission of instructor.

SWK 584 Social Services for Children 3

Designed for practitioners and students to provide knowledge for working with children and to teach strategies, techniques, and skills for effective treatment.

SWK 600 Field Instruction and Seminar I 3

Application of theories and concepts to professional social work practice within a field agency. Seminar assists students to integrate theory and classroom learning into agency practice.

Prerequisites: Admission to the JMSW Program.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

SWK 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SWK 608 Field Instruction and Seminar II 3

Application of theories and concepts to professional social work practice within a field agency. Seminar assists students to integrate theory and classroom learning into agency practice.

Prerequisites: SWK 624.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

SWK 609 Family Theory and Intervention 3

Introduction to family treatment. Course will include assessment and intervention with families using the structural, strategic, solution-focused, object relations and narrative theoretical intervention approaches.

Prerequisites: SWK 624.

SWK 618 Social Work and Social Justice 3

This course will teach knowledge and skills students need for social justice work, including advocacy and community organization, within the scope of multicultural clinical practice.

Prerequisites: SWK 624.

SWK 619 Foundations of Clinical Social Work Practice 3

Introduction to clinical practice theories and skills including human development and personality theories, strength-based perspectives, and an overview of diagnosis and assessment in the service planning process.

SWK 621 Foundations of Social Work and Social Policy 3

Explores the history and development of social welfare institutions and social work. Examines the relationships between social problems, social policies, and social work practice from historical and contemporary perspectives.

Prerequisites: Admission to the MSW program.

SWK 622 Social Work Practice with Individuals 3

Introduction to direct social work practice. Students gain knowledge, skills and values necessary to provide a wide scope of developmental, preventive and therapeutic services to individuals.

Prerequisites: Admission to the MSW program.

SWK 623 Social Work with Groups 3

Designed to teach group process and strategies, techniques, and skills for working with groups such as support groups and task groups in human services settings.

SWK 624 Social Work Practice and Human Diversity 3

Examines cultural and social diversity; addresses theoretical and practical dimensions of social work practice with oppressed people of color, women, the aged, the sexually diverse, and the physically disabled.

Prerequisites: Admission to the MSW program.

SWK 626 Social Work Research Methods 3

Research methodology as it relates to the professional practice of social work. Examines quantitative and qualitative methods as means for solving social problems.

Prerequisites: SWK 624.

SWK 631 Social Work with Individuals: Theory and Practice 3

Social work assessment and intervention with individuals, including application of developmental theory, personality theories, diagnostic classifications, and social work ethical principles and practice theories.

Prerequisites: Admission to the Advanced Standing program option.

SWK 632 Social Work with Families and Groups 3

Theories related to group and family dynamics and functioning and social work assessment and intervention with families and groups from a multicultural clinical perspective.

Prerequisites: Admission to the Advanced Standing program option.

SWK 634 Research Designs and Data Analysis for Social Work Practice 3

Advanced skills in (a) conceptualizing research problems, (b) completing research in the social work domains: needs assessment, program evaluation, and single subject research, and (c) using inferential skills for data analysis.

Prerequisites: SWK 626.

SWK 640 Field Instruction III 5

Application of theories and concepts to the role of a professional social work practitioner within a field agency. Taken concurrently with SWK 641 Field Seminar III.

SWK 641 Field Seminar III 1

Field seminar to be taken concurrently with SWK 640 Field Instruction III; assists student to integrate theory and classroom knowledge into their agency field practice.

SWK 644 Organizational Context of Clinical Social Work Practice 3

Focuses on a range of organizational and professional issues social workers encounter as clinicians, service providers, and administrators in diverse clinical settings, with emphasis on culturally responsive social work practice.

Prerequisites: SWK 626.

SWK 647 Field Instruction IV 5

Application of theories and concepts to the role of a professional social work practitioner within a field agency.

Prerequisites: SWK 626.

Corequisites: SWK 648 and SWK 653.

Notes: Taken concurrently with SWK 648 Field Seminar IV. Grade: Satisfactory/Unsatisfactory (S/U).

SWK 648 Field Seminar IV 1

Field seminar to be taken concurrently with SWK 647 Field Instruction IV; assists students to integrate theory and classroom knowledge into their agency field practice.

SWK 650 Clinical Assessment in Social Work 3

Skill-building for competency-based assessment and diagnosis using a biopsychosocial social work framework to assess client strengths and disorders.

SWK 651 Advanced School Social Work 3

Skill-building for social work practice in the schools with emphasis on culturally sensitive student assessment and intervention, and professional standards and accountability.

Prerequisites: SWK 624 and SWK 626 or permission of instructor.

Corequisites: SWK 640 or SWK 647 or permission of instructor.

SWK 652 Advanced Clinical Social Work Practice I 3

The first of two advanced level courses in clinical social work practice, this course will focus on building competencies in clinical assessment and diagnosis of mental and substance abuse disorders.

Prerequisites: SWK 626.

Corequisites: SWK 640.

SWK 653 Advanced Clinical Social Work Practice II 3

This second advanced clinical practice course will focus on expanding competencies in clinical assessment and diagnosis of mental and substance abuse disorders, as well as applying culturally responsive clinical interventions.

Prerequisites: SWK 652.

Corequisites: SWK 647.

SWK 654 Special Topics in Social Work 3

Opportunity for students to study in depth topic of special interest. JMSW students only or with permission of instructor. Course may be repeated for a maximum of 6 credit hours.

SWK 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SWK 851 Foundations and Theories of Multiculturally Informed Social Work Research 3

Introduction to foundational theories and approaches to research in social work including critical theories, strength-based perspectives, and multiculturally responsive, theoretical perspectives.

Prerequisites: Admission to the Joint Ph.D. Social Work Program.

SWK 853 Quantitative Methods in Social Work 3

This course will focus on quantitative methods in social work research as an integral part of problem solving and innovating social work practice and college teaching.

Prerequisites: Admission to the Joint Ph.D. Social Work Program.

SWK 854 Qualitative Methods in a Multicultural Context 3

This course introduces doctoral students to the field of qualitative research methods in a multicultural context with a particular focus on the operational issues inherent in conducting qualitative research.

Prerequisites: Admission to the Joint Ph.D. Social Work Program.

SWK 855 Quantitative Data Analysis in Social Work 3

This course includes construction and analysis of data tables, graphs, and charts; interpretation, and application of descriptive and inferential statistics; use of a statistical software program to analyze data.

Prerequisites: Admission to the Joint Ph.D. Social Work Program.

SWK 856 Community-Engaged Research in Social Work 3

Advanced course in approaches, methodology, and methods associated with community-engaged research and inquiry with an emphasis on developing skills in translational research and participatory action research.

Prerequisites: Admission to the Joint Ph.D. Social Work Program and SOWK/SWK 853, SOWK/SWK 854, SOWK/SWK 855.

SWK 885 Issues and Trends in Social Work 3

The purpose of this course is to introduce and critically analyze the current set of Grand Challenges in the social work profession, rethinking them and their relevance to society.

Prerequisites: Admission to the Joint Ph.D. Social Work Program.

Sociology (SOC)

SOC 101 Introduction to Sociology 3

Scientific study of social behavior including factors involved in functioning and development of human society such as culture, identity, social organization, institutions, stratification, social process, and social change.

GE Core: GSB

SOC 201 Social Problems 3

Analysis of contemporary social problems from a sociological perspective.

SOC 202 Social Problems in Global Context 3

This course examines causes of and responses to critical social problems in different world regions with a focus on the dimensions and impacts of globalization.

GE Core: GSB

GE Marker: GL

SOC 222 Sociology of Deviant Behavior 3

Social processes in the creation and maintenance of deviant populations: classification, objectification of social meanings, functions of subcultures and social outcomes of the deviance-ascription process. Includes core sociological concepts, methods, and theories.

GE Core: GSB

SOC 225 Race, Class, and Gender: Social Inequalities 3

Study of social inequalities, with a particular focus on race, class, and gender.

SOC 290 Thinking Sociologically-Classical Theory 3

A review of classical sociological theory, its foundations in modernity, and its place in the development of sociology as a social science discipline. First in the two-part sequence in theory.

Prerequisites: SOC 101.

SOC 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SOC 301 Introduction to Methods and Research 3

Topics include the function of theory in research, concept formation, study design, data collection, and analysis strategies.

Prerequisites: One sociology course or permission of instructor.

Notes: SOC majors only.

SOC 302 Introduction to Data Analysis 3

Application of statistical concepts and procedures to sociological inquiry. Topics include elementary descriptive and inferential procedures and use of computers in data analysis.

Prerequisites: SOC 101 and SOC 301 (or PSC 301 for students double majoring in Sociology and Political Science) and one additional sociology course.

Notes: SOC majors only, except by permission of instructor.

SOC 311 Reading Culture and Society 3

Examines key sociocultural issues through classic literary and cinematic works, emphasizing notions of modernity, the contemporary world, and the relationship they entertain; provides foundational reading and critical thinking skills.

Notes: Same as ATY 311.

SOC 317 Criminal Justice 3

Adjudication of criminal defendants from arrest through appellate process. Special attention given to current issues in administration of justice, e.g., the death penalty, plea bargaining, alternatives to incarceration.

SOC 323 Global Deviance 3

Explores and examines contemporary meaning and forms of deviant behavior using cross cultural and international perspectives.

GE Marker: GL

SOC 324 Criminology 3

Consideration of legal aspects of crime, its causation, patterns of criminal behavior, and victimization. Attention given to selected current issues in detection, apprehension, and adjudication of criminal offenders.

Prerequisites: SOC 222.

SOC 326 The Community 3

Recent changes and current structure of communities, with special attention to urbanization, bureaucratization, industrialization, social class systems, land use, inter-organizational relationships, urban life styles, and community power.

Prerequisites: SOC 101 or SOC 201 or SOC 202, or permission of instructor.

SOC 327 Race and Ethnic Relations 3

Interaction between peoples of differing racial, ethnic, and cultural backgrounds, with comparison of American relationships to those in other parts of the world.

GE Core: GSB

SOC 328 Social Movements 3

Systematic study of such forms of collective social behavior as social movements and revolutions with a strong international and comparative focus.

Prerequisites: SOC 101 or SOC 201 or SOC 202 or permission of instructor.

SOC 329 Sociological Perspectives on Gender 3

Inquiry into status of women in society with emphasis on socialization, structural and institutional relationships, and continuities and discontinuities in women's roles across the life cycle.

SOC 330 Urban Society 3

Analysis of emergence of urban society including formation and growth of urban centers and problems associated with ecological, social, and cultural differentiation within urban settlements.

SOC 332 Law and Society 3

Examines law as a social process that differs from case to case according to the social characteristics of the parties involved. Criminal and civil law are discussed.

Notes: Freshmen must have permission of instructor to register for this course.

SOC 333 Political Sociology 3

Influence of social values and social forces upon government policy and of government policy upon society. Examination of conflicting political sociological theories.

Prerequisites: One course in field of large-scale organization or permission of instructor.

SOC 335 Marriage and the Family 3

Analysis of marriage and family with particular attention to change and interrelationships with other institutions.

SOC 340 An Introduction to Cultural Sociology 3

An introduction to cultural sociology and exploration of cultural products and practices, the relationship between culture and society, and issues pertaining to meaning, interpretation, and representation.

SOC 341 Sociological Perspectives on Social Psychology 3

Conceptual frameworks of social psychology for selected topics: theories of social psychology, socialization, social perception, acquisition of self, gender, race and ethnicity, social interaction, and attitude and behavior change.

Prerequisites: SOC 101 and one additional sociology course or permission of instructor.

Notes: May not be taken for credit if student has had SOC 471.

SOC 342 Global Inequalities 3

Examination of social stratification systems and theories, economic prestige, power inequalities, social mobility, and class consciousness.

Prerequisites: SOC 101 and one additional sociology course or permission of instructor.

SOC 344 Global Society 3

Examines the interdependent development of formal organizations, communities, and societies as large scale social systems. Special attention is given to inter-societal relationships and the world system. Application to contemporary social issues is stressed.

GE Marker: GL

Prerequisites: SOC 101 and one additional sociology course or permission of instructor.

SOC 346 Population Problems 3

Sociological study of basic population processes of fertility, migration, and mortality, including examination of problems associated with changing population size, composition, and distribution.

Prerequisites: SOC 101 and one additional sociology course or permission of instructor.

SOC 350 Juvenile Delinquency 3

Course assesses the nature and extent of juvenile participation in unconventional behavior and identification with norms and values promoting delinquency.

Prerequisites: SOC 222.

SOC 362 Sociological Perspectives on Education 3

Introduction to sociological theories and research about how social forces influence schools, inequality and conflict in schools, how schools confer status on people, and how schools are organized and changed.

SOC 364 African American Social Thought 3

An introduction to perspectives advanced by black scholars concerning black power and pride, stratification, social order, culture, intraracial socialization, interaction, mate selection, and consequences of skin-tone variance.

SOC 370 Environmental Sociology 3

Introduction to major sociological theories, perspectives and research useful for understanding environmental issues and environmentalism. Primary focus on the U.S., with some attention to Europe and developing countries.

Prerequisites: SOC 101 or SOC 201 or SOC 202, or permission of instructor.

SOC 371 Immigration, Ethnicity, and Race in a Global Context 3

Examination of ethnic and racial relations and conflicts, especially in societies outside of the U.S. Special attention to the causes of international migration and its consequences for racial and ethnic relations.

Prerequisites: SOC 101 or SOC 201 or SOC 202 or permission of instructor.

SOC 373 Green Criminology 3

Study of harms and crimes against the natural environment and the related impacts on human and non-human animals. Students will assess and analyze the causes and consequences of environmental crime.

SOC 377 Disaster, Self, and Society 3

The anatomy of disasters examined from both anthropological and sociological perspectives. Case studies are presented through several conceptual lenses for clarifying individual, social, cultural, and political responses to catastrophic events.

Prerequisites: 3 s.h. of course work with a prefix of ATY or SOC or permission of instructor.

Notes: Same as ATY 377.

SOC 390 African American Perspectives on Crime 3

An introduction to perspectives in criminology that focus on African American participation in crime and the significance of race for legal sanctioning.

Prerequisites: SOC 222 or SOC 324. SOCI major.

SOC 393 Drugs and Society 3

This course focuses on drug (mis)use as a social phenomenon. We discuss the history of drug (mis)use, causes of drug use, and the development and enforcement of drug laws.

Prerequisites: SOC 101 or SOC 222 or SOC 324.

SOC 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SOC 419 Gender, Crime, and Deviance 3

Examines key questions in scholarly literature on gender, crime, and deviance: how gender socialization, gender roles, and institutions affect males' and females' offending, deviant behavior, and victimization.

Prerequisites: SOCI major.

Notes: Same as WGS 419. Students cannot receive credit for both SOC 419 and WGS 311.

SOC 420 Family Violence 3

Examines the forms, causes, incidence, and prevention of violence within the family and other intimate relationships.

Prerequisites: Junior or senior standing and sociology major. or permission of instructor.

SOC 421 Seminar in Population and Urban Studies 3

Advanced study of population processes and urban concepts from an interdisciplinary viewpoint. Emphasis on accessing and interpreting data from the U.S. census and other sources.

SOC 422 Crimes of the Powerful 3

Study of the types, causes, consequences, and control of white-collar crime.

Prerequisites: SOC 222 or SOC 324, or permission of the instructor.

SOC 425 Contemporary Gangs in America 3

Examines the nature and extent of gang membership in America: activities of cliques, near groups, cultural gangs, and established gangs.

SOC 426 Comparative Minority Relations 3

Comparative study of ethnic, class, and cultural conflict in developing and developed societies. Attention is given to the impact of ethnicity and class conflict upon societal development and change in the international setting.

SOC 429 Collective Violence and Nonviolence in Global Perspective 3

Study of social dynamics underlying events of collective violence and collective nonviolence globally and historically. Explores why contentious politics take a violent turn sometimes and a nonviolent turn at other times.

Prerequisites: Junior standing or permission of instructor.

SOC 434 Considering Ourselves as Offenders, Victims and Survivors 3

Using biographical history, the course will highlight connections between individual identity, ideologies and socio-political context, especially as they relate to the labels of offenders, victims and survivors.

Prerequisites: SOC 290 and SOC 324, and 3 hours of additional Sociology course credit or permission from instructor. Sociology majors and minors.

SOC 441 The Real You 3

Study of the social factors that impact contemporary culture and the individual's sense of self and identity.

Prerequisites: SOC 101, SSC 301, or permission of the instructor.

SOC 452 Sociology of Science and Technology 3

Nature and origins of modern science; relations of science and technology; science in democratic and authoritarian societies; images of scientists; origins and recruitment of scientists; career patterns; the organizational setting.

Prerequisites: 6 s.h. of sociology at 300 level or above or permission of instructor.

SOC 471 Advanced Topics in Social Psychology 3

Social impact, exchange, equity, and attribution theories intensively examined as basic in understanding specific substantive problems of reciprocal influences of groups and individuals in socio-cultural context.

Prerequisites: 3 s.h. in sociology and 3 s.h. in psychology, or permission of instructor.

SOC 490 Seeing Society-Contemporary Theory 3

Introduction to contemporary social and sociological theories and their places in postindustrial/postmodern society. Second of a two-part sequence in theory.

Prerequisites: SOC 101, SOC 290, and SOC 301.

SOC 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major

Notes: May be repeated for credit if the topic of study changes.

SOC 497 Special Problems in Sociology 2-3

Opportunity for students to have directed instruction on problems of special interest.

Prerequisites: Permission of faculty member with whom student wishes to work.

SOC 498 Special Problems in Sociology 2-3

Opportunity for students to have directed instruction on problems of special interest.

Prerequisites: Permission of faculty member with whom student wishes to work.

SOC 499 Internship in Sociology 3-6

Undergraduate students will complete at least 120 internship hours (graduate students, at least 300 hours) with a local public sector agency, and through the application of sociological concepts, will examine interpersonal, organizational, and public policy issues.

Prerequisites: Graduate standing. junior or senior standing; Sociology major; minimum 2.80 GPA; 3 letters of recommendation (at least one must be from the Sociology faculty).

SOC 552 Sociology of Science and Technology 3

Nature and origins of modern science; relations of science and technology; science in democratic and authoritarian societies; images of scientists; origins and recruitment of scientists; career patterns; the organizational setting.

Prerequisites: 6 s.h. of sociology at 300 level or above or permission of instructor.

SOC 571 Advanced Topics in Social Psychology 3

Social impact, exchange, equity, and attribution theories intensively examined as basic in understanding specific substantive problems of reciprocal influences of groups and individuals in socio-cultural context.

Prerequisites: 3 s.h. in sociology and 3 s.h. in psychology, or permission of instructor.

SOC 593 Thesis Proposal Seminar 3

Provides an overview of sociological theory, epistemological issues, and research design; leads to a written thesis proposal.

Prerequisites: Graduate standing, senior in disciplinary honors, or permission of instructor.

SOC 599 Internship in Sociology 3-6

Undergraduate students will complete at least 120 internship hours (graduate students, at least 300 hours) with a local public sector agency, and through the application of sociological concepts, will examine interpersonal, organizational, and public policy issues.

Prerequisites: Graduate standing. Sociology major; minimum 2.80 GPA; 3 letters of recommendation (at least one must be from the Sociology faculty).

SOC 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SOC 601 Seminar in Sociological or Criminological Analysis 3

Intensive work at an advanced level on a selected topic in sociology or criminology.

Prerequisites: SOC 618 or permission of instructor.

SOC 614 Contemporary Sociological Theory 3

Selected major theoretical perspectives: functionalism, conflict, and alternative models.

SOC 616 Advanced Research Methods 3

The function of theory in research, concept formation, study design, data collection and analysis.

SOC 617 Ethnography 3

Provides students with the tools necessary to use ethnographic methods, including practical training, epistemological and ethical issues, and the history of ethnography in sociology.

Notes: Graduate standing.

SOC 618 Advanced Data Analysis 3

Application of advanced statistical concepts and procedures in multivariate analyses of discrete and continuous data.

Prerequisites: SOC 302 or permission of instructor.

SOC 628 Social Movements 3

Sociological approaches to social movements and social conflict emphasizing their genesis, structure, resources, and consequences for simple and complex societies.

SOC 640 Cultural Sociology 3

Graduate seminar in cultural sociology; an exploration of cultural products and practices, the relationship between culture and society, theories of culture, and issues pertaining to meaning, interpretation, and representation.

SOC 646 Teaching and Learning Sociological Concepts 3

Goals, methods, and evaluation in teaching and learning sociology at the college level. Students prepare course objectives and outlines, select instructional materials, and present demonstration lectures and discussions.

SOC 651 Criminology 3

Critical examination of central sociological formulations of criminal behavior and victimization, and societal responses to each; integration of theories of criminal behavior with appropriate research strategies for theory advancement.

Prerequisites: Six hours of sociology at 300-level or permission of instructor.

SOC 653 Social Control 3

Comparative examination of societal responses to deviance. Theoretical and empirical analysis of institutions of social control.

Prerequisites: Six hours of sociology at 300-level or permission of instructor.

SOC 695 Internship 3-6

Directed practical experience in a professional setting in the student's area of interest. Includes written paper(s) applying sociological theories and methodologies to analysis of the setting.

Prerequisites: 21 hours in sociology at 500-level or above.

SOC 697 Special Problems in Sociology 3

Independent study or research.

SOC 698 Special Problems in Sociology 3

Independent study or research.

Prerequisites: Permission of faculty member with whom students wish to work.

SOC 699 Thesis 1-6**SOC 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SOC 801 Thesis Extension 1-3

Thesis Extension.

SOC 803 Research Extension 1-3

Spanish (SPA)

SPA 101 Beginning Spanish I 3

Introduction to the Spanish language and the cultures of the Spanish-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary. Equivalent to SPA 121; students may not receive credit for both SPA 101 and SPA 121.

GE Marker: GL

Notes: Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish **MUST** obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

SPA 102 Beginning Spanish II 3

Continued study of the Spanish language and the cultures of the Spanish-speaking world at the introductory level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

Prerequisites: SPA 101 or SPA 121 or met this level by the placement test.

Notes: Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish **MUST** obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

SPA 103 Intensive Beginning Spanish 4

Study of Spanish and the cultures of the Spanish-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary. Review of SPA 101 combined with SPA 102.

Prerequisites: Minimum of one year of high school Spanish and placement test or permission of department.

Notes: This class is complemented by one hour of online instruction/practice. Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish **MUST** obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for SPA 102 (or equivalent), an equivalent or higher-level course or have been placed into a higher-level course.

SPA 105 Applied Beginning Spanish 3

Intensive practice in beginning Spanish. Active use of language skills: listening, speaking, writing, reading. Review and further study of basic Spanish structures and vocabulary. Includes study of cultural topics.

GE Marker: GL

Prerequisites: This course is only open to students with transfer credit for SPA 101 and SPA 102 or institutional credit that is at least 5 years old who elect or need to take another class in beginning-level Spanish, and who are seeking to improve their oral communication skills in Spanish before continuing to SPA 203 or students with departmental permission.

Notes: SPA 105 does not count toward the College Foreign Language requirement. Students who are native or heritage speakers of Spanish **MUST** obtain permission from the instructor before enrolling in the course.

SPA 121 Basic Spanish for Teachers 3

Designed for teacher licensure candidates; students who successfully complete SPA 121 will be able to communicate with Spanish-speaking students and their families at a basic conversational level.

Prerequisites: Junior or senior standing in the Teacher Education Program.

Notes: Equivalent to SPA 101. students may not receive credit for both SPA 101 and SPA 121. Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish **MUST** obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

SPA 201 Applied Intermediate Spanish 3

Intensive practice in spoken intermediate low Spanish. Active use of language skills (listening, speaking, writing, and reading). Study of intermediate low Spanish structures and vocabulary. Further discussion of cultural topics.

GE Marker: GL

Prerequisites: This course is only open to students with transfer credit for SPA 203 or institutional credit that is at least 5-years old who elect or need to take another class in intermediate-low-level Spanish and who are seeking to improve their oral communication skills before continuing to SPA 204, or students with departmental permission.

Notes: SPA 201 does not count towards the College Foreign Language requirement. Students who are native or are heritage speakers of Spanish **MUST** obtain permission from the instructor before enrolling in the course.

SPA 203 Intermediate Spanish I 3

Intermediate-level study of the Spanish language and cultures of the Spanish-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

LEC: GFL

Prerequisites: SPA 102 or equivalent or met this level by the placement test.

Notes: Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish **MUST** obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

SPA 204 Intermediate Spanish II 3

Continued study of the Spanish language and cultures of the Spanish-speaking world at the intermediate level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

GE Marker: GL

LEC: GFL

Prerequisites: SPA 203 or SPA 240 or equivalent or met this level by the placement test.

Notes: Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish **MUST** obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

SPA 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SPA 301 Spanish Language and Cultures 3

An opportunity to increase proficiency in oral and written language skills while extending knowledge of Hispanic culture. A bridge course required for advanced work in all areas.

GE Marker: GL

Prerequisites: SPA 204 or departmental permission.

Notes: Students cannot receive credit for both SPA 301 and SPA 302.

SPA 302 Spanish Language and Cultures for Heritage Speakers 3

Advanced Spanish grammar and strong emphasis on literacy-building and culture in this language. For heritage speakers only.

GE Marker: GL

Notes: Students cannot receive credit for both SPA 301 and SPA 302.

SPA 310 Advanced Spanish Language and Cultures for Heritage Speakers 3

Continued literacy building in Spanish with a focus on advancing oral and writing skills. Students will engage with the local Latino community through service-learning.

GE Marker: GL

Prerequisites: SPA 302 or departmental permission. Permission of course instructor is required;

Notes: For heritage speakers only.

SPA 311 Views of the Hispanic World Through Intermediate Conversation 3

Intensive and methodical training in spoken Spanish.

GE Marker: GL

Prerequisites: SPA 204 or permission of instructor.

SPA 313 Views of the Hispanic World Through Intermediate Conversation Abroad 1-3

Intensive formal and informal training in Spanish conversation in a Spanish or Latin American setting. Offered only in UNCG Program Abroad.

Prerequisites: SPA 204 or permission of instructor.

Notes: May be repeated up to three times for credit.

SPA 315 Intermediate Spanish Composition 3

Intensive study of grammar and idiom. Formal and informal writing.

GE Marker: GL

Prerequisites: SPA 301 or SPA 302 or departmental permission.

SPA 317 Foundations in Hispanic Cultures, Literatures, and Films 3

Introduction to Hispanic cultures and histories through literature, film, and other cultural practices. Development of skills in Spanish.

Prerequisites: SPA 204 or departmental permission.

SPA 318 Intermediate Spanish Composition for Heritage Speakers 3

Emphasis on expansion of bilingual range in reading and writing. Course develops informal and formal writing skills through exploration of contemporary social and cultural topics.

Prerequisites: SPA 302 or departmental permission. Permission of course instructor required;

Notes: For heritage speakers only.

SPA 321 Spanish in a Public School Setting 3

Field experience in a public school setting that requires interaction with native speakers of Spanish. This course has a service-learning designation.

GE Marker: GL

Prerequisites: SPA 204 or SPA 241 or equivalent or departmental permission .

SPA 332 Introduction to Spanish Culture 3

Introduction to the culture of Spain. Selected readings on the culture by noted Spanish authors, films, slides with classroom discussions.

GE Marker: GL

Prerequisites: SPA 301 or SPA 302 or departmental permission.

SPA 334 Introduction to Spanish American Culture 3

Introduction to the culture of Spanish America. Selected writings by noted Spanish American authors, films, slides with classroom discussion.

GE Marker: GL

Prerequisites: SPA 301 or SPA 302 or departmental permission .

SPA 342 Introduction to Hispanic Linguistics 3

Introduction to the scientific study of Spanish, covering the core linguistic sub-fields (phonetics, phonology, morphology, syntax, semantics, and pragmatics) to understand Spanish language use and analysis in real-world contexts.

Prerequisites: One course SPA 300-SPA 309 or departmental permission.

SPA 351 Introduction to Literary Studies 3

Reading of representative Hispanic texts, by genres. Attention will be given to basic vocabulary, concepts and techniques of literary analysis.

GE Marker: GL

Prerequisites: One course SPA 300-SPA 309 or departmental permission.

SPA 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SPA 401 Special Topics in Language and Literature 3

Directed study and research in language and literary topics of special interest to the locale of the UNCG Study Abroad Program in a Spanish-speaking country.

Prerequisites: SPA 315 and SPA 351 and departmental permission.

Notes: May be repeated for credit when topic varies.

SPA 406 Topics in Latin American Literature 3

Topics in Latin American literature that explore the development of literary genres and themes, with attention to cultural and historical background as well as techniques of literary analysis.

Prerequisites: SPA 315 and SPA 351. or departmental permission;

Notes: May be repeated once for credit when topic varies.

SPA 407 Topics in Spanish Literature 3

Topics in Spanish Literature that explore the development of literary genres and themes, with attention to cultural and historical background as well as techniques of literary analysis.

Prerequisites: One course SPA 340-349 and one course SPA 350-359. or departmental permission;

Notes: May be repeated once for credit when topic varies.

SPA 409 Topics in Literature from the Spanish Speaking World 3

Topics in Literatures from the Spanish Speaking World explores the development of literary genres and/or themes, with attention to cultural and historical background as well as techniques of literary analysis in Spanish.

Prerequisites: One course SPA 340-349 and one course SPA 350-359. or departmental permission.

SPA 411 Cultural Expressions in the Hispanic World Through Advanced Conversation 3

Further intensive and methodical training in spoken Spanish.

GE Marker: GL

Prerequisites: One course SPA 310-SPA 319 or departmental permission.

SPA 415 Advanced Spanish Composition 3

Intensive practice in the written and spoken language, focusing on refinements in structure, vocabulary development, informal conversation, and formal writing styles.

GE Marker: GL

Prerequisites: SPA 311 (or SPA 313) and SPA 345. or equivalent.

SPA 417 Topics in Hispanic Cultures, Literatures and Films 3

Development of Hispanic cultures and histories through literature, film and other cultural practices. Further skills training in Spanish.

Prerequisites: One course SPA 340-349 and one course SPA 350-359 or departmental permission.

Notes: May be repeated once for a total of six credit hours when topic varies.

SPA 432 Topics in Spanish Culture and Civilization 3

Major topics in Spanish culture, history, and civilization. Special emphasis on the development of customs, national traits, cultural movements, and institutions.

Prerequisites: One 400-level course in Hispanic literature or departmental permission.

Notes: May be repeated once for a total of 6 s.h.

SPA 435 Selected Topics in U.S. Latino/Latina Cultural Studies 3

An examination of issues relating to U.S. Latino/Latina ethnic identity as defined in literature, performance, art, music, and film. Special emphasis given to the dialogue with the English-speaking community.

Prerequisites: One 400-level Hispanic literature course or departmental permission.

SPA 436 Topics in Spanish-American Culture and Civilization 3

Major topics in Spanish culture, history, and civilization. Special emphasis on the development of customs, national traits, cultural movements, and institutions.

Prerequisites: One 400-level course in Hispanic literature or permission of department.

Notes: May be repeated once when topic varies for a total of 6 s.h.

SPA 442 Topics in Hispanic Linguistics 3

Studies in topics of Hispanic linguistics. Exploration of linguistic theoretical frameworks, methodologies, and current scholarship.

Prerequisites: One course from SPA 330-339 or departmental permission.

Notes: May be repeated once for a total of six credit hours when topic varies.

SPA 443 Spanish in the U.S. 3

This course will study Spanish in its socio-cultural context as a language of the U.S. and examine the Spanish linguistic characteristics of different Spanish-speaking communities across the U.S., such as those in New York, Chicago, Miami, Los Angeles, the Southeast, the Southwest, etc.

Prerequisites: One course from SPA 330-339 or departmental permission.

SPA 445 Spanish Phonetics 3

Spanish phonetics and intonation. Students learn to read and write symbols for sounds and inflections of Spanish and study mechanics of production of these sounds, accompanied by intensive drill in pronunciation and intonation.

Prerequisites: One course SPA 330-339 or departmental permission.

SPA 452 Topics in Spanish Literature 3

In-depth studies, through a variety of critical and historical approaches, based on themes, geographical areas, outstanding figures, genres, or periods.

Prerequisites: One 400-level course in Hispanic literature or departmental permission.

Notes: May be repeated for credit when topic varies.

SPA 454 Topics in Spanish American Literature 3

In-depth studies, through a variety of critical and historical approaches, based on geographical areas, outstanding figures, genres, or periods.

Prerequisites: One 400-level course in Hispanic literature or departmental permission.

Notes: May be repeated for credit when topic varies.

SPA 462 Studies in Film Genre 3

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

Prerequisites: Departmental permission.

Notes: May be repeated for credit when the topic varies. Same as FRE 463, ITA 418.

SPA 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

SPA 497 Directed Study in Spanish Language 3

Directed study and research in Spanish language.

Prerequisites: Departmental permission required.

Notes: May be repeated for credit when topic varies.

SPA 498 Directed Study in Hispanic Cultures and/or Literatures 3

Directed study and research in literary topics.

Prerequisites: Departmental permission required.

Notes: May be repeated for credit when topic varies.

SPA 499 Internship in Spanish 3

Prerequisite: Min. 15 hours of Spanish above the 204 level; Min. 3.0 GPA; written permission of instructor;

Notes: Must be planned and requested one semester prior to placement.

SPA 502 Selected Topics in Spanish Literature 3

In-depth studies, through a variety of critical and historical approaches, based on themes, geographical areas, outstanding figures, genres, or periods.

Notes: May be repeated for credit when topic varies.

SPA 504 Selected Topics in Latin American Literature 3

In-depth studies, through a variety of critical and historical approaches, based on geographical areas, outstanding figures, genres, or periods.

Notes: May be repeated for credit when topic varies.

SPA 509 Selected Topics in Literatures from the Spanish-Speaking World 3

Topics explore the development of literary genres and themes, examining similarities and differences across major areas of the Spanish-speaking world while exploring a variety of critical and historical approaches.

SPA 532 Selected Topics in Spanish Cultures, Literatures, and Films 3

Major topics in Spanish culture, history, and civilization. Special emphasis on the development of customs, national traits, cultural movements, and institutions.

Notes: May be repeated for credit when topic varies.

SPA 534 Selected Topics in Latin American Cultures, Literatures, and Films 3

Major topics in Spanish culture, history, and civilization. Special emphasis on the development of customs, national traits, cultural movements, and institutions.

Notes: May be repeated for credit when topic varies.

SPA 535 Selected Topics in U.S. Latino/Latina Cultural Studies 3

An examination of issues relating to U.S. Latino/Latina ethnic identity as defined in literature, performance, art, music, and film. Special emphasis given to the dialogue with the English-speaking community.

Notes: May be repeated for credit when topic varies.

SPA 546 Selected Topics in Hispanic Linguistics 3

Selected topics of Hispanic linguistics. Students delve into the study of Pragmatics/Sociolinguistics/Spanish linguistics, discourse analysis and the analysis of Spanish in context or in contact with other languages.

SPA 562 Studies in Film Genre 3

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

Prerequisites: Departmental permission.

Notes: May be repeated for credit when the topic varies. Same as FRE 562, ITA 518.

SPA 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SPA 603 Seminar in Spanish Literature 3

Advanced study and investigation of current scholarship on a topic of Spanish literature.

Prerequisites: LLC 601 or permission of department.

Notes: May be repeated for credit when topic varies.

SPA 604 Seminar in Spanish American Literature 3

Advanced study and investigation of current scholarship on a topic of Spanish American literature.

Prerequisites: LLC 601 or permission of department.

Notes: May be repeated for credit when topic varies.

SPA 605 Seminar in Hispanic Linguistics 3

Advanced study and investigation of current scholarship on a topic of Hispanic linguistics.

Prerequisites: Permission of department.

Notes: May be repeated for credit when topic varies.

SPA 693 Special Topics in Spanish Language and/or Literature 3

Study of Hispanic language and literature.

Prerequisites: Permission of instructor and Director of Spanish Graduate Study.

SPA 695 Directed Study 3

Directed program of reading or research in an area of special interest in Hispanic studies. Regular conferences with the instructor will be scheduled.

Prerequisites: Permission of instructor and Director of Spanish Graduate Study.

SPA 699 Thesis 1-6**SPA 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SPA 801 Thesis Extension 1-3

Thesis Extension.

SPA 803 Research Extension 1-3

Specialized Education Services (SES)

SES 100 Visual Gestural Communication 2

Development of skills in nonverbal communication. Topics of spatial awareness, visual processing skills, and the use of facial expression, gestures, pantomime, and body language as it pertains to interpreting.

Prerequisites: SES 101 recommended.

SES 101 American Sign Language I 3

American Sign Language (ASL) with emphasis on the development of basic receptive and expressive skills. ASL grammar will be covered to develop rudimentary conversational skills in ASL. Introduction to Deaf culture and community.

Prerequisites: Professions in Deafness major.

Corequisites: SES 245.

Notes: May not receive credit for both ASL 101 and SES 101.

SES 102 American Sign Language II 3

Development of conversational skills in American Sign Language (ASL). Review of origin and application of contemporary manual communication systems.

Prerequisites: SES 101. Professions in Deafness major.

SES 200 People with Disabilities in American Society 3

Exploration of the treatment of people with disabilities in American society from a personal, historical, political, and social perspective, including related legislation, portrayal in popular media, and contemporary issues.

SES 203 American Sign Language III 3

Continuation of Sign Language II with an increased emphasis on expressive skills, receptive skills, linguistic knowledge, and integration of cultural behaviors in conversational settings.

SES 204 American Sign Language IV 3

Continuation of American Sign Language III with an increased emphasis on expressive skills, linguistic knowledge, and integration of cultural behaviors in conversational settings. Community lab hours required.

LEC: GFL

SES 240 Communication Development in Children 3

Psychosociolinguistic and developmental processes in the acquisition of communication in typically developing children. Emphasis on interpersonal communication patterns in diverse cultures that contribute to and influence social interaction.

GE Core: GSB

Notes: Students cannot receive credit for both this course and CSD 308.

SES 242 Introduction to Exceptional Children: Early Years 3

Provides an overview to early childhood special education. Issues related to legislation, identification, characteristics, family roles, and programmatic concerns will be addressed.

GE Core: GSB

SES 244 Cognitive Processing Skills for Interpreting 3

Development of cognitive processing skills within ASL and English. Abilities to manipulate with accuracy two languages involved in the interpreting process in order to interpret a message accurately.

Prerequisites: SES 101. PRDF major.

SES 245 History and Culture of the Deaf Community 3

Introduction to the diverse members of the Deaf Community with emphasis on Deaf people as a linguistic and cultural minority. Focus is on historical, educational, political, social, and vocational issues.

Prerequisites: PRDF major.

Notes: May not receive credit for both ASL 245 and SES 245.

SES 250 Introduction to Professions in Specialized Education 3

Study of fundamental concepts on teaching and learning, applicable to educational services to students with disabilities. Particular emphasis is given to teachers' perspectives with required field experience in schools.

SES 251 Introduction to Deaf Education 3

An introduction to professional standards, ethics and expectations in Deaf Education, while also exploring historical/cultural perspectives and service delivery options for students who are deaf/hard of hearing.

SES 252 Survey of Learning and Behavior Differences 3

Overview of learning and behavior differences as related to special education. Addresses etiology prevalence, characteristics, diagnosis, and treatment. Historical and legal aspects of educational programs also are addressed.

Prerequisites: SES 250 or permission of instructor. admission to the Teacher Education Program.

SES 270 Fingerspelling and Numbers in ASL 2

Provides concentrated instruction and practice in fingerspelling and numbers as used in ASL. Assists students in acquiring fluent fingerspelling ability through the use of receptive and expressive skills.

Prerequisites: SES 102 or permission of instructor.

SES 296 Study Abroad for Global Engagement: Field Experience 1

Second of three courses taken in conjunction with a UNCG Study Abroad Exchange. Online individual study focusing on the field experience and appropriate engagement in international, intercultural, and/or multicultural contexts.

Prerequisites: IGS 295. Acceptance to a UNCG Study Abroad Exchange Program;

Notes: May repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Special Programs in Liberal Studies: IGS major concentration requirements; Grade: Pass/Not Pass (P/NP); Same as IGS 296, TED 296.

SES 297 Study Abroad for Global Engagement: Re-Entry Reflections and Applications 1

Third of three courses taken in conjunction with a UNCG Study Abroad Exchange. Focus on the re-entry and re-acculturation processes and the integration of intercultural development into future contexts.

Prerequisites: IGS 296. Acceptance to a UNCG Study Abroad Exchange Program;

Notes: May repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Special Programs in Liberal Studies: IGS major concentration requirements; Grade: Pass/Not Pass (P/NP); Same as IGS 297, TED 297.

SES 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SES 305 American Sign Language: English Translation 3

A continuation of the grammatical aspects of ASL with emphasis on conceptualization. Beginning translation activities including famous quotes, speeches, pledges, and songs.

Prerequisites: PRDF or SPED or SPEL major. SES 204 or permission of instructor .

SES 306 Advanced Narrative Structures and Storytelling in American Sign Language 3

Narrative skills will be enhanced by using fairy tales and folktales to free students up to imagine, develop characters, identify basic storytelling techniques and formal presentations in ASL.

Prerequisites: SES 305 or permission of instructor .

SES 315 Assessment and Planning for Inclusive B-K Programs 4

Theoretical, practical, ethical issues in observing, assessing, and planning for young children with and without disabilities. Individualized approaches for program planning and monitoring development are integrated.

Prerequisites: HDF 211 and HDF 302. Pr. or Coreq.: SES 242;

Notes: Same as HDF 315.

SES 321 Seminar/Practicum with Deaf Students I 3

The field component of the Birth–12 Deaf and Hard-of-Hearing Teacher Preparation program; allows students to work in various settings with students who are Deaf and process these experiences in a weekly seminar.

Prerequisites: Admission to the Teacher Education Program.

SES 333 Special Projects 1-3

Guided individual study in an area of special interest to the student.

Prerequisites: Permission of faculty supervisor.

Notes: May be repeated for credit.

SES 340 Strategies for Teaching Students with Disabilities in General Education Settings 3

Provides teacher candidates with essential knowledge and skills for understanding and addressing academic and behavioral needs of students with disabilities in their classrooms.

Prerequisites: TED 250 and/or admission to the Teacher Education Program and/or permission of instructor.

SES 341 Social Emotional Competence in Inclusive Settings 3

Social, emotional, and physical environments of inclusive early childhood settings (birth to kindergarten) and their role in promoting optimal development and successful learning.

Prerequisites: HDF 211 and HDF 302. Pr. or Coreq.: SES 242;

Notes: Same as HDF 341.

SES 350 Interprofessional and Instructional Field Experience 1 2

Field component of special education teacher preparation program. Provides opportunities for teachers to apply their knowledge and skills in a variety of settings with students with disabilities.

Prerequisites: SES 250 or TED 250 or permission of instructor. admission to the Teacher Education Program;

Notes: Course is repeated for credit three times, during the first three professional semesters.

SES 351 Interprofessional and Instructional Field Experience 2 2

Field component of special education teacher preparation program. Provides opportunities for teachers to apply their knowledge and skills in a variety of settings with students with disabilities.

Prerequisites: SES 250 or TED 250 or permission of instructor. admission to the Teacher Education Program;

Notes: Course is repeated for credit three times, during the first three professional semesters.

SES 352 Interprofessional and Instructional Field Experience 3 2

Field component of special education teacher preparation program.

Provides opportunities for teachers to apply their knowledge and skills in a variety of settings with students with disabilities.

Prerequisites: SES 250 or TED 250 or permission of instructor. admission to the Teacher Education Program;

Notes: Course is repeated for credit three times, during the first three professional semesters.

SES 357 The Profession of Interpreting 3

An overview of the profession of interpreting including its history, organizations, guidelines for ethical decision-making, conduct, basic business practices, roles and responsibilities, legislative issues, health concerns, and certification requirements.

SES 360 Assessment for Exceptional Learners 3

Formal and informal assessment approaches for identification and eligibility for special education for students who access the general curriculum. Strategies for planning and evaluating programs for students receiving special education.

Prerequisites: SES 250 or TED 250, SES 252, or permission of instructor. admission to the Teacher Education Program.

SES 366 Discourse Analysis: English/American Sign Language 3

Analyzing discourse in English and American Sign Language (ASL) toward an awareness of language features. Theoretical notions underlying language are presented, discussed, and applied through feature transcription and analysis.

Prerequisites: SES 204 and SES 369.

SES 369 Linguistics of American Sign Language 3

Provides an introduction to sociolinguistics and the linguistic structures of American Sign Language including phonology, morphology, syntax, and pragmatics through lecture and analysis of native ASL users.

SES 370 American Sign Language/Deaf Literature 3

Study of literature by deaf authors and poets. Videotapes and reading selections pertaining to everyday lives of deaf people including ABC and number stories, residential stories, and ASL poetry.

Prerequisites: SES 204 or permission of instructor.

SES 378 Language Teaching Methods with Deaf Students 3

Principles and strategies for developing English language proficiency in deaf and hard of hearing students. Emphasis on integration of English instruction with academic content.

Prerequisites: 2.75 overall GPA. SES 240; admission to the Teacher Education Program or permission of instructor .

SES 396 Transition Planning and School-Based Entrepreneurship 3

This course will provide a background in transition planning for students with disabilities. Emphasis is placed on career development and transition services and entrepreneurial efforts in schools and communities.

Prerequisites: Junior standing.

Notes: Same as ENT 396.

SES 400 Perspectives on the Global Deaf Community 3

Global perspectives of deaf people in other countries including perspectives on identity, language, human rights issues, education, advocacy, and social and economic self-sufficiency.

Prerequisites: SES 204, SES 245, SES 370, and permission of instructor.

SES 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SES 401 Understanding and Teaching Students with Disabilities in Inclusive Settings 1

Legal and pedagogical understandings related to teaching students with disabilities and related special needs in general education settings. Enrollment is limited to students pursuing initial teaching licensure.

Prerequisites: Admission to the Teacher Education Program.

SES 409 Interpreting Strategies: Language Facilitation 3

Assessment, best practices, and collaboration in facilitating language learning in students who are Deaf/deaf or hard of hearing. This course will also deal with the educational interpreter's role as a member of the educational team.

Prerequisites: SES 240 or permission of instructor.

SES 411 Diagnostics and Assessment of Interpreters 2

Preparation for state and national interpreting assessments; emphasis on ethical decision-making with regard to laws, best practices, policies, and Code of Professional Conduct.

Prerequisites: Permission of instructor .

SES 425 Infants and Toddlers: Development, Learning, and Curriculum 3

Theories, principles, methods, and issues related to infant and toddler development and inclusive programs. An emphasis on integrating knowledge with skills to design, implement, and evaluate programs will be taken.

Prerequisites: HDF 211, HDF 302 or PSY 250. HDF 315 or SES 315; SES 242; 2.60 GPA; formal admission to HDFS major required;

Notes: Same as HDF 425.

SES 435 Preschool: Development, Learning, and Curriculum 3

In-depth examination of typical and atypical development of diverse preschool-age children. Integrated teaching strategies and effective inclusive learning environments will be emphasized.

Prerequisites: HDF 211. HDF 302; HDF 315 (or SES 315); SES 242; 2.50 GPA; formal admission to HDFS major;

Notes: Same as HDF 435.

SES 436 Kindergarten: Development, Learning, and Curriculum 3

In-depth examination of current policies and practices in public school kindergartens. Development of children with and without disabilities and appropriate teaching strategies in kindergarten will be emphasized.

Prerequisites: HDF 211, and HDF 302 or PSY 250. HDF 315 or SES 315; 2.60 GPA; formal admission to HDFS major required;

Notes: Same as HDF 436.

SES 440 Intro to Special Education 3

Introductory course designed to survey the field of students with disabilities. Major attention focused on characteristics of students with disabilities, free appropriate public education, and the least restrictive environment.

Prerequisites: Senior standing.

SES 445 Advocacy and Services for the Deaf 3

Overview of services, laws, demographics, and ethical issues necessary to work with deaf people in nontraditional settings.

Prerequisites: Permission of instructor .

SES 446 Working with Diverse Deaf Populations 3

Course is designed to equip professionals to work with Deaf and hard of hearing individuals with significant learning and communication challenges including deaf-blind, autism, and developmental disabilities.

Prerequisites: SES 204. PRDF major.

SES 447 Service Delivery Systems and Role Management 3

Design and delivery of school service delivery models for students with mild/moderate disabilities (e.g., general education, resource programs; co-teaching; consultation); management of exceptional children's teachers' many roles and responsibilities.

Prerequisites: SES 250 or TED 250 or permission of instructor. admission to the Teacher Education Program.

SES 451 Spoken Language Facilitation in Deaf Children 4

Assessment procedures and strategies for developing spoken language in naturalistic and school settings with children with hearing impairments.

Prerequisites: CSD 250 and SES 240. 2.75 overall GPA; admission to the Teacher Education Program .

SES 460 Home-School Partnerships for Students with Exceptional Needs 3

Focuses on the needs of parents and families as they interact with personnel in schools, including procedural safeguards for parents/families, formal and informal meetings, culturally competent interactions, and home-school communication systems.

SES 461 Internship in Teaching Students with Hearing Loss 12

Full-time supervised student teaching in one or more educational settings with deaf and hard of hearing students under direction of university supervisor. Conferences and seminars required.

Prerequisites: 2.75 overall GPA and admission to the Student Teaching Program.

SES 462 Interpreting in Educational Settings 3

Overview of the roles and responsibilities of the interpreter as a member of the educational team. Includes professional protocol, and the academic, social, and emotional implications of mainstreaming.

SES 463 Visual English Systems 3

Learn and apply various systems for visually representing English including sign-supplemented speech, oral transliterating, Cued Speech, and Visual Phonics.

SES 465 Student Teaching: Students with Mild and/or Moderate Disabilities 9

Student teaching emphasizing teaching students with mild/moderate learning disabilities in K-12 settings with university supervision. Full-time special education teaching assignment in cooperating schools for a full semester. Conferences and seminars required.

Prerequisites: Permission of department chair and admission to the Teacher Education Program.

Corequisites: SES 475.

Notes: Must have completed all major coursework and maintain at least a 3.0 GPA.

SES 466 Positive Behavior Supports for Exceptional Learners 3

Perspectives on cultural influences on school behaviors. Skills for completing functional assessment for systemic, classroom, and individual strategies using constructive therapeutic approaches to support exceptional learners in general curriculum emphasized.

Prerequisites: SES 250 and SES 252, or permission of instructor. admission to the Teacher Education Program.

SES 467 Advocacy and Services for the Deaf Internship 12

Internship component of Advocacy and Services for the Deaf concentration. Provides students with opportunities to apply knowledge and skills in working with individuals with disabilities in nontraditional educational settings in community.

Prerequisites: Permission of instructor.

SES 468 Diversity in Inclusive Early Care and Education 3

In-depth analysis of the issues, challenges, and recommended practices related to effectively serving diverse populations of young children and their families in inclusive early care and education settings.

Prerequisites: HDF 450 or HDF 460. 2.60 GPA; formal admission to HDF major or permission of instructor required;

Notes: Same as HDF 468.

SES 469 Reading Instruction for Learners with Disabilities 3

Course is designed to provide students with the instructional methodology to remediate students with disabilities through the use of direct, explicit, and systematic instructional strategies in reading.

Prerequisites: SES 250 or TED 250 or permission of the instructor. admission to the Teacher Education Program;

Corequisites: SES 469L .

SES 469L Laboratory in Mild Disabilities: Reading Instruction 1

Error analyses, practice teaching, and adapting reading materials.

A passing grade in SES 469 must also be achieved for successful completion of this course.

Prerequisites: Admission to the Teacher Education Program.

Corequisites: SES 469 .

SES 471 Teaching Exceptional Learners the General Curriculum I 3

Part of a two-course sequence for teachers of students with learning, behavioral, and mild/moderate cognitive disabilities. Provides a knowledge base for developing and managing educational programs for this population.

Prerequisites: Both SES 250 (or TED 250) and SES 252, or permission of instructor. admission to the Teacher Education Program .

SES 472 Teaching Exceptional Learners the General Curriculum II 3

Second of a two-course sequence for teachers of students with learning, behavioral, and mild/moderate cognitive disabilities. Provides a knowledge base for developing and managing general curriculum programs for this population.

Prerequisites: SES 250 (or TED 250) and SES 252 and SES 471, or permission of instructor. admission to the Teacher Education Program.

SES 475 Student Teaching Seminar: Students with Mild and/or Moderate Disabilities 3

Student Teaching Seminar for Students with Mild/Moderate Disabilities, is a corequisite course for SES 465, the student teaching course designed to prepare special education teacher candidates to teach exceptional students with mild/moderate disabilities in inclusive K-12 settings. The seminar will address specific topics related to the profession and the student teaching experience.

Prerequisites: Successful completion of all major courses and admission to the teacher education program.

Corequisites: SES 465.

SES 477 Interpreting English to ASL I 3

Develops skills in producing a linguistic and culturally equivalent ASL message from an English source message. Emphasis on discourse analysis, translation, and consecutive interpreting exercises.

Prerequisites: SES 204.

SES 478 Interpreting English to ASL II 3

Develops skills in producing a linguistic and culturally equivalent ASL message from an English source message. Emphasis is placed on simultaneous interpreting of narrative discourse and interactive interpreting.

Prerequisites: SES 477.

SES 480 Interpreting in Specialized Settings 3

Focuses on techniques, ethics, and specific terminology associated with interpreting for diverse populations within the Deaf Community. Included are mental health, medical, performing arts, religious, social services, and vocational settings.

Prerequisites: SES 204 and SES 357.

SES 481 Instructional ASL for Educating Deaf Students 3

To improve students' American Sign Language vocabulary and conceptual accuracy for a variety of content areas in the K–12 setting, and provide techniques for teaching through a bilingual instructional approach.

Prerequisites: SES 101. SES 102; SES 203; SES 204; PRDF major with Birth–12 Deaf and Hard of Hearing Teacher Licensure concentration or permission of instructor;

Notes: May be repeated for credit.

SES 483 Instructional Methods: Students with Hearing Loss 3

Strategies for facilitating deaf and hard of hearing students' acquisition of curricular content in inclusive educational settings. Emphasis on developing and implementing individualized learning plans.

Prerequisites: 2.75 overall GPA and admission to the Teacher Education Program.

SES 486 Seminar and Practicum 3

Designed to prepare students for entrance into their professional careers. Includes portfolios, resumes, invoices, interview skills, and assessment instruments. Professional Development Plans, which incorporate practicum experiences, are constructed.

Prerequisites: Permission of instructor.

SES 487 Interpreting Internship 12

Full-time supervised field experiences in a variety of settings related to the student's professional goals. Regularly scheduled conferences, seminars, and other projects are required.

Prerequisites: SES 486 and completion of Interpreting Assessment I.

SES 488 Interpreting ASL to English I 3

Develops skills in producing a linguistic and culturally equivalent English message from an ASL source message. Emphasis is placed on rehearsed and spontaneous consecutive interpreting.

Prerequisites: SES 204.

SES 495 Interpreting in Medical Settings 2

Apply principles of ASL in primary and emergency care medical settings and gain knowledge of specialized vocabulary, appropriate roles, standards of practice and ethical codes involved in medical interpreting.

Notes: Recommended for students with advanced skills in American Sign Language.

SES 496 Interpreting ASL-to-English II 3

Development of skills in producing a linguistic and culturally equivalent English message from an ASL source message. Emphasis is placed on simultaneous interpreting.

Prerequisites: SES 488.

SES 497 Interpreting in Mental Health Settings 2

Techniques specific to interpreting in mental health and substance abuse settings. Application of the demand-control schema framework and a teleological approach to ethical decision making.

Notes: Recommended for students with advanced skills in American Sign Language.

SES 498 Interpreting in Social Service Settings 2

Apply principles of American Sign Language in various social service settings and gain an understanding of the specialized vocabulary, appropriate roles, standards of practice, sensitive issues, and ethical codes involved.

SES 499 Theatrical/Artistic Uses of American Sign Language 2

Notes: Recommended for students with advanced skills in American Sign Language.

SES 540 Introduction to Special Education 3

Introductory course designed to survey the field of students with disabilities. Major attention focused on characteristics of students with disabilities, free appropriate public education, and the least restrictive environment.

SES 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SES 601 Introduction to Inclusive Birth-Kindergarten Services 3

Introduction to issues and policies in inclusive birth through kindergarten programs. Legislation, service delivery models, policy issues, family roles, and research outcomes discussed.

SES 602 Inclusive Family-Centered Practices in Early Childhood 3

Analysis of theoretical perspectives, intervention strategies, and research outcomes for young children with disabilities in inclusive settings and their families. Family-centered practices emphasized.

Prerequisites: SES 601.

SES 603 Screening/Assessment in Inclusive Early Childhood Services 3

Conceptual knowledge and practical application of screening and assessment techniques and procedures for infants, toddlers, preschoolers, and kindergartners. Report writing, IFSPs, IEPs, family assessments, and program evaluation included.

Prerequisites: SES 601, ERM 604, SES 406/HDF 606 or permission of instructor.

SES 604 Internship in Inclusive Early Childhood 6

An in-depth exploration of the principles of early childhood care and education and learning strategies for young children with and without disabilities. Field placements in BK setting are required.

Prerequisites: HDF 636, admission to BKISED program, or permission of instructor.

SES 605 Diversity and Inclusive Early Care and Education 3

In-depth analysis of issues, recommended practices, and experiences to prepare students for meeting the needs of young children from diverse populations in inclusive early care and education settings.

Prerequisites: Admission to Leadership in Early Care and Education certificate, MEd BKISED, or permission of instructor.

SES 606 Preschool-Kindergarten Learning in Inclusive Settings 4

In-depth exploration of the principles of early childhood care and education and learning strategies for preschool/kindergarten children with and without disabilities. Field placements in BK setting are required.

Prerequisites: Admission to BKISED degree program and SES 601.

Notes: Same as HDF 606.

SES 607 Infant-Toddler Learning in Inclusive Settings 4

An examination of development in infancy and toddlerhood and strategies for facilitating very young children's growth and learning in early childhood care and educational settings. Field placement required.

Prerequisites: HDF or SES major or permission of instructor.

Notes: Same as HDF 607.

SES 610 Ecologically Based Instruction 3

This course will enable the participant to identify psychological, physical, educational, medical, behavioral, and learning characteristics and needs of students with disabilities.

SES 611 Universal Design for Learning 3

Content includes strategies for developing curriculum and instructional techniques for teaching students with disabilities, including vocational/career assessment and individualized programs integrating family, agencies, and business.

SES 612 Transition Across the Age-Span 3

Course content focuses on implementing transition programs from school to career and daily living for students with disabilities, including vocational/career assessment and individualized programs integrating family, agencies, and business.

SES 640 Policies and Procedures in Special Education 3

Detailed study of federal and North Carolina policies and procedures that ensure that students with disabilities receive a free appropriate public education in the least restrictive environment.

SES 641 Assessment in Special Education 3

Provides a knowledge base, guided practice, and practical application of assessment practices for making eligibility and instructional planning decisions for students with disabilities, with emphasis on authentic assessment practices.

Notes: For special education majors.

SES 642 Reading Instruction 3

Emphasizes systematic, explicit practices for teaching essential skills in phonemic awareness, emergent literacy, the alphabetic principle, fluency, vocabulary, and reading comprehension to students with disabilities.

SES 643 Special Education Trends/Issues 3

Explores critical issues and strategies in developing, implementing, evaluating, and financing programs and services for students with disabilities.

SES 645 Advanced Seminar: Special Education 3

Research and current issues in the psychology and education of students with disabilities.

Notes: May be repeated for credit when topic varies.

SES 647 Collaboration and Leadership 3

Provides a knowledge base, guided practice, and practical application of consultation skills and consultation-based services needed for implementing effective instructional programs for students with disabilities.

Notes: For special education majors.

SES 649C Practicum in Special Education 4-6

Eight or ten weeks of supervised experience in inclusive early childhood education settings designed to offer opportunities for practice of skills and professional development within program goals.

Prerequisites: Core courses and permission of program coordinator.

SES 650 Independent Study 1-3

Topic to be determined by faculty advisor and student.

Prerequisites: Admission to appropriate degree program or permission of instructor and major advisor.

SES 652 Writing Instruction 3

Emphasizes Universal Design for Learning, systematic and explicit practices for teaching written language skills to students with disabilities using evidence and research based practices.

SES 656 Math and Science Instruction 3

Addresses broad array of evidence-based instructional strategies for working with students with disabilities to teach math and science.

Prerequisites: Pr. or Coreq.: SES 655.

SES 658 Positive Behavior Supports 3

Addresses broad array of instructional strategies for working with students with disabilities using contemporary educational and therapeutic practices to address instructional as well as social/emotional needs.

SES 659 Behavior Management 3

Concepts, skills, and practices for understanding and using principles of behaviorism in the education of students.

SES 661 Student Teaching: Special Education 3-6

Supervised experience in a variety of classroom or other public school settings and related seminar emphasizing the design and delivery of best-practices services and instruction to students with disabilities.

Notes: May be repeated for credit. Grade: Satisfactory/Unsatisfactory (S/U).

SES 662 Assistive Technology for Inclusive Education 3

Overview of assistive technology in meeting the educational goals of individuals with disabilities. Includes experiences with devices and services associated with assistive technology and instructional technology.

SES 688 Contemporary Problems Seminar 1-3

Specific course title identified each semester by subscript (e.g., Contemporary Problems Seminar: Issues in Professional Negotiations). May be repeated for credit when topic varies.

SES 711B EC:Teacher Ldrshp for Inclsn 3

This course provides Dale Carnegie's (DC) "Emerging Teacher Leaders" Training that consists of a curriculum that focuses on three intentional developmental foci: leading oneself, leading others, and communicating leadership.

SES 747 Seminar in Special Education 3

Current trends and issues in the field of special education. May be repeated for a total of nine semester hours credit when topic varies.

SES 749 Internship in Specialized Education 3

Directed internship in an advanced leadership position related to the chosen area of specialization in which the knowledge base is integrated with the profession.

Prerequisites: Admission to PhD in special education and permission of instructor.

Notes: May be repeated for credit.

SES 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SES 753 Issues and Trends in Special Education 3

This seminar is designed to provide doctoral students with opportunities to explore current issues and trends in special education within the broader context of education, society, and history.

Prerequisites: Admission to PhD in special education or permission of instructor.

SES 755 Critical Review of Special Education Literature 3

This seminar is designed to provide doctoral students with opportunities to critically analyze professional literature and grant proposals; and write literature reviews for publication, dissertation and research.

Prerequisites: Admission to PhD in special education or permission of instructor.

SES 757 School Reform and Leadership in Special Education 3

This seminar addresses the research and professional literature related to changing schools to improve academic and behavior outcomes for all students.

Prerequisites: Admission to PhD in special education or permission of instructor.

SES 758 History and Future of Specialized Education 3

Overview of the history of special education with implications for facilitation of more effective practice in the field.

Prerequisites: Admission to PhD in special education or permission of instructor.

SES 759 Grant Writing in Special Education 3

As future leaders in the field, doctoral students will be charged with securing funding for programs/research. The purpose of this course is to help students develop grant-writing skills.

Prerequisites: Admission to PhD in special education or permission of instructor.

SES 760 Single Subject Research Design 3

Understanding the rationale, purpose, design, analysis and implementation of single subject research. Implementation within classroom settings will be discussed.

Prerequisites: Admission to PhD in special education or permission of instructor.

SES 761 Coaching and Supervision of Teaching & Learning 3

This course provides opportunities for doctoral students to develop a knowledge base in coaching and supervision. Topics include: coaching models, supervisory approaches, professionalism, and methods for giving and receiving feedback.

Prerequisites: Admission to PhD in special education or permission of instructor.

SES 763 College Teaching & Adult Learning Theory 3

This course will prepare doctoral students for teaching at the collegiate level. Topics include: adult learning, course design, professional and ethical issues in teaching, and evidence-based approaches to teaching.

Prerequisites: Admission to PhD in Specialized Education or permission of instructor.

SES 775 Directed Research 3

Individual work on dissertation or research problems, including literature analysis, critical review, data analysis, and integration; or completion of a pilot study in preparation for the dissertation.

Prerequisites: Admission to PhD in special education and permission of instructor.

Notes: May be repeated once for credit.

SES 790 Independent Doctoral Study 1-3

Advanced guided readings, research, and individual project work under the direction of a graduate faculty member.

Prerequisites: Admission to PhD in special education and permission of instructor.

Notes: May be repeated for credit.

SES 799 Dissertation 1-12

Individual direction in the development and execution of the doctoral dissertation.

Prerequisites: Admission to candidacy for the PhD in special education and permission of instructor.

SES 802 Dissertation Extension 1-3

Dissertation Extension.

SES 803 Research Extension 1-3

Statistics (STA)

STA 108 Elementary Introduction to Probability and Statistics 3

Survey of statistics intended for undergraduates in any discipline. Graphical displays, numerical measures, relationships between variables, elements of good data collection. Basic probability, introduction to inferential techniques including confidence intervals and significance testing. Emphasis on statistical literacy.

GE Core: GMT

Notes: May not be taken for credit by students who have received credit for ECO 250 or ECO 350 or who are concurrently enrolled in ECO 250. Students may not earn credit for both RCO 114 and STA 108.

STA 271 Fundamental Concepts of Statistics 3

Survey of basic descriptive and inferential statistics. Graphs and descriptive measures, simple linear regression and correlation, data collection, basic probability and probability models, interval estimation and significance testing, analysis of variance, use of statistical software. An appropriate preparation for more advanced statistics courses in any discipline.

Prerequisites: Minimum grade of C in MAT 115 or MAT 150 or MAT 151 or MAT 190 or MAT 191 or STA 108. or permission of department.

STA 290 Introduction to Probability and Statistical Inference 3

Introduction to probability models and statistical inference. Descriptive statistics, basic probability laws, discrete and continuous probability models, sampling distributions, central limit theorem, estimation, hypothesis testing, simple regression, and correlation.

Prerequisites: Minimum grade of C (2.0) or concurrent registration in MAT 292. or permission of instructor .

STA 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

STA 301 Statistical Methods 3

Two-group comparisons, simple and multiple regression, one and two factor ANOVA, categorical data analysis, nonparametric methods.

Prerequisites: Minimum grade of C (2.0) in either STA 271 or STA 290. or permission of instructor.

STA 352 Statistical Inference 3

Descriptive and inferential statistics. Emphasis on sampling distributions; theory of estimation and tests of hypotheses, linear hypothesis theory, regression, correlation and analysis of variance.

Prerequisites: Grade of at least C in STA 290 or permission of instructor .

STA 382 Introduction to Sampling Methods 3

Designing survey instruments; estimation of population mean, total, and proportion using simple random, stratified, systematic, and cluster sampling; other sampling techniques such as pps sampling and randomized response methods.

Prerequisites: Minimum grade of C (2.0) in STA 301. or permission of instructor .

STA 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

STA 431 Introduction to Probability 3

Events and probabilities (sample spaces), dependent and independent events, random variables and probability distribution, expectation, moment generating functions, multivariate normal distribution, sampling distributions.

Prerequisites: Grade of at least C in STA 290 and MAT 293 or permission of instructor.

STA 432 Introduction to Mathematical Statistics 3

Point estimation, hypothesis testing, confidence intervals, correlation and regression, small sample distributions.

Prerequisites: Grade of at least C in STA 431 or permission of instructor.

STA 435 Theory of Linear Regression 3

Linear regression, least squares, inference, hypothesis testing, matrix approach to multiple regression. Estimation, Gauss-Markov Theorem, confidence bounds, model testing, analysis of residuals, polynomial regression, indicator variables.

Prerequisites: Grade of at least C in STA 352 and MAT 310, or STA 662, or permission of instructor.

STA 440 SAS System for Statistical Analysis 1

Creating, importing, and working with SAS data sets. Using SAS procedures for elementary statistical analysis, graphical displays, and report generation.

Prerequisites: STA 271 or STA 290 or similar introductory statistics course.

STA 442 Statistical Computing 3

Statistical methods requiring significant computing or specialized software. Simulation, randomization, bootstrap, Monte Carlo techniques; numerical optimization. Extensive computer programming involved. This course does not cover the use of statistical software packages.

Prerequisites: Minimum grade of C (2.0) in STA 301. knowledge of a scientific programming language.

STA 445 Nonparametric Statistics 3

Introduction to nonparametric statistical methods for the analysis of qualitative and rank data. Binomial test, sign test, tests based on ranks, nonparametric analysis of variance, nonparametric correlation and measures of association.

Prerequisites: Grade of at least C in STA 352 or STA 662. or permission of instructor.

STA 465 Analysis of Survival Data 3

Methods for comparing time-to-event data, including parametric and nonparametric procedures for censored or truncated data, regression model diagnostics, group comparisons, and the use of relevant statistical computing packages.

Prerequisites: STA 301 or STA 352. or permission of instructor.

STA 481 Introduction to Design of Experiments 3

Planning and analysis of experimental and observational studies. Completely randomized, blocked, split-plot, and repeated measures designs. Factorial arrangements and interaction. Power and sample size calculation.

Prerequisites: Minimum grade of C (2.0) in STA 301. or permission of instructor.

STA 482 Introduction to Time Series Models 3

Estimation/removal of trend and seasonality, introduction to stationary stochastic processes, fitting ARMA/ARIMA models, forecasting techniques, miscellaneous topics, and introduction to a time series modeling software package.

Prerequisites: STA 352 or permission of instructor.

STA 491 Actuarial Exam Preparation Seminar 1

Topics vary according to interest and demand. Intended to help prepare for the P/1, FM/2, or MLC exam.

Prerequisites: STA 431 or STA 687 or permission of instructor.

Notes: One credit maximum. May be repeated; Grade: Pass/Not Pass (P/NP).

STA 493 Directed Study in Statistics 1-3**STA 494 Directed Study in Statistics 1-3****STA 571 Statistical Methods for Research I 3**

Introduction to statistical concepts. Basic probability, random variables, the binomial, normal and student's t distributions, hypothesis tests, confidence intervals, chi-square tests, introduction to regression, and analysis of variance.

Notes: Hours do not count toward degree requirements for a mathematics major.

STA 572 Statistical Methods for Research II 3

Statistical methodology in research and use of statistical software. Regression, confidence intervals, hypothesis testing, design and analysis of experiments, one-and two-factor analysis of variance, multiple comparisons, hypothesis tests.

Prerequisites: STA 571 or permission of instructor.

STA 593 Directed Study in Statistics 1-3**STA 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

STA 631 Introduction to Probability 3

Events and probabilities (sample spaces), dependent and independent events, random variables and probability distribution, expectation, moment generating functions, multivariate normal distribution, sampling distributions.

Prerequisites: Grade of at least C in STA 290 and MAT 293 or permission of instructor.

STA 632 Introduction to Mathematical Statistics 3

Point estimation, hypothesis testing, confidence intervals, correlation and regression, small sample distributions.

Prerequisites: Grade of at least C in STA 551 or permission of instructor.

STA 635 Theory of Linear Regression 3

Linear regression, least squares, inference, hypothesis testing, matrix approach to multiple regression. Estimation, Gauss-Markov Theorem, confidence bounds, model testing, analysis of residuals, polynomial regression, indicator variables.

Prerequisites: Grade of at least C in STA 352 and MAT 310, or STA 662, or permission of instructor.

STA 640 SAS System for Statistical Analysis 1

Creating, importing, and working with SAS data sets. Using SAS procedures for elementary statistical analysis, graphical displays, and report generation.

Prerequisites: STA 271 or STA 290 or similar introductory statistics course.

STA 642 Statistical Computing 3

Statistical methods requiring significant computing or specialized software. Simulation, randomization, bootstrap, Monte Carlo techniques; numerical optimization. Extensive computer programming involved. This course does not cover the use of statistical software packages.

Prerequisites: Minimum grade of C (2.0) in STA 301. knowledge of a scientific programming language.

STA 645 Nonparametric Statistics 3

Introduction to nonparametric statistical methods for the analysis of qualitative and rank data. Binomial test, sign test, tests based on ranks, nonparametric analysis of variance, nonparametric correlation and measures of association.

Prerequisites: Grade of at least C in STA 352 or STA 662. or permission of instructor.

STA 651 Mathematical Statistics 3

Requisite mathematics; distribution and integration with respect to a distribution. Theory of random variable and probability distributions. Sampling distributions, statistical estimation, and tests of significance. Random processes. Numerical examples.

Prerequisites: STA 352 and either MAT 394 or MAT 395 or MAT 595.

STA 652 Mathematical Statistics 3

Requisite mathematics; distribution and integration with respect to a distribution. Theory of random variable and probability distributions. Sampling distributions, statistical estimation, and tests of significance. Random processes. Numerical examples.

Prerequisites: STA 352 and either MAT 394 or MAT 395 or MAT 595.

STA 655 Applied Probability Models 3

An introduction to Markov chains, Poisson processes, renewal processes, Brownian motion, and survival models. Examples drawn from applied field such as engineering, management, finance, and sciences.

Prerequisites: STA 551, or permission of instructor.

STA 661 Advanced Statistics in the Behavioral and Biological Sciences I 3

Statistical techniques and design considerations for controlled experiments and observational studies. Exploratory data analysis, elementary probability theory, principles of statistical inference, contingency tables, one-way ANOVA, bivariate regression and correlation.

Prerequisites: STA 271 or an equivalent introductory statistics course.

STA 662 Advanced Statistics in the Behavioral and Biological Sciences II 3

Continuation of STA 661. Multiple regression and correlation, analysis of covariance, factorial ANOVAs, randomized block designs, multiple comparisons, split-plot designs, repeated measures.

Prerequisites: STA 661 or permission of instructor.

STA 665 Analysis of Survival Data 3

Methods for comparing time-to-event data, including parametric and nonparametric procedures for censored or truncated data, regression model diagnostics, group comparisons, and the use of relevant statistical computing packages.

Prerequisites: STA 301 or STA 352. or permission of instructor.

STA 667 Statistical Consulting 1

Statistical consultation on a doctoral or master's research. Access to the Statistical Consulting Center. Students are required to attend the initial class meeting during the beginning of the semester.

Prerequisites: Permission of instructor.

Notes: Credit is not applicable to a graduate plan of study. Grade: Satisfactory/Unsatisfactory (S/U).

STA 668 Consulting Experience 1

Development of consulting skills through reading and discussion of literature on statistical consulting and participation in statistical consulting sessions.

Prerequisites: STA 662 or permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

STA 670 Categorical Data Analysis 3

Methods for analyzing dichotomous, multinomial and ordinal responses. Measures of association; inference for proportions and contingency tables; generalized linear models including logistic regression and loglinear models.

Prerequisites: STA 662 or permission of instructor.

STA 671 Multivariate Analysis 3

Multivariate normal distribution. Cluster analysis, discriminant analysis, canonical correlation, principal component analysis, factor analysis, multivariate analysis of variance. Use and interpretation of relevant statistical software.

Prerequisites: ERM 680 and ERM 681, or STA 573, or STA 662, or permission of instructor.

STA 673 Statistical Linear Models I 3

Abstract vector spaces, inner product spaces, projections, the Spectral Theorem, least squares, multiple regression, ANOVA, multiple comparisons, data analysis.

Prerequisites: STA 352 and MAT 310 or permission of instructor.

STA 674 Statistical Linear Models II 3

Abstract vector spaces, inner product spaces, projections, the Spectral Theorem, least squares, multiple regression, ANOVA, multiple comparisons, data analysis.

Prerequisites: STA 352 and MAT 310 or permission of instructor.

STA 675 Advanced Experimental Design 3

Topics include factorials and fractional factorials, incomplete block designs, split-plot and repeated measures, random and mixed effects models, crossover designs, response surface designs, power analysis.

Prerequisites: STA 662 or permission of instructor.

STA 676 Sample Survey Methods 3

Survey methods for students from any discipline. Random, stratified, cluster, multi-stage and other sampling schemes. Estimation of population means, variances, and proportions. Questionnaire design and analysis.

Prerequisites: STA 352 or STA 572 or STA 662 or permission of instructor.

STA 677 Advanced Topics in Data Analysis and Quantitative Methods 3

Topics vary according to interest and demand. Quantitative methods not normally covered in detail in other statistics courses. Topics may be selected from psychometrics, econometrics, biometrics, sociometrics, quantitative epidemiology.

Prerequisites: STA 662.

STA 682 Theory of Time Series 3

Examples of time series; objectives in time series modeling; theory and applications of linear and non-linear time series models; ARMA/ARIMA/ARCH/GARCH models; time series modeling using computer packages.

Prerequisites: STA 551 or STA 651, or permission of instructor.

STA 690 Graduate Seminar 1

Development of presentation skills through reading, discussions, and presentation of current research topics in applied statistics.

Prerequisites: STA 662 or permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

STA 691 Actuarial Exam Preparation Seminar 1

Topics vary according to interest and demand. Intended to help prepare for the P/1, FM/2, or MLC exam.

Prerequisites: STA 551 or STA 687 or permission of instructor.

Notes: One credit maximum. May be repeated; Grade: Pass/Not Pass (P/NP).

STA 698 Project in Statistics 3

Directed research project in statistics.

Prerequisites: Permission of instructor.

Notes: Grade: Satisfactory/Unsatisfactory (S/U).

STA 699 Thesis 1-6**STA 701 Seminar in Computational Statistics 3**

Readings from the literature in Computational Statistics.

Prerequisites: Either STA 651, and STA 652, or STA 676; or permission of instructor;

Notes: May be repeated up to 9 hours as topics vary.

STA 703 Topics in High Dimensional Data Analysis 3

Advanced study in special topics in statistical data analysis with large scale data sets. The course may be repeated up to 9 hours as topics vary.

Prerequisites: STA 562, STA 673, or permission of instructor.

Corequisites: STA 674.

STA 709 Topics in Computational Statistics 3

Advanced study in special topics in Computational Statistics.

Prerequisites: STA 552 or STA 652 or permission of instructor.

Notes: May be repeated for credit.

STA 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

STA 801 Thesis Extension 1-3

Thesis Extension.

STA 803 Research Extension 1-3

Strong College (STR)

STR 301 Strong College Tutorial 1

A small number of Strong College students meet with a faculty member to explore an agreed upon topic. Faculty member will guide the discussion.

Prerequisites: Students must be members of Strong College.

Notes: May be repeated for 3 hours of credit.

Supply Chain Management (SCM)

SCM 206 Logistics and Transportation Management 3

Microanalysis of logistics and transportation services including customer service, distribution operations, and purchasing. Topics include customer service operations, order processing, facility design and operations, carrier selection, transportation costing and negotiation.

Prerequisites: ISM 110, ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP major; or permission of the instructor.

SCM 260 Essentials of Enterprise Requirements Planning (ERP) 3

Provides an overview of enterprise systems and supply chain business processes. It will introduce students to how enterprise systems are used to manage supply chains and make effective business decisions

Prerequisites: ISM 110.

SCM 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SCM 302 Operations Management 3

Survey of the operations functions of organizations with emphasis on design and control decisions. Qualitative and quantitative problem-solving methods used to enhance managerial competence in the operations functions.

Prerequisites: Junior standing. ISM 110; ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP major.

SCM 304 Managing and Organizing Projects 3

An introduction to modern methods for defining, planning, managing, and controlling large projects. Computer software and network modeling are used to support the efficient scheduling of interdependent activities.

Prerequisites: Major in ACCT, BADM, CARS, ECON, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

SCM 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SCM 402 Logistics and Supply Chain Management 3

Roles of distribution and materials management in operations. Topics include inventory and distribution management, purchasing, logistics and supply chain management. Appropriate software used to facilitate decision-making.

Prerequisites: ECO 250. ACCT, BADM, CARS, ENTR, FINC, INTB, ISSC, MKTG, or STHP major; or permission of the instructor.

SCM 411 Undergraduate Internship in Supply Chain Management 1-3

Campus monitored, supervised internship experiences in organizations that involve the application of supply chain and operational analysis and methods and the development of professional skills in the field of study. Internships may be either paid or voluntary and must include a minimum of 50 supervised internship hours per one credit hour earned.

Prerequisites: Minimum 2.50 GPA. ISSC major with a Supply Chain Management concentration and permission of instructor.

SCM 432 Supply Chain Management Project 3

Semester-long project involving Supply Chain Management topics. Activities will include project planning, assessment and implementation planning, application of SCM knowledge and critical thinking to real world problems.

Prerequisites: Any two of the following courses: SCM 206, SCM 302, or SCM 402. ISSC major.

SCM 498 Independent Study 1-3

Individual study of issues and problems in supply chain management. May include certification components and instruction. Students must arrange time and course requirements with instructor prior to registration.

Prerequisites: Permission of instructor, senior standing, and approval of written plan of study prior to registration.

Notes: May be repeated for a total of 6 semester hours with approval of department head.

SCM 499 Problems in Supply Chain Management 3

Group study and research with class discussion covering current supply chain management topics. Student teams interact with local firms via company projects.

Prerequisites: Permission of instructor.

Notes: May be repeated for a total of 6 semester hours with approval of department head.

SCM 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

SCM 650 Principles of Supply Chain Management 3

This course presents core knowledge related to supply chain management. It provides insight into the complex, cross-functional elements of demand and supply planning and execution in a global environment.

SCM 651 Analytics for Logistics and Distribution Management 3

Course will focus on the analytic tools to make decisions related to logistics and distribution management. Topics will include demand management, sales and operations planning, network design, and location analysis.

SCM 652 Strategic Cost, Procurement, and Supply Chain Finance 3

Overview of strategic cost management and procurement in the supply chain; tactics in effective management of the procurement process and total cost of ownership; management of total supply chain costs.

SCM 678 Project Management for Dynamic Environments 3

Modern methods of defining, planning and executing large scale projects. Computer software and network models are used to support the efficient scheduling of interdependent activities.

SCM 680 Independent Study in Supply Chain Management 3

Explore in-depth contemporary issues of relevance and interest to the student under the guidance of a faculty member.

Prerequisites: Admission to the graduate certificate in Supply Chain, Logistics and Transportation Management (SCLTM).

SCM 682 Executive Mentorship in Supply Chain Management 3

Students in the experimental learning course interact with instructor and mentor to gain in-depth knowledge related to supply chains, logistics and transportation. The mentor is an executive within the industry.

Prerequisites: Admission to the graduate certificate in Supply Chain, Logistics and Transportation Management (SCLTM).

Notes: May be repeated for a maximum of 6 credits.

SCM 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

Sustainable Tourism/Hospitality (STH)

STH 200 Introduction to Sustainable Development 3

Explores the social, environmental, and economic dimensions of sustainable development; introduces sustainable development concepts and challenges; prepares students for the application of these concepts in functional business topics.

STH 201 Corporate Social Responsibility and Change Management 3

Students explore how stakeholders define, measure, and assign value to corporate efforts in social responsibility. Skill development in managing change and innovation, stakeholder partnerships, social media, and volunteerism.

STH 231 Tourism, Cultures, and Places 3

A study of tourism as a vehicle for increasing understanding of cultural differences and spatial interaction within and between different ethnic, linguistic, and religious groups across the world.

GE Marker: GN

STH 251 Multicultural Issues in Hospitality and Tourism 3

Multicultural and global issues in hospitality and tourism. Historical, socioeconomic, cultural, and linguistic variables impacting tourism and hospitality marketing, operations, and human resources. Study of selected Western and non-Western cultures.

GE Marker: GL

STH 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

STH 310 Hotel Operations 3

Exploration of hotel management from a sustainability perspective. Topics include revenue-management, forecasting, budgeting, measuring operational and employee performance, ethics, and property management technology.

Prerequisites: ACC 201.

STH 311 Sustainable Food and Beverage 3

Explores the evolution of food and beverage as a commodity; ethical issues of industrializing and globalizing foodservice systems; strategies for successfully incorporating sustainability and ecogastronomy into commercial food and beverage operations.

STH 312 Greening Hotel Facilities 3

Focuses on the how and why of matching facility design to operational goals. Students learn to communicate functional goals from an operator's viewpoint to design and engineering professionals.

STH 313 Revenue Management 3

Applies economic principles of demand and supply to sustainable hotel and resort revenue management; addressing sources of revenue, inventory control, pricing decisions, customer relationships, and strategic partnerships.

Prerequisites: ECO 201, MAT 115 or higher.

STH 331 Sustainable Tourism and Transportation 3

Explores transportation networks utilized by the global tourism sector; their social, economic, and environmental dimensions, associated trends, associated negative impacts and resource usage, and opportunities for planning sustainable transportation networks.

Notes: Same as GES 331.

STH 332 Sustainable Destination Planning and Management 3

Introduction to the management of sustainable tourism destinations. Students will be exposed to the entire destination management process including basic concepts, planning, development, management, and marketing of sustainable tourism.

STH 338 Global Franchising 3

This course introduces the student to opportunities in franchising including becoming a franchisee or franchisor.

GE Marker: GL

Prerequisites: ACC 201 or ENT 200/FIN 200.

Notes: Same as ENT 338, BUS 338.

STH 354 Restaurant Entrepreneurship 3

Students will explore the role of entrepreneurship in the hospitality and tourism industry, determine risks and rewards of self-employment, and develop business concepts based on the hospitality and/or tourism skill set.

Prerequisites: Junior or senior standing.

Notes: Same as ENT 354.

STH 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

STH 401 Hotel and Travel Services Sales and Marketing 3

Explores marketing of tourism and hospitality services with an emphasis on matching tourism and hospitality products to visitor demand, while achieving organizational sustainability objectives.

Prerequisites: STH 332 or MKT 320.

STH 417 Internship in Hospitality and Tourism Management 12

This internship enables STHP students to gain valuable work experience within the hospitality industry. 480 supervised clock hours required for completion of this 12-credit course.

Prerequisites: STHP major.

STH 433 Business Tourism 3

This course explores business tourism with a particular focus on travel involving Meetings, Incentives, Conventions/Conferences, and Exhibits (MICE). It prepares students to plan and execute MICE tourism.

STH 445 Community-Based Sustainable Tourism Planning 6

Theory and practical applications of tourism planning, which includes market analysis, infrastructure proposal and development, and implementation strategies. International travel required.

Prerequisites: Minimum 2.0 GPA.

Notes: May be repeated once for credit.

STH 451 Service Management 3

Integration of service systems management, human behavior, and marketing in the creation, delivery, and assurance of service quality and customer service.

Notes: Same as ENT 451, CTR 451.

STH 459 Independent Study in Sustainable Tourism and Hospitality 1-3

Independent research experience conducted by individual students under the supervision of a selected program faculty member.

Prerequisites: STHP major and department approval.

Notes: May be repeated once for a total of 6 s.h.

STH 473 Wine Appreciation for the Hospitality Professional 3

Introduction to the critical pairing of wine and food in hospitality venues. Topics include history, geography, economics, health, and legal issues associated with wine.

Notes: Must be 21 years old or older.

STH 491 Tourism and Hospitality Strategic Management 3

A capstone case course where students utilize the integration of knowledge and skills, acquired throughout their course work, through the strategic management process to address issues facing tourism and hospitality organizations.

Prerequisites: STHP major. Senior standing.

Teacher Education (TED)

TED 198 Freshman Teaching Fellows Seminar I 1

This course is designed to assist first-year Teaching Fellows into the academic and social systems of higher education and provide an introduction to the field of public school education.

Prerequisites: North Carolina Teaching Fellow.

TED 199 Freshman Teaching Fellows Seminar II 1

This course is designed to assist first-year Teaching Fellows into the academic and social systems of higher education and provide an introduction to the field of public school education.

Prerequisites: North Carolina Teaching Fellow.

TED 222 Mathematics for Teaching 3

Focuses on the mathematical understanding needed for elementary grades mathematics instruction as related to K–5 learners. Content emphases include number and operations, algebra, and data analysis and probability.

Prerequisites: MAT 115 or higher.

TED 223 Mathematics for Teaching Middle Grades 3

This course explores the mathematical content of middle school mathematics: numbers and operations, algebra, measurement, statistics, probability, and geometry. It is structured to build students' conceptual understanding of mathematics.

Prerequisites: TED 222. MDED major.

TED 224 English Language Arts Concepts for Middle Grades Teachers 3

The course addresses foundational concepts in middle school English language arts, including the cultural and historical contexts of adolescent literature; genre, form, and literary analysis; writing processes; and grammar essentials.

Prerequisites: MDED major. Admission to the Teacher Education Program.

TED 250 Teaching as a Profession 3

A study of traditional and contemporary perspectives on teaching and learning; analysis of contemporary educational issues from teachers' perspectives; exploration of personal needs and goals in relation to teaching. Field experience in schools required.

TED 275 Professional Development Schools 9

Placeholder course for Elementary and Middle Grades Education students (undergraduates) who apply for admission to the Teacher Education major in the spring and early summer.

TED 296 Study Abroad for Global Engagement: Field Experience 1

Second of three courses taken in conjunction with a UNCG Study Abroad Exchange. Online individual study focusing on the field experience and appropriate engagement in international, intercultural, and/or multicultural contexts.

Prerequisites: IGS 295. Acceptance to a UNCG Study Abroad Exchange Program;

Notes: May be repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Special Programs in Liberal Studies: IGS major concentration requirements; Grade: Pass/Not Pass (P/NP); Same as IGS 296, SES 296.

TED 297 Study Abroad for Global Engagement: Re-Entry Reflections and Applications 1

Third of three courses taken in conjunction with a UNCG Study Abroad Exchange. Focus on the re-entry and re-acculturation processes and the integration of intercultural development into future contexts.

Prerequisites: IGS 296. Acceptance to a UNCG Study Abroad Exchange Program;

Notes: May be repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Special Programs in Liberal Studies: IGS major concentration requirements; Grade: Pass/Not Pass (P/NP); Same as IGS 297, SES 297.

TED 298 Sophomore Teaching Fellows Seminar I 1

This course is designed to assist sophomore Teaching Fellows in exploring their beliefs about teaching with emphasis on cultural, legal, and ethical dimensions of teaching in schools.

Prerequisites: North Carolina Teaching Fellow .

TED 299 Sophomore Teaching Fellows Seminar II 1

This course is designed to assist sophomore Teaching Fellows in exploring their beliefs about teaching with emphasis on cultural, legal, and ethical dimensions of teaching in schools.

Prerequisites: North Carolina Teaching Fellow .

TED 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

TED 320 Language Arts Education 3

Curriculum and teaching strategies in the Language Arts with emphasis on the interrelatedness of all language processes: reading, writing, listening, and speaking.

Prerequisites: ELED or ELSP major.

TED 335 Language Foundations for Teachers 3

Introductory study of the components of English phonology, morphology, semantics, syntax, and sociolinguistics with a special emphasis on the K-12 classroom application of this knowledge.

Prerequisites: MDED major.

TED 350 Internship I: Inquiry in Teaching and Learning 3

Supervised in-school internship and on-campus seminar focused on applying research-based principles from educational psychology and classroom management to teaching and learning.

Prerequisites: ELED, MDED, or SPEL major.

TED 360 Integrating the Social Studies in Elementary Grades 3

An examination of curriculum, instruction, and learning in K-6 social studies education. Emphases include development of the social studies; curricular principles and components; teaching strategies; and learner outcomes.

Prerequisites: ELED or ELSP major.

TED 370 Science Education in the Elementary School 3

Curriculum and teaching techniques in science for undergraduate prospective elementary school teachers (K-6) with emphasis on problem solving and critical thinking abilities.

Prerequisites: ELED or ELSP major.

TED 375 Internship II: Inquiry in Teaching and Learning 3

Supervised in-school internship and on-campus seminar focused on applying research-based principles from educational psychology and classroom management to teaching and learning.

Prerequisites: ELED major.

TED 380 Mathematics Education 3

Provides for the development of knowledge and skills necessary to prepare students to teach mathematics in elementary/middle school classrooms.

Prerequisites: ELED, ELSP, or MDED major.

TED 398 Junior Teaching Fellows Seminar I 1

This course is designed to assist junior Teaching Fellows in exploring the community aspects of teaching to diversity.

Prerequisites: North Carolina Teaching Fellow .

TED 399 Junior Teaching Fellows Seminar II 1

This course is designed to assist junior Teaching Fellows in exploring the community aspects of teaching to diversity.

Prerequisites: North Carolina Teaching Fellow.

TED 400 Internship III: Inquiry in Teaching and Learning 3

Supervised in-school internship and on-campus seminar focused on multicultural education teaching to diversity, and understanding the classroom as culture.

Prerequisites: ELED or SPEL major.

TED 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

TED 401 Child and Adolescent Development and Learning 1

Definitions and content of theories of development and learning. Enrollment is limited to students who are pursuing initial teacher licensure.

Prerequisites: Admission to the Teacher Education Program.

TED 402 Student Engagement in the Classroom 1

Environmental and interpersonal factors in effective classroom management. Enrollment is limited to students who are pursuing initial teacher licensure.

Prerequisites: Admission to the Teacher Education Program.

TED 403 Teaching English Learners with Diverse Abilities 1

Cultural, legal, and pedagogical understandings related to teaching English learners with diverse abilities in general education classrooms. Enrollment is limited to students pursuing initial teaching licensure.

Prerequisites: Admission to the Teacher Education Program.

TED 406 Institutes in Education 1-3

Practicum or workshop experiences to focus on issues, problems, or approaches in the profession.

Notes: Grade: Satisfactory/Unsatisfactory (S/U). Students may apply no more than three (3) s.h. of this course to any degree program.

TED 416 Emergent Literacy and Literature 3

Explores emergent literacy development from birth to age 5 and investigates the role that texts play in young children's development.

TED 420 Reading Education 3

Curriculum and teaching strategies with emphasis on reading/writing connections, corrective reading, and differentiated instruction.

Prerequisites: Admission to Elementary Education or dual major in Elementary and Special Education.

TED 421 Reading Education in the Middle Grades 3

This course examines who middle grades struggling readers are, what challenges content learning may present them, and how content area teachers can address the diverse literacy needs of students.

Prerequisites: MDED major.

TED 423 Legal, Historical, and Cultural Issues in ESL 3

Exploration of legal and historical bases of English as a Second Language. Analysis of differences among home and school cultures, especially related to language.

Prerequisites: Standard Professional I License in another area or permission of instructor.

TED 425 Dual Language Instructional Practice 3

This course focuses on teaching in a dual language classroom setting including instructional methods as well as a theoretical framework that supports bilingualism and biliteracy practices.

Prerequisites: Permission of instructor.

TED 428 Advanced Methods in the Elementary Grades 3

Advanced study of methods for teaching, integrating, differentiating, and assessing a specific discipline in the elementary education curriculum. Content area will coincide with team focus.

Prerequisites: Satisfactory standing in Elementary Teacher Education or dual major in Elementary and Special Education.

TED 430 Middle Grades Language Arts 3

Course develops competencies in middle grades language arts instruction as related to adolescent learners. Emphases include practical and theoretical attention to best-practices, curriculum, assessment, and standards of practice.

Prerequisites: MDED major.

TED 435 Literacy in the Content Area 3

Designed to prepare middle grades, secondary, and special subject or content area teachers to work with students who exhibit a variety of reading and writing levels.

Prerequisites: Admission to the Teacher Education or M.Ed. Program.

TED 442 Teaching and Learning in the Middle Grades 3

Students will explore the developmental needs of early adolescents, analyze educational practices designed to meet those needs and investigate issues identified in internship experiences.

Prerequisites: TED 250.

TED 444 Educational Psychology for the Secondary Grades 3

The application of the principles of educational psychology (i.e., adolescent development, diversity, learning theory, motivation, and assessment) to teaching high school students.

TED 445 Human Diversity, Teaching, and Learning 3

Examines how the multiple identities of race, ethnicity, socioeconomic status, gender, and religion affect the teaching and learning environment. Issues of classroom management for maximum instructional delivery are also included.

TED 450 Psychological Foundations of Education 3

Designed to develop and demonstrate application of knowledge and understanding of the processes and methods of learning and teaching in respective school settings. Includes study of learner's growth and maturation, individual differences, and application of psychology to task of the teacher in evaluating pupil progress. Classroom observation and simulated experiences emphasized. Appropriate emphasis on adolescent.

TED 451 Teaching Practices and Curriculum in English 3

Designed to acquaint prospective teachers with modern concepts and practices of English instruction in secondary schools; emphasis on teaching four fundamental language arts: speaking, writing, reading, and listening.

Prerequisites: TED 445, admission to the Teacher Education Program, and an overall minimum GPA of 2.75. or permission of instructor;

Notes: Required of student teachers in English.

TED 452 Educational Psychology for the Middle Grades 3

The application of the principles of educational psychology (i.e., adolescent development, diversity, learning theory, motivation, and assessment) to teaching middle school students.

Prerequisites: MDED major .

TED 453 Teaching Practices and Curriculum in Social Studies 3

Organization of social studies in secondary schools; classroom methods, techniques, and activities; teaching materials; and testing and evaluation.

Prerequisites: TED 445, admission to the Teacher Education Program, and an overall minimum GPA of 3.0. or permission of instructor;

Notes: Required of student teachers in social studies.

TED 454 Middle Grades Social Studies Education 3

Examination of candidate competencies in middle grades social studies instruction. Emphases include practical and theoretical attention to curriculum development, planning, resources, standards, instructional strategies, and assessment.

Prerequisites: MDED major.

TED 458 Middle Grades Mathematics Education 3

Development of middle grades mathematics instruction as related to adolescent learners. Emphases include practical and theoretical attention to best practices, curriculum, assessment, and standards of practice.

Prerequisites: MDED major. CPT student; lateral-entry middle grades mathematics teacher status (without having completed a middle-grades mathematics methods course); or permission of instructor;

Corequisites: MDED major or CPT student: TED 375 or equivalent.

Notes: CPT (classroom practice track) students have a bachelor's degree in a discipline other than education and want to pursue an education degree.

TED 459 Teaching Practices and Curriculum in Science 3

Development of philosophy of science teaching and of attitudes and values relative to science teaching in secondary school. Emphasis on recent curriculum studies in biology, chemistry, physics, and earth-science and the changing approaches to teaching these subjects.

Prerequisites: TED 445 and admission to the Teacher Education Program. or permission of instructor;

Notes: Required of student teachers in science.

TED 460 Middle Grades Science Education 3

Develops candidate competencies in middle grades science instruction as related to adolescent learners. Emphases include practical and theoretical attention to best practices, curriculum, assessment, and standards of practice.

Prerequisites: MDED major.

TED 461 Student Teaching: Elementary Grades 9

Supervised student teaching in an elementary setting (grades K–6) under direction of a cooperating teacher with university supervision. Full-time teaching assignment in cooperating schools for a full semester. Conferences and seminars required.

Prerequisites: Admission to the Teacher Education Program.

Notes: Grade: Pass/Not Pass (P/NP).

TED 462 Student Teaching: Middle Grades 9

Supervised student teaching in a middle grades setting (grades 6–9) under direction of a cooperating teacher with University supervision. Full-time teaching assignment in cooperating schools for a full semester.

TED 463 Nature of Science, Technology, and Society 3

Study of nature of science, encompassing literature from history, philosophy, and sociology of science. Applications of this literature on school science instruction.

Prerequisites: TED 459 or equivalent science methods course.

Notes: May be repeated for credit when topic varies.

TED 465 Student Teaching: Secondary School 9

Supervised student teaching in senior high school under direction of university supervisor. Observation, participation, and appropriate classroom teaching experience on a full-time teaching assignment for full semester with weekly seminar.

Prerequisites: Admission to Student Teaching.

TED 466 Student Teaching Seminar 3

The Student Teaching Seminar course is designed to accompany the student teaching experience. A primary focus of the Seminar will be to prepare students to complete all state licensure requirements (e.g., edTPA). A secondary focus will be to serve as a space to debrief about the student teaching experience as well as to prepare students for the educational job market.

TED 480 Education in Global Settings 6

The course is designed for students who are interested in exploring education issues through guided study-abroad experiences. Students will participate in field experiences and interact with students and teachers abroad.

Notes: May be repeated for a cumulative total of 6 s.h.

TED 489 Experimental Course 3

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

TED 490 Community Literacies and Adult Learners 3

This course focuses on working with adult learners, including families of K–12 English learners, who are learning English as an additional language, in both formal and informal settings.

TED 491 Independent Study 1-3

Guided readings, research, or individual project work under direction of a staff member.

Prerequisites: Permission of instructor .

TED 498 Senior Teaching Fellows Seminar I 1

This course is designed to assist senior Teaching Fellows in synthesizing learnings from prior Teaching Fellows seminars and preparing for positions in public schools.

Prerequisites: North Carolina Teaching Fellow .

TED 499 Senior Teaching Fellows Seminar II 1

This course is designed to assist senior Teaching Fellows in synthesizing learnings from prior Teaching Fellows seminars and preparing for positions in public schools.

Prerequisites: North Carolina Teaching Fellow .

TED 506 Institutes in Education 1-3

Practicum or workshop experiences to focus on issues, problems, or approaches in the profession.

Notes: Grade: Satisfactory/Unsatisfactory (S/U). Students may apply no more than three (3) s.h. of this course to any degree program.

TED 516 Emergent Literacy and Literature 3

Explores emergent literacy development from birth to age 5 and investigates the role that texts play in young children's development.

TED 518 Mathematics in the Elementary Schools 3

Current mathematics program, including emphasis on meaning theory and on instructional materials, methods, and procedures in teaching fundamental operations.

TED 519 Science in the Elementary School 3

Designing and developing science learning experiences for children in the biological, physical, earth, and space sciences. The nature of elementary school science and children's interests are considered.

TED 520 Social Studies in the Elementary School 3

Designed to help educators gain more complete understanding of elementary school social studies. Special emphasis given to evaluation of the field beginning with the separate subjects approach to correlation, to broad fields, to integration, and separate disciplines approach. Emphasis also given to identification of key skills that help children function intelligently in this field. Development of democratic citizens also a major consideration.

TED 523 Legal, Historical, and Cultural Issues in ESL 3

Exploration of legal and historical bases of English as a Second Language. Analysis of differences among home and school cultures, especially related to language.

Prerequisites: Standard Professional I License in another area or permission of instructor.

TED 525 Dual Language Instructional Practice 3

This course focuses on teaching in a dual language classroom setting including instructional methods as well as a theoretical framework that supports bilingualism and biliteracy practices.

Prerequisites: Permission of instructor.

TED 530 Middle Grades Language Arts 3

Course develops competencies in middle grades language arts instruction as related to adolescent learners. Emphases include practical and theoretical attention to best-practices, curriculum, assessment, and standards of practice.

Prerequisites: MDED major.

TED 535 Literacy in the Content Area 3

Designed to prepare middle grades, secondary, and special subject or content area teachers to work with students who exhibit a variety of reading and writing levels.

Prerequisites: Admission to the Teacher Education or M.Ed. Program.

TED 545 Human Diversity, Teaching, and Learning 3

Examines how the multiple identities of race, ethnicity, socioeconomic status, gender, and religion affect the teaching and learning environment. Issues of classroom management for maximum instructional delivery are also included.

Prerequisites: Admission to the Teacher Education Program or permission of department.

TED 551 Teaching Practices and Curriculum in English 3

Designed to acquaint prospective teachers with modern concepts and practices of English instruction in secondary schools; emphasis on teaching four fundamental language arts: speaking, writing, reading, and listening.

Prerequisites: TED 445, admission to the Teacher Education Program, and an overall minimum GPA of 2.75. or permission of instructor;

Notes: Required of student teachers in English.

TED 553 Teaching Practices and Curriculum in Social Studies 3

Organization of social studies in secondary schools; classroom methods, techniques, and activities; teaching materials; and testing and evaluation.

Prerequisites: TED 445, admission to the Teacher Education Program, and an overall minimum GPA of 3.0. or permission of instructor;

Notes: Required of student teachers in social studies.

TED 554 Middle Grades Social Studies Education 3

Examination of candidate competencies in middle grades social studies instruction. Emphases include practical and theoretical attention to curriculum development, planning, resources, standards, instructional strategies, and assessment.

Prerequisites: MDED major.

TED 558 Middle Grades Mathematics Education 3

Development of middle grades mathematics instruction as related to adolescent learners. Emphases include practical and theoretical attention to best practices, curriculum, assessment, and standards of practice.

Prerequisites: MDED major. CPT student; lateral-entry middle grades mathematics teacher status (without having completed a middle-grades mathematics methods course); or permission of instructor;

Corequisites: MDED major or CPT student: TED 375 or equivalent.

Notes: CPT (classroom practice track) students have a bachelor's degree in a discipline other than education and want to pursue an education degree.

TED 559 Teaching Practices and Curriculum in Science 3

Development of philosophy of science teaching and of attitudes and values relative to science teaching in secondary school. Emphasis on recent curriculum studies in biology, chemistry, physics, and earth-science and the changing approaches to teaching these subjects.

Prerequisites: TED 545 and admission to the Teacher Education Program. or permission of instructor;

Notes: Required of student teachers in science.

TED 560 Middle Grades Science Education 3

Develops candidate competencies in middle grades science instruction as related to adolescent learners. Emphases include practical and theoretical attention to best practices, curriculum, assessment, and standards of practice.

Prerequisites: MDED major.

TED 580 Education in Global Settings 6

The course is designed for students who are interested in exploring education issues through guided study-abroad experiences. Students will participate in field experiences and interact with students and teachers abroad.

Notes: May be repeated for a cumulative total of 6 s.h.

TED 590 Community Literacies and Adult Learners 3

This course focuses on working with adult learners, including families of K–12 English learners, who are learning English as an additional language, in both formal and informal settings.

TED 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

TED 603 Literacy Instruction for English Language Learners 3

Basic knowledge of theory and research in second language acquisition and literacy development and strategies and techniques for effective literacy instruction for English language learners.

TED 604 Applied Linguistics for ESL Teachers 3

Linguistics theories on phonology, morphology, syntax, psycholinguistics and sociolinguistics; basic theories of second language acquisition; and application of the theories and models of applied linguistics in ESL classroom teaching.

TED 610 Integrating Technology into Subject Matter Instruction 3

Study of ways to integrate a variety of computer-based technologies for teaching and learning content in the K-12 curriculum. Designed for classroom teachers, computer teachers, and computer specialties.

TED 614 Word Study 3

Designed to familiarize educators with underlying developmental theories and teaching strategies for word recognition, spelling, and vocabulary development. Special attention given to issues surrounding phonics.

TED 616 Literacy Development and Instruction Across the Elementary Grades 3

Designed to give teachers a deeper understanding of the theories and research behind effective reading instruction for students in the elementary grades.

TED 617A Practicum in Literacy Assessment and Instruction 3

Causes of reading disabilities, diagnostic instruments, standard and informal assessments, report writing, and materials and methods of struggling readers. Work with individual students or small groups identified as struggling readers.

Prerequisites: TED 614, TED 615, and TED 616 or permission of instructor.

TED 617B Advanced Practicum in Literacy Assessment, Instruction, and Leadership 3

Further examination of struggling readers in a supervised, clinical context. Evaluation of formal and informal assessments, the generation of educational prescriptions, and the directions of assessment procedures.

Prerequisites: TED 617A or permission of instructor.

TED 618 Teaching English as a Second Language 3

Specific instructional methods and strategies to facilitate content area instruction and English language development for students who speak languages other than English.

TED 619 Issues and Trends in Literacy Education 3

Examines contemporary issues in Literacy Education. Special attention to the changing contexts of literacy curricula and instruction.

Prerequisites: Minimum of 9 hours in reading education and TED 604 or 605 or permission of instructor.

TED 623 Environmental Education 3

Teachers will design, conduct, and evaluate environmental education activities. Course activities partially fulfill requirements for North Carolina environmental education certification.

Prerequisites: TED 545, TED 669, ERM 605, or permission of the instructor.

Notes: Weekend field trip is required. May be repeated for credit when topic varies.

TED 625 Mathematics in the Elementary School II 3

Elementary grades mathematics instruction for K-5 learners. Emphasizes practical and theoretical attention to best practices, curriculum, assessment, and standards of practice focusing on Geometry, Data Analysis & Probability, and Measurement.

Prerequisites: Admission to the MAT, Elementary Education concentration, or permission of instructor.

TED 626 Middle Grades Curriculum and Instruction 3

Curricular and instructional principles, processes, and designs applicable to students in the middle grades. Particular emphasis is given to exemplary middle school programs.

Prerequisites: Permission of instructor.

TED 628 Trends and Issues in Curriculum and Instruction 3

Examination of selected current trends and issues in curriculum and instruction, focusing on causes, intentions, and effects of policies at the local, state, and national levels.

Notes: May be repeated for credit when topic varies.

TED 629 Academic Discourse Communities in Graduate Studies 3

Examines efficient techniques for evaluating academic research and for developing writing and oral skills in different genres of academic discourses appropriate to disciplinary communities.

TED 630 Mathematics Teaching in Middle and Secondary Studies 3

Examines models of mathematics instruction in middle grades and secondary mathematics classrooms.

Prerequisites: Permission of instructor.

Notes: May be repeated for credit when topic varies.

TED 631 Trends in Teaching Practices and Curriculum in Secondary School Social Studies 3

Historical development and objectives of social studies curriculum in schools; structure of individual disciplines in social studies, trends and new direction in curriculum, and implications of significant research in social studies curriculum and methodology.

Prerequisites: Permission of instructor.

Notes: May be repeated once for credit when topic varies.

TED 632 Science Education: Teaching Practices and Curriculum 3

Application of reform efforts in the sciences with attention given to eco and social justice perspectives.

Prerequisites: Permission of instructor.

Notes: May be repeated once for credit when topic varies.

TED 634 Seminar in Middle Grades Education 3

Will focus on the unique needs of students and teachers in middle level schools.

Prerequisites: Completion of a course in middle grades curriculum and instruction.

TED 636 Educational Psychology and Differentiated Instruction 3

Understanding and applying current theory and research addressing education psychology (child/adolescent development, learning theory and motivation) and differentiated instruction.

Prerequisites: Admission to the MAT, Elementary Education concentration, or permission of instructor.

TED 640 Writing Instruction Across the Grade Levels 3

Interrelates knowledge, research and practice in teaching writing as a process across grade levels from elementary through secondary levels. Special attention to implementing the writing process across the curriculum.

TED 641 Literacy I: Reading Instruction 3

Course focuses on how children learn to read and write and what classrooms teachers can do to facilitate their growth as readers and writers in the elementary grades.

Prerequisites: Admission to the MAT in Elementary Education, or permission of instructor.

TED 642 Literacy II: Language Arts Instruction 3

Integrated reading and language arts course designed to prepare students to teach reading and writing in the elementary grades.

Prerequisites: Admission to the MAT in Elementary Education, or permission of instructor.

TED 646 Intro to Equity Education 3

Designed to support students in expanding their views about equity and education to include family and community practices around broadened understandings of community/cultural assests for pedagogical practices.

TED 647 Teaching and Learning in Makerspaces 3

This course focuses on Making/Makerspace across formal and informal learning contexts. Students will learn a suite of making practices, informed by theoretical lenses grounded in equity and strength-based approaches.

TED 648 Design-based Action Research in Education 3

In this course students in the Design and Making in Education Certificate Program develop and implement a design-based research project to integrate Making into their professional context.

Prerequisites: TED 646, TED 647, and TED 618 or TED 619 or TED 623 or TED 667 or other course approved by advisor.

TED 650 Establishing and Maintaining a Responsive Classroom Environment 3

Competencies in motivating and increasing student learning through the development of positive interpersonal relationships in the classroom, effective classroom organization and instruction, and altering unproductive student behavior.

Prerequisites: Permission of instructor.

TED 651 Life Sciences in the Elementary School 3

Analysis and expansion of content knowledge and pedagogical content knowledge related to core ideas and crosscutting concepts in earth sciences appropriate for elementary teachers.

Prerequisites: Graduate student in teacher education program or permission of instructor.

TED 652 Physical Sciences in the Elementary School 3

Analysis and expansion of content knowledge and pedagogical content knowledge related to core ideas and crosscutting concepts in earth sciences appropriate for elementary teachers.

Prerequisites: Graduate student in teacher education program or permission of instructor.

TED 653 Earth and Space Sciences in the Elementary School 3

Analysis and expansion of content knowledge and pedagogical content knowledge related to core ideas and crosscutting concepts in earth sciences appropriate for elementary teachers.

Prerequisites: Graduate student in teacher education program or permission of instructor.

TED 657 Nature of Science, Technology, and Society 3

Study of nature of science, encompassing literature from history, philosophy, and sociology of science. Applications of this literature on school science instruction.

Prerequisites: TED 559 or equivalent science methods course.

Notes: May be repeated for credit when topic varies.

TED 658 Number Systems and Operations: K-5 Mathematical Tasks 3

Analysis and construction of effective mathematical tasks in teaching number systems and operations at the K-5 level; attention also given to expansion of content knowledge.

Prerequisites: Teacher licensure.

TED 659 Rational Numbers and Operations: K-5 Learning Trajectories 3

Focus on rational number concepts through learning trajectories at the K-5 level; attention also given to problem solving and content knowledge.

Prerequisites: TED 658.

TED 660 Data Analysis and Measurement: K-5 Classroom Interactions 3

Focus on statistical literacy of elementary teachers and the teaching of data analysis and measurement to K-5 students; attention also given to learning methods that facilitate appropriate classroom interactions.

Prerequisites: TED 658.

TED 661 Algebraic Reasoning: K-5 Discourse and Questioning 3**TED 662 Geometry and Spatial Visualization: K-5 Assessment 3****TED 663 Mathematical Modeling: K-5 Leadership 3****TED 664 Teaching Problem Solving 3**

Survey of methods and materials for teaching problem solving and evaluating problem solving performance of students. Development of instructional programs on problem solving and assessment of their effects.

Prerequisites: Admission to a graduate program, or permission of instructor.

TED 668 Seminar in Mathematics Pedagogy 3

Analysis of alternative pedagogy for specific mathematics content, with design of instruction and assessment based on that analysis.

Notes: May be repeated for credit. maximum of 6 hours applicable toward any degree.

TED 669 Educational Implications of Learning and Developmental Theory 3

How learning and developmental theories define the teacher's role as instructional leader, how curricular materials might be designed and used, and student learning and motivation.

TED 670 Research in Mathematics Education 3

Research in mathematics instruction and learning; attention to synthesizing and identifying educational implications of research.

TED 671 Thinking and Learning in Middle Grades and Secondary Mathematics: Number and Algebra 3

An examination of research on the teaching and learning of number and algebra in middle grades and secondary mathematics classrooms.

TED 672 Instructional Design 3

Components of the systems approach to instructional design.

Notes: Same as LIS 672.

TED 673 Thinking and Learning in Middle Grades and Secondary Mathematics: Geometry, Statistics, and Probability 3

An examination of research on the teaching and learning of geometry, statistics, and probability in middle grades and secondary mathematics classrooms.

TED 676 Teacher as Researcher and Leader I 3

Leadership skills for teachers working with school, district, state, and/or national initiatives and issues. Course focuses on inquiry, developing an action research proposal, and practical application of findings.

Prerequisites: ERM 605 and 24 hours of MEd course work, or permission of instructor.

TED 677 Teacher as Researcher and Leader II 3

Conducting and interpreting a teacher action project investigating curriculum, instruction, teaching, and learning. Course focuses on systematic inquiry, conducting research, practical application of findings, and sharing research in professional settings. May be repeated once for credit.

Prerequisites: TED 676.

Notes: May be repeated once for credit.

TED 680A Clinical Experience in Teaching 3-6

Supervised in-school clinical experience. Required full-time teaching.

Prerequisites: Admission to Med, MAT program, or permission of department.

TED 680B Clinical Experience in Teaching Seminar 3

Seminar focused on the ways students learn within the classroom and community context.

Prerequisites: Admission to Med, MAT program, or permission of department.

TED 688 Contemporary Problems Seminar 1-3

Specific course title identified each semester by a subscript (e.g., Contemporary Problems Seminar; Issues in Professional Negotiations).

Prerequisites: Advanced master's or doctoral standing, or permission of instructor.

Notes: May be repeated for credit when topic varies.

TED 692 Independent Study 1-4

Guided readings, research, and individual project work under direction of a staff member.

Prerequisites: Permission of instructor.

TED 695 Youth Literacies: Advanced Topics in Education 3

Examining theory and practice in youth literacies. Pedagogy designed to equip secondary language arts teachers to teach 21st centuries literacies. Emphasis on media literacies and out-of-school literacies.

TED 696 Classroom Language Assessment 3

An introduction to classroom-based approaches to language assessment for bi-/multi-lingual language learning contexts for in-service and pre-service language teachers.

TED 699 Thesis 1-6

Individual guidance and direction in the development of research problem in the master's degree thesis.

TED 728 Topics in Curriculum and Instruction 3

Advanced study of special topics in curriculum and teaching.

Prerequisites: Permission of instructor.

Notes: May be repeated up to three times for credit when topic varies.

TED 729 Topics in Math and Science Education 3

This variable-topics course provides an opportunity for advanced study of conceptual or methodological topics in math and science education. Specific course topic identified each semester by an extended title.

Prerequisites: Permission of Instructor.

Notes: May be repeated up to three times for credit when topic varies.

TED 730 Qualitative Methods in Curriculum and Instruction 3

Qualitative research design in education, including its history, philosophy and nature. Includes discussion of types of qualitative research, assessment issues, and critical reading of qualitative research.

Prerequisites: TED 749 or permission of instructor.

TED 735 Design-Based Research in Education 3

Overview of design-based research methods including its history and current literature. Topics include research design, data collection, data analysis, and proposed writing for a design-based research study.

TED 738 Mixed Methods Research Design in Curriculum and Instruction 3

Overview of mixed methods research including its history, current literature, and typology. Topics include research design, data collection, data analysis, validity, and proposed writing for a mixed methods study.

TED 746 Seminar: Research on Teaching 3

Competencies in thinking critically about research on teaching with respect to the findings of research and the methodologies for conducting research on teaching.

Prerequisites: Admission to TED/HED doctoral program and grade of B (3.0) or better in TED 749.

TED 747 Doctoral Seminar in Learning and Cognition 3**TED 749 Disciplined Inquiry in Teacher Education 3**

Students will learn about various methods for disciplined inquiry in the fields of curriculum and instruction, begin to develop their research interests, and practice critical reading and writing strategies.

TED 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

TED 759 College Teaching Practicum 3

Supervised experiences in teaching college level course(s).

Prerequisites: Advanced standing in the curriculum and teaching doctoral track and permission of instructor.

TED 760 Theory in Math and Science Education 3

Overview of major topics, theories, and influential research programs in math and science education. Students will consider educational research, practice, and policy as well as their intersections.

Prerequisites: Permission of instructor.

TED 761 Student Reasoning in Math and Science Education 3

Course will showcase the complexity and power of K-12 students' ways of reasoning in math and science in conjunction with research methods for capturing this reasoning.

Prerequisites: Permission of instructor.

TED 762 Pedagogy in Math and Science Education 3

Course will focus on scholarship related to math and science teaching and the development of this expertise, including teacher education for prospective teachers and professional development for practicing teachers.

Prerequisites: Permission of instructor.

TED 765 Research in Equity Education 3

Examines the research knowledgebase in equity education and facilitates the design of culturally sensitive studies. Particular emphasis on race/ethnicity, gender, and class issues related to the design of research studies that affirm equity and perpetuate social justice.

Prerequisites: TED 646 and TED 730 or other qualitative research methodology course or permission of instructor.

TED 767 Qualitative Data Coll/Analysis 3**TED 770 Community Engaged Research and Practice 3**

An in-depth exploration of the history, theory, ethics, research methods, and reporting of community-engaged research with an emphasis on positionality and reflexivity. Research practices in community settings are required.

Prerequisites: TED 730, ELC 664, ELC 665, ERM 750 or permission of instructor.

Notes: Same as ELC 770 and SES 770.

TED 775 Directed Doctoral Research 3**TED 776 Becoming a Scholar in Math and Science Education 3**

Individualized directed doctoral research and participation in a collaborative scholarly community of math and science education researchers, which includes engagement in reading group discussions, research meetings, and research sites.

Prerequisites: Permission of instructor.

Notes: May be repeated up to three times for credit.

TED 799 Dissertation 1-12

Individual direction in the development and execution of a doctoral dissertation.

TED 801 Thesis Extension 1-3

Thesis Extension.

TED 802 Dissertation Extension 1-3

Dissertation Extension.

TED 803 Research Extension 1-3

Theatre (THR)

THR 100 Drama Appreciation 3

Theatre as an art form: how the actor, director, and designer function. Outstanding plays of major periods demonstrate the technical and aesthetic aspects of theatrical production. Illustrated lectures, demonstrations, and classroom experiments.

GE Core: GFA

THR 110 Designing Weddings and Other Ceremonies 3

This course explores how to design local ceremonies associated with life transitions (birthdays, initiations, weddings, and memorials), while considering theatre design elements and ritual found in comparable non-Western cultures.

GE Core: GFA

GE Marker: GN

THR 120 Voice for the Actor 3

The study of the mechanics of the voice for dramatic literature, developing intelligible speech through the use of Standard American Sounds.

Prerequisites: DRAM major.

THR 130 Fundamentals of Acting 3

Understanding and appreciation of the problems, demands, and disciplines of the actor's art.

GE Core: GFA

Prerequisites: Non-DRAM majors.

THR 140 Stage Crafts: Scenery, Lighting, and Sound 3

Introduction to technical theatre practice, backstage organization, scenery construction, stage lighting and sound. Practical experience in supervised laboratory and production program.

Prerequisites: DRAM major.

THR 145 Stage Crafts: Costuming and Makeup 3

Introduction to technical theatre practice in stage makeup and costuming. Practical experience in supervised laboratory and production program.

Prerequisites: DRAM major or School of Theatre minor.

THR 191 Theatre Practice - Scenery 1

Open to any student interested in participating in the scenery phase of production.

Prerequisites: THR 140.

Notes: May be repeated for credit.

THR 192 Theatre Practice - Costumes 1

Open to any student interested in participating in the costuming phase of production.

Prerequisites: THR 145.

Notes: May be repeated for credit.

THR 194 Apprentice Production Practicum 1

Beginning-level production work in scenery, lighting, costuming, sound, or stage management.

Prerequisites: THR 140 or THR 145. B.F.A. DRAM major: Design and Technical Production Concentration; or permission of instructor;

Notes: May be repeated for credit.

THR 200X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

THR 201 Playscript Analysis 3

Systems for analyzing playscripts which may be adapted and employed by directors, actors, and/or designers.

Prerequisites: Admission to appropriate degree program or permission of instructor.

THR 221 Dynamics in Acting: Movement I 3

Practical exercise in physical disciplines to develop concentration, imagination, and the body as the actor's instrument.

Prerequisites: B.F.A. in Acting Students only.

THR 222 Dynamics in Acting: Voice I 3

Beginning course in the voice/speech sequence in the B.F.A. Acting program. Understanding of breath, foundations of voice production, elements of speech.

Prerequisites: B.F.A. in Acting Students only.

THR 231 Acting I 3

Introduction to the ideas of Konstantin Stanislavsky's system for modern acting. Voice and movement warm-up exercises along with beginning acting exercises that culminate in basic scene study.

Prerequisites: Restricted to Theatre Department majors and minors.

THR 232 Acting II 3

Application of basic techniques developed in 231 to elementary scene study. Introduction to the Stanislavski System. Further study in movement, voice, and improvisation.

Prerequisites: THR 231.

THR 235 Acting Studio 1 3

The foundational course in the study of the Stanislavski acting system. Students will begin their exploration of "living truthfully in a set of imaginary circumstances."

Prerequisites: B.F.A. Acting major.

THR 236 Acting Studio 2 3

An introduction to the Sanford Meisner technique: emphasis on moment-to-moment work, playing simple actions, and personalizing the imaginary circumstances.

Prerequisites: THR 235. BFA Acting Students only.

THR 242 Technical Production: Scenery 2

Further develop the theatrical construction skills and knowledge necessary for advanced construction techniques and installation of scenic units.

Prerequisites: THR 140 or permission of instructor.

THR 244 Technical Production: Costumes 2

To further develop costume technology skills taught at the beginning level in THR 145.

Prerequisites: THR 145 or permission of instructor.

THR 245 Theatre Graphics 3

Introduction to the basic materials and techniques of graphic presentation in scenic, costume, and lighting design for the theatre.

Prerequisites: THR 140 or THR 145.

THR 246 Technical Production: Sound and Lighting 2

Enhance the student's familiarity with the process and equipment used in modern theatre production.

Prerequisites: THR 140 or permission of instructor.

THR 248 Portfolio Preparation for the Theatre 3

This course guides students in developing the materials and skills necessary to present their education and experience to employers in the most effective manner, including resumes, cover letters, and portfolios.

Prerequisites: THR 140 and THR 145. Design and Technical Production concentration; or permission of the instructor.

THR 260 Advanced Makeup 3

Special emphasis on character analysis, physiognomy, color, three-dimensional make-up, rubber prosthesis, beard and wig make-up for theatre, film and television production.

Prerequisites: THR 145 or permission of instructor.

THR 280 The Mask in Performance 3

A cross-cultural introduction to masks throughout history, their construction, and use in performance.

Prerequisites: THR 130 or THR 231.

THR 291 Applied Theatre I 1-4

Supervised practical experience in various areas of theatre production.

Notes: May be repeated for credit.

THR 294 Intern Production Practicum 2

Intermediate-level production work in scenery, lighting, costuming, sound, or stage management.

Prerequisites: THR 140 or THR 145. BFA in DRAM: Design and Technical Production concentration or Technical Production concentration;

Notes: May be repeated for a total of 12 s.h.

THR 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

THR 305 Broadway: Development of the American Musical 3

Exploring Musical Theatre's development from European tradition to a uniquely American art form. Places operetta, minstrelsy, vaudeville, burlesque, revue, and musical comedy into historical context. Illustrated lectures and demonstrations.

GE Core: GHP

THR 306 Musicianship for Musical Theatre 3

Development of musicianship skills to be used specifically for the Musical theatre genre.

THR 309 Singing for the Actor 1

Study of basic principles of vocal production for Musical Theatre repertoire, to include acquaintance with appropriate style, song choice, and performance.

Prerequisites: Open to all Theatre Majors (BA, BFA) and Music Theatre Minors.

THR 315 Creative Drama for the Classroom Teacher 3

Preschool and elementary school creative drama and its place in preschool and K–5 curricula. Emphasis on fundamentals, materials, teaching techniques, and evaluation.

THR 320 The Actor's Space 3

Concentrated study of kinesthetic and spatial awareness. Special emphasis on physical and vocal adjustments to the demands of different performance spaces.

THR 321 Dynamics in Acting: Movement II 3

Advanced daily practical exercise in physical disciplines to develop concentration, imagination, and the body as the actor's instrument.

Prerequisites: THR 221. B.F.A. in Acting Students only.

THR 322 Dynamics in Acting: Voice II 3

Continuation course in the voice/speech sequence in the B.F.A. Acting program. IPA, vocal range, elements of speech, application to dramatic text.

Prerequisites: THR 222. B.F.A. in Acting Students only.

THR 331 Acting Studio 3 3

Concentrated study in script and role analysis. Intensive improvisation to develop acting techniques.

Prerequisites: THR 236 and permission of acting faculty.

Notes: B.F.A. Acting majors only.

THR 332 Acting Studio 4 3

Working in the Stanislavski system as it applies to performance for the camera rather than a live audience. Focus will include film work, episodic television, soap operas, and sitcoms.

Prerequisites: THR 331 and BFA Acting majors only.

THR 340 Scenic Automation and Technology 3

Introduction to mechanical devices used for automation of stage scenery. Topics covered will include stage winches, fluid power (hydraulics & pneumatics), control systems, and system design.

Prerequisites: THR 140 and THR 242 or permission of instructor.

THR 345 Theatre Production Crafts 3

An introduction to craft materials for theatre production. Craft materials may include industrial felts, leather, flexible and rigid foams, thermoplastics, paper products, adhesives, fabric paints and fabric dyes.

Prerequisites: THR 140 and THR 145.

THR 346 Costume Crafts 3

Exploration of basic design elements and fabrics relative to costuming. Laboratory projects in costume crafts.

Prerequisites: THR 145 or permission of instructor.

THR 349 Workshop in Musical Theatre 3

An exploration of musical theatre in a studio workshop setting.

Prerequisites: By audition only and THR 307 and THR 231 or THR 235.

Notes: May be repeated when topic varies for a total of 9 s.h.

THR 351 Scene Design 3

Principles and practice of scene design for performance.

Prerequisites: THR 140 or permission of instructor.

THR 357 Musical Theatre Audition Technique I 2

For undergraduate students interested in developing their musical-theatre audition skills.

Prerequisites: THR 306.

THR 361 Costume Design 3

Principles and practice of costume design for performance.

Prerequisites: THR 145 or permission of instructor.

THR 370 Lighting Design 3

Principles and practice of lighting design for theatre, television and film.

Prerequisites: THR 140. or permission of instructor.

THR 375 Theatrical Sound Design and Technology 3

An introduction to the theory, aesthetics, and technology of theatrical sound design.

Prerequisites: THR 140. Design and Technical Production concentration; or permission of the instructor.

THR 380 Playwriting 3

Exercises in dramaturgical techniques including adapting literature for performance. Composition of one-act plays.

THR 386 Introduction to Stage Management 3

Introduction to the duties and responsibilities of the theatrical stage manager; emphasis on the stage manager's place in the theatrical organization and their interaction with other members of the production.

Prerequisites: THR 140 and THR 145. or permission of instructor.

THR 394 Journeyman Production Practicum 3

Advanced-level production work in scenery, lighting, costuming, sound, or stage management.

Prerequisites: THR 140 or THR 145. BFA in DRAM: Design and Technical Production concentration or Technical Production concentration;

Notes: May be repeated for a total of 12 s.h.

THR 395 Special Problems 1-3

Guided individual study in an area of special interest to the student.

Prerequisites: Permission of faculty supervisor is required prior to registration.

Notes: May be repeated for credit.

THR 400 Theatre History I 3

Specific conditions under which the great plays of the world have been produced. Origins through the late French Renaissance up to the English Restoration.

Prerequisites: THR 201. Junior standing or higher.

THR 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

THR 401 Theatre History II 3

Specific conditions under which the great plays of the world have been produced. The English Restoration and German Romanticism through Modern and Postmodern movements.

Prerequisites: THR 201. Junior standing or higher.

THR 402 Theatre History III 3

Specific conditions under which the great plays of the world have been produced. I: Origins to Renaissance; II: Early Modern to Realism; III: Modernism to Postmodernism.

THR 403 Period Styles in Performance Design I 3

Study of period style and how it is used in performance design. First semester: architecture, decor, and fashion from antiquity to Renaissance. Second semester: architecture, decor, and fashion from Renaissance to present.

Prerequisites: Admission to B.F.A. design program. or permission of instructor.

THR 404 Period Styles in Performance Design II 3

Study of period style and how it is used in performance design. First semester: architecture, decor, and fashion from antiquity to Renaissance. Second semester: architecture, decor, and fashion from Renaissance to present.

Prerequisites: Admission to B.F.A. design program. or permission of instructor.

THR 405 American Theatre History 3

Development of Theatre in America from its beginnings to the present. Includes consideration of theatre artists and companies, audiences, performance spaces, production and business practices, plays, and playwrights.

Prerequisites: Junior standing or permission of instructor.

THR 406 Non-Western Theatre and/or Film 3

Dramatic literature, theatre, and/or film in India, China, Japan, and Africa. Subject varies with instructor.

GE Marker: GN

Notes: May be repeated for up to 6 s.h., depending on course content.

THR 407 Feminist Theatre 3

Survey of twentieth and twenty-first century British and American feminist theatre, focusing on performance texts that address salient concerns of first, second, and third wave feminisms.

THR 410 Directing I 3

Fundamental principles of directing for the theatre including adapting literature for performance.

Prerequisites: THR 201, junior standing, and Theatre Major. or permission of the instructor.

THR 411 Directing II 3

An intermediate directing course that involves the student in the theory and practice of contemporary plays.

Prerequisites: Two theatre courses and THR 201 and THR 410. or permission of instructor.

THR 415 Drama in Education 3

Research and literature of drama strategies and techniques for children, ages 5 through 14. Practice in leading groups of children in drama in educational settings.

Prerequisites: B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

THR 416 Puppetry 3

Scope and development of puppetry throughout the world. Practical experience in the design, making, and performing of puppets.

Prerequisites: B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

THR 417 Theatre in Education 3

Research and literature of theatre-in-education pedagogy and methodology. Practice in facilitating theatre in education in the community.

Prerequisites: B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

THR 421 Physical Violence for the Stage 3

Intensive study and practice of the mechanics of stage violence for advanced performance students. Focus on safe performance techniques for violence in period and contemporary texts.

Prerequisites: THR 332. Drama Major.

THR 422 Stage Dialects 3

A study of selected dialects of English for performance, including dialect in cultural context and the application to dramatic text.

Prerequisites: THR 322. B.F.A. in Acting Students only.

THR 431 Acting Studio 5 3

Study and practice of the stylistic demands of the comedy of manners from Moliere through the present day.

Prerequisites: THR 332. BFA acting majors only.

THR 432 Advanced Shakespeare Studio 3

Study and practice of Shakespearean acting styles. Performance emphasizing manners, movement, and vocal delivery of the Elizabethan period.

Prerequisites: THR 332. B.F.A. or M.F.A. Acting Majors Only.

THR 434 Camera Acting: Basic Techniques 3

An examination of the differences between acting on film and acting on stage. Students will act in a variety of different types of camera work including feature films, dramas, sitcoms, and commercials.

Prerequisites: THR 231. Theatre Majors only.

THR 435 Performance Styles 3

Introduction to acting styles such as Greek, Commedia dell'Arte, Shakespeare, and Comedy of Manners, with pedagogical opportunity to lesson-plan for additional genres and styles.

Prerequisites: THR 232. Drama major.

THR 436 Advanced Acting for the Camera Studio 3

An advanced study of performance for the camera. Camera scene study will continue with added emphasis on clarity of intention and accuracy of repetition.

Prerequisites: THR 332 or THR 534. B.F.A. Actors Only.

THR 439 Professional Theatre Audition Techniques 3

Audition theory, techniques, and practice for theatre, television, and films.

Prerequisites: THR 332. B.F.A. and M.F.A. Actors only; or permission of instructor.

THR 440 Advanced Stagecrafts 3

Study of advanced scenic construction, property construction, and rigging techniques for the stage. Supervised laboratory work in wood, plastics, metal, and other materials.

Prerequisites: THR 140. or permission of instructor.

THR 441 Technical Direction 3

Theatrical technical direction with emphasis on organizational, managerial, and problem-solving duties and responsibilities. Lecture combined with practical projects.

Prerequisites: THR 140 and THR 444. junior, senior, or graduate standing; or permission of instructor.

THR 442 Scene Painting I 3

Tools, materials, and techniques of scene painting.

Prerequisites: THR 351 and admission to appropriate degree program. or permission of instructor.

THR 444 Computer Aided Drafting for the Theatre 3

Introduction to the fundamentals of Computer Aided Drafting and its use in theatre.

Prerequisites: THR 245 or permission of instructor.

THR 446 Advanced CAD for the Theatre 3

Continuation of Computer Aided Drafting for the Theatre concentrating on 3-D virtual modeling and visualization and its use in the theatre.

Prerequisites: THR 444 or permission of instructor.

THR 448 Stage Millinery and Accessories 3

Historical millinery and accessories in relation to stage adaptation; design and construction techniques.

THR 449 Historical Costume Pattern Drafting and Draping 3

Historical pattern-making techniques for stage costumes; theory and practice in costume construction.

THR 450 Advanced Scene Design 3

Advanced problems in set design for performance. Topics may vary with each offering.

Prerequisites: THR 351. BA or BFA in DRAM; or permission of instructor.

THR 460 Advanced Costume Design 3

Advanced problems in costume design for performance. Topics may vary with each offering.

Prerequisites: THR 361. BA or BFA in DRAM; or permission of instructor.

THR 470 Advanced Lighting Design 3

Advanced problems in lighting design for performance. Topics may vary with each offering.

Prerequisites: THR 370 and THR 444. BA or BFA in DRAM; or permission of instructor.

THR 480 Playwriting II 3

Focus on advanced play construction and dramatic writing.

Prerequisites: THR 380.

THR 482 Teaching Methods in Theatre Arts 3

Philosophy, means, and methods for conducting classes and structuring curricular and cocurricular theatre activities. Includes internship in public schools as lab. Required for Theatre Education teacher licensure.

THR 483 Honors Work 3-6

Honors Work.

Prerequisites: Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

THR 484 Theatre Management 3

Theatre organization and operation. Practical problems of financing, promoting, and staffing various theatre programs.

Prerequisites: B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

THR 485 Directing Practicum 1

Practice in directing the play; preparations of a 25-minute play or excerpt, and presentation in the Workshop Theatre.

Prerequisites: THR 410 and B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

Notes: May be repeated for a total of two semester hours.

THR 487 Theatre Field Studies 1-3

Guided off-campus study in the Theatre disciplines. Travel required. Site and topic will vary from semester to semester.

Notes: May be repeated for up to four (4) semester hours.

THR 488 Applied Theatre II 1-4

Intensive experience in one or more areas of theatre production.

Prerequisites: THR 291. B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

THR 490 Advanced Theatre Practice-Performance 1

Departmental auditions are open to all students, and credit is given to those who are cast.

Prerequisites: Written permission required.

Notes: May be repeated up to six (6) times for credit.

THR 491 Advanced Theatre Practice-Scenery 1

Open to non-Design and Technical Production students interested in participating in the scenery phase of production.

Prerequisites: One (1) s.h. of THR 191 and junior standing. or permission of the instructor;

Notes: May be repeated for credit.

THR 492 Advanced Theatre Practice-Costumes 1

Open to non-Design and Technical Production students interested in participating in the costuming phases of production.

Prerequisites: One (1) s.h. of THR 192 and junior standing. or permission of the instructor;

Notes: May be repeated for credit.

THR 493 Advanced Theatre Practice-Box Office and/or Publicity 1

Open to non-Design and Technical Production students interested in participating in the box office and/ or publicity phase of production.

Prerequisites: One (1) s.h. of THR 191 or THR 192 and junior standing. or permission of the instructor;

Notes: May be repeated for credit.

THR 494 Advanced Theatre Practice-Production 1

Open to non-Design and Technical Production students interested in participating in the technical phases of production.

Prerequisites: One (1) s.h. of THR 191 or THR 192 and junior standing. or permission of instructor;

Notes: May be repeated for credit.

THR 495 Advanced Theatre Practice-Lighting 1

Open to non-Design and Technical Production students interested in participating in the lighting phase of production.

Prerequisites: One (1) s.h. of THR 191 and junior standing. or permission of instructor;

Notes: May be repeated for credit.

THR 497 Student Teaching in Theatre Arts 12

Capstone experience for theatre education majors: student teaching at elementary, middle, or high school levels; classroom management; discipline; lesson design and implementation; and assessment. Includes biweekly seminars.

Prerequisites: Grade of B- or better in THR 482. completion of all major and teacher licensure course work; and completion of 100 hours of pre-student teaching field experience in K-12 schools.

THR 498 Capstone Production Practicum 3

Capstone experience for a BFA DRAM major: Design and Technical Theatre concentration or Technical Production concentration student.

Prerequisites: THR 140 or THR 145. Junior standing and BFA DRAM major: Design and Technical Theatre concentration or Technical Production concentration; or permission of instructor.

THR 500 Theatre History I 3

Specific conditions under which the great plays of the world have been produced. Origins through the late French Renaissance up to the English Restoration.

Prerequisites: THR 201. Junior standing or higher.

THR 501 Theatre History II 3

Specific conditions under which the great plays of the world have been produced. The English Restoration and German Romanticism through Modern and Postmodern movements.

Prerequisites: THR 201. Junior standing or higher.

THR 502 Theatre History III 3

Specific conditions under which the great plays of the world have been produced. I: Origins to Renaissance; II: Early Modern to Realism; III: Modernism to Postmodernism.

THR 503 Period Styles in Performance Design I 3

Study of period style and how it is used in performance design. First semester: architecture, decor, and fashion from antiquity to Renaissance. Second semester: architecture, decor, and fashion from Renaissance to present.

Prerequisites: Admission to MFA design program or permission of instructor.

THR 504 Period Styles in Performance Design II 3

Study of period style and how it is used in performance design. First semester: architecture, decor, and fashion from antiquity to Renaissance. Second semester: architecture, decor, and fashion from Renaissance to present.

Prerequisites: Admission to MFA design program or permission of instructor.

THR 505 American Theatre History 3

Development of Theatre in America from its beginnings to the present. Includes consideration of theatre artists and companies, audiences, performance spaces, production and business practices, plays, and playwrights.

Prerequisites: Junior standing or permission of instructor.

THR 506 Non-Western Theatre and/or Film 3

Dramatic literature, theatre, and/or film in India, China, Japan, and Africa. Subject varies with instructor.

GE Marker: GN

Notes: May be repeated for up to 6 s.h., depending on course content.

THR 511 Directing II 3

An intermediate directing course that involves the student in the theory and practice of contemporary plays.

Prerequisites: Two theatre courses and THR 201 and THR 410. or permission of instructor.

THR 515 Drama in Education 3

Research and literature of drama strategies and techniques for children, ages 5 through 14. Practice in leading groups of children in drama in educational settings.

Prerequisites: B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

THR 516 Puppetry 3

Scope and development of puppetry throughout the world. Practical experience in the design, making, and performing of puppets.

Prerequisites: M.F.A. Theatre Majors or permission of the instructor.

THR 517 Theatre in Education 3

Research and literature of theatre-in-education pedagogy and methodology. Practice in facilitating theatre in education in the community.

Prerequisites: B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

THR 532 Advanced Shakespeare Studio 3

Study and practice of Shakespearean acting styles. Performance emphasizing manners, movement, and vocal delivery of the Elizabethan period.

Prerequisites: THR 332. M.F.A. Acting Majors Only.

THR 534 Acting for the Camera 2

An introductory examination and exploration of the technique of acting for the camera. Students will refine and adjust the way they work, but the core technique remains the same.

Prerequisites: MFA Actors or permission of the instructor.

THR 536 Advanced Acting for the Camera Studio 3

An advanced study of performance for the camera. Camera scene study will continue with added emphasis on clarity of intention and accuracy of repetition.

Prerequisites: THR 332 or THR 534. M.F.A. Actors Only.

THR 539 Professional Theatre Audition Techniques 3

Audition theory, techniques, and practice for theatre, television, and films.

Prerequisites: THR 332. MFA Actors only or permission of instructor.

THR 540 Advanced Stagecrafts 3

Study of advanced scenic construction, property construction, and rigging techniques for the stage. Supervised laboratory work in wood, plastics, metal, and other materials.

Prerequisites: THR 140. or permission of instructor.

THR 541 Technical Direction 3

Theatrical technical direction with emphasis on organizational, managerial, and problem-solving duties and responsibilities. Lecture combined with practical projects.

Prerequisites: THR 140 and THR 444. junior, senior, or graduate standing; or permission of instructor.

THR 542 Scene Painting I 3

Tools, materials, and techniques of scene painting.

Prerequisites: THR 351 and admission to appropriate degree program. or permission of instructor.

THR 546 Advanced CAD for the Theatre 3

Continuation of Computer Aided Drafting for the Theatre concentrating on 3-D virtual modeling and visualization and its use in the theatre.

Prerequisites: THR 444 or permission of instructor.

THR 548 Stage Millinery and Accessories 3

Historical millinery and accessories in relation to stage adaptation; design and construction techniques.

THR 549 Historical Costume Pattern Drafting and Draping 3

Historical pattern-making techniques for stage costumes; theory and practice in costume construction.

THR 584 Theatre Management 3

Theatre organization and operation. Practical problems of financing, promoting, and staffing various theatre programs.

Prerequisites: M.F.A. Theatre Major, or permission of the instructor.

THR 585 Directing Practicum 1

Practice in directing the play; preparations of a 25-minute play or excerpt, and presentation in the Workshop Theatre.

Prerequisites: THR 410 and M.F.A. Theatre Majors, or permission of the instructor.

Notes: May be repeated for a total of two semester hours.

THR 587 Theatre Field Studies 1-3

Guided off-campus study in the Theatre disciplines. Travel required. Site and topic will vary from semester to semester.

Notes: May be repeated for up to four (4) semester hours.

THR 588 Applied Theatre II 1-4

Intensive experience in one or more areas of theatre production.

Prerequisites: THR 291. B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

THR 596 Applied Theatre II 1-4

Intensive experience in one or more areas of theatre production.

Prerequisites: THR 291. B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

THR 600 Introduction to Graduate Study 3

Development of research and writing skills, introduction to grant writing, and professional presentations. Consideration of issues in teaching.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

Notes: Required of MEd and MFA degree candidates.

THR 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

THR 601 Drama Theory and Criticism 3

Major concepts representative of Aristotelian drama and the chief artistic and philosophical trends underlying much of contemporary or non-Aristotelian drama.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

Notes: May be repeated for a maximum of 3 hours credit.

THR 602 Seminar in Drama and Theatre History 3

Investigation of special topics in drama and theatre history. Topics vary each semester.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

Notes: May be repeated twice for credit when topic varies.

THR 603 Acting Seminar 3

Historical and theoretical perspectives related to acting. Topics vary each semester.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

Notes: May be repeated for a maximum of 9 hours credit.

THR 610 Applied Play Directing 3

Guided study and practice in developing directorial approaches and techniques through scene work and the production of a complete play.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

THR 611 Advanced Play Directing 3

Problems of play directing emphasizing the use of modified proscenium, arena, thrust, and experimental forms of stages.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

THR 612 Directing Period Plays 3

Theories of directing and their application in the direction of period plays.

Prerequisites: THR 610 or THR 611 and admission to appropriate School of Theatre degree program or permission of instructor.

THR 613 Directing Seminar 3

Investigation in the art of directing. Topics vary each semester.

Prerequisites: THR 610 or THR 611 and admission to appropriate School of Theatre degree program or permission of instructor.

Notes: May be repeated for credit.

THR 614 Collaboration in Theatrical Production 3

An examination of the creative working relationship between the director and designers in theatre production. Students learn to effectively articulate, experiment with, synthesize, and integrate best practices in theatrical collaboration.

Prerequisites: Admission to appropriate School of Theatre graduate degree program or permission of instructor.

THR 615 Advanced Drama in Education 3

Current trends in advanced philosophies in drama in education and aesthetic education. Practical experience arranged with classes in local schools.

Prerequisites: THR 515 and admission to appropriate School of Theatre degree program or permission of instructor.

THR 617 Trends in Theatre for Young Audiences 3

Focus on analysis of nationally successful Theatre for Youth companies. Exploration of seasons, budgets, and outreach components of various companies.

Prerequisites: THR 517, THR 584, THR 615.

THR 620 Stage Dialects 3

Stage dialects most frequently used by the actor: Standard British, Cockney, Irish, Scots, French, German, Italian, Russian, Japanese, Brooklynese, American Southern.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

THR 621 Advanced Dynamics: Movement 2

Movement laboratory for the advanced actor.

Prerequisites: Admission to appropriate degree program: MFA in Drama, Acting Concentration.

Notes: May be repeated for a total of six credits.

THR 622 Advanced Dynamics: Voice 2

Voice and speech training to develop skills necessary for performance.

Prerequisites: Admission to MFA in Drama, Acting Concentration.

Notes: Three consecutive semesters to be repeated for a total of six credits.

THR 623 Advanced Physical Violence for the Stage 2

Advanced study and practice in the mechanics of stage violence.

Designed for graduate actors, this course will focus on safe performance techniques for violence in period and contemporary texts.

Prerequisites: Admission to MFA in Drama, Acting Concentration.

THR 631 Studies in Acting 3

Special studies and practices in acting techniques. Emphasis on contemporary drama.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

THR 632 Contemporary Acting II 3

Contemporary ensemble acting techniques and their application to ensemble style and playing.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

THR 633 Period Acting II 3

Study and practice of acting styles from the periods of Classical Greek, Roman, Medieval, Restoration/Georgian, Victorian/Edwardian drama.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

THR 645 Advanced Theatre Graphics 3

Theatre graphics for performance design, drafting, perspective, figure drawing, and rendering.

THR 648 Portfolio Preparation for the Theatre and Academia 3

This course guides students in developing the materials and skills necessary to present their education and experience to employers in the most effective manner, including resumes, cover letters and portfolios.

THR 651 Scene Design Seminar 3

Topics in scene design. Topics may include conceptual development, drawing and rendering techniques, model building, and generation of computer graphics.

Prerequisites: Admission to MFA in Drama, Design Concentration.

Notes: This course may be repeated once for 3 credits when topic varies.

THR 655 Scene Design Styles 3

Topics in Scene Design Applications. Topics may include study of theatrical genres and variations in physical space and relationship to audiences.

Prerequisites: Admission to MFA in Drama, Design Concentration.

THR 656 Scene Design Application 3

Topics in Scene Design Applications. Topics may include design conceptualization and development, professional standards for drafting and elevations, rendering and models.

Prerequisites: THR 655 and admission to MFA in Drama, Design Concentration.

THR 660 Costume Design Seminar 3

Topics in costume design. Topics may include conceptual development, drawing and rendering techniques, and generation of computer graphics.

Prerequisites: Admission to MFA in Drama, Design Concentration.

Notes: This course may be repeated once for 3 credits when topic varies.

THR 665 Costume Design Styles 3

Topics in Costume Design Styles. Topics may include varying dramatic genres, studies of costume style presentation appropriate for performance trends.

Prerequisites: Admission to MFA in Drama, Design Concentration.

THR 666 Costume Design Application 3

Topics in Costume Design Applications. Topics may include design conceptualization and development, as well as professional standards for illustrating action figures, specific fabrics, and developing costume production charts.

Prerequisites: THR 665 and admission to the MFA in Drama, Design Concentration.

THR 671 Lighting Design Seminar 3

Topics in lighting design. Topics may include technology of moving fixtures, techniques of image and effect projection, and techniques of lighting for film.

Prerequisites: Admission to MFA in Drama, Design Concentration or permission of instructor.

Notes: May be repeated once when topic varies for a total of 6 credit hours.

THR 675 Lighting Design Styles 3

Advanced problems of lighting design for theatrical productions in performance. Studies can include studio design exploration in the different genres of plays, musicals, and opera.

Prerequisites: Admission to MFA in Drama, Design Concentration or permission of instructor.

THR 676 Lighting Design Application 3

Creative topics in lighting design emphasizing collaborative approaches to produced work for public performance.

Prerequisites: THR 675 and admission to MFA in Drama, Design Concentration or permission of instructor.

THR 680 Seminar in Playwriting 3

Theory and practice of writing plays for stage production.

Prerequisites: Permission of instructor.

Notes: May be repeated once for credit.

THR 685 Seminar in Scenography 3

Scenographic theory and practice for performance design.

THR 690 Graduate Practicum in Theatre 2

Guided practice under rigorous artistic standards in carrying out major responsibilities in UNCG Theatre or Theatre for Youth major productions.

Prerequisites: Admission to appropriate School of Theatre degree program and permission of instructor.

THR 691 Graduate Practicum in Costume Design 2

Guided practice under rigorous artistic standards in carrying out major costume design responsibilities in the School of Theatre's production season or other faculty approved venues.

Prerequisites: Admission to appropriate School of Theatre degree program.

THR 692 Graduate Practicum in Lighting Design 2

Guided practice under rigorous artistic standards in carrying out major lighting design responsibilities in the School of Theatre's production season or other faculty approved venues.

Prerequisites: Admission to appropriate School of Theatre degree program.

THR 693 Graduate Practicum in Scene Design 2

Guided practice under rigorous artistic standards in carrying out major scene design responsibilities in the School of Theatre's production season or other faculty approved venues.

Prerequisites: Admission to appropriate School of Theatre degree program.

THR 695 Independent Study 1-3

Prerequisite: Admission to appropriate School of Theatre degree program or permission of instructor, major advisor and School Director.

THR 696 Advanced Experimentation 3

Preparation for the evaluation of experiences in the creative processes of theatre, broadcasting, or film. Analysis, documentation, and critical evaluation of the specific experience.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

THR 698 Graduate Internship 3

Field experience in local production companies, post-production houses, television stations or professional theatre companies. Academic supervision provided by faculty and directed activity in the field provided by site supervisor.

Prerequisites: Second or third year standing in the graduate program.

THR 699 Master Production in Theatre 3

Research, development, and execution in acting, directing, or design of a major theatrical production.

Prerequisites: Admission to appropriate School of Theatre degree program or permission of instructor.

THR 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

UNC Exchange (UNCX)

UNCX 110 UNC Online Placeholder 1

UNCX 120 UNC Online Placeholder 2

UNCX 130 UNC Online Placeholder 3

UNCX 140 UNC Online Placeholder 4

UNCX 610 UNC Online Placeholder 1

UNCX 620 UNC Online Placeholder 2

UNCX 630 UNC Online Placeholder 3

UNCX 640 UNC Online Placeholder 4

UNCX 730 UNC Online Placeholder 3

Visual and Performing Arts (VPA)

VPA 210 Body Mapping: What Every Performer Needs to Know About the Body 2

Introduces the concept of body mapping (our mental representations of structure, function, and size) and provides a weekly laboratory for "updating" these maps during practical activity and experimental movement.

Prerequisites: Freshman, sophomore, or junior standing.

VPA 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

VPA 323 The Arts as Human Experience 3

An examination of the meaning of the arts experience, including its historical and personal significance. Includes reading and related work in art, dance, drama, and music.

Notes: Same as ART 323, DCE 323.

VPA 324 The Arts as Social Change: Theory and Practice 3

Students will examine the ways in which the arts create social change in our institutions and communities through an exploration of theory and case studies, and an engagement in practice.

VPA 330 Dance for Musical Theatre 3

For students interested in developing dance skills to be used specifically for the musical theatre genre, including tap, ballet, jazz and contemporary. Various pieces of choreography will be set in class.

VPA 338 Exploring Performing Arts Cultures 1-3

Course is used for Music, Theatre and Dance study trips. Offered only when a course accompanies a specific trip.

Prerequisites: Determined by needs of specific trip.

Notes: Grade: Pass/Not Pass (P/NP).

VPA 351 Musical Theatre Audition Technique II 1

For undergraduate students interested in the continued and advanced development of their musical-theatre audition skills.

Prerequisites: THR 357 or permission of instructor.

VPA 360 Introduction to Community Arts 3

This course introduces students to the history and theory of community arts, frameworks for building collaborative relationships and shared leadership in community, and current community arts projects around the world.

Prerequisites: Undergraduate Sophomores or above in any of the following College of Visual and Performing Arts Majors: Art, BA, Studio Art, BFA; Art Education, BFA, LIC.; Arts Administration, BA; Dance Studies, BA, LIC.; Dance Performance and Choreography, BFA, LIC.; Drama, BA, BFA, LIC.; Music, BA; Music Performance, BM; Music Education, BM, LIC.

VPA 361 Community Arts Methods 3

This course explores a range of community arts methods including community research and relationship building, project development and logistical planning, social practice methods, developmentally appropriate teaching strategies, and curriculum development.

Prerequisites: VPA 360.

VPA 364 Community Arts Intensive 6

In 10 full-day workshops students will develop a tool-kit of specific project implementation strategies and evaluation methods as they pilot, troubleshoot, and refine their proposed community arts projects.

Prerequisites: VPA 361.

VPA 369 Community Arts Internship 3

During this course, students will implement a previously planned community arts project with an established community partner, under supervision of UNCG faculty.

Prerequisites: VPA 364.

VPA 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

VPA 402 Entrepreneurship in the Performing Arts 3

Focus on entrepreneurship knowledge, skills and career development in the performing arts.

Prerequisites: Junior or senior standing.

Notes: Same as ENT 402, MUP 402.

VPA 428 Research Methods in Social Practice 3

This interdisciplinary course explores research methods in Social Practice, an art form that employs diverse strategies for participatory and experiential art within a range of contexts, spaces and media.

Notes: May be repeated twice for credit.

VPA 454 The Alexander Technique for Performers 3

An active and scholarly exploration of the Alexander Technique to unlock creativity, discover freedom and ease in performance, reduce stress and tension throughout the body, and prevent performance-related injuries.

Prerequisites: Junior, senior, or graduate standing.

VPA 528 Research Methods in Social Practice 3

This interdisciplinary course explores research methods in Social Practice, an art form that employs diverse strategies for participatory and experiential art within a range of contexts, spaces and media.

Notes: May be repeated twice for credit.

VPA 555 The Alexander Technique for Performers 3

An active and scholarly exploration of the Alexander Technique to unlock creativity, discover freedom and ease in performance, reduce stress and tension throughout the body, and prevent performance-related injuries.

Prerequisites: Junior, senior, or graduate standing.

VPA 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

VPA 638 Exploring Performing Arts Cultures 1-3

Music study trips. Offered only in conjunction with a specific trip.

Prerequisites: To be determined by needs of specific trip.

Western Civilization (WCV)

WCV 101 Western Civilization 3

Interdisciplinary study of Western Civilization emphasizing critical developments from ancient to modern times.

GE Core: GHP

GE Marker: GL

LEC: GPM

Women's and Gender Studies (WGS)

WGS 150 Gender, Race, and Sexuality 3

Students will address the complex historical and contemporary relationships among gender, race, and sexuality as important and interdependent aspects of social life.

GE Core: GRD

WGS 250 An Introduction to Women's and Gender Studies 3

An interdisciplinary introduction to the study of gender through images, roles, and status in U.S. history and culture. Special attention given to developing critical frameworks for understanding gender in society.

GE Core: GSB

WGS 270 Introduction to LGBTQI Studies 3

An introduction to the academic study of lesbian, gay, bisexual, transgender, queer, and intersex histories, experiences, and cultures.

WGS 300X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

WGS 310 Christianity and the Construction of Gender 3

Study of the role of categories of male and female in the creation and maintenance of Christian notions of holiness, authority, and hierarchy in historical perspective.

Notes: Same as REL 310.

WGS 311 Gender and Violence 3

An exploration of gender-based violence in contemporary culture and social life. Topics discussed may include assault, stalking, intimate partner violence, and media portraits of gender violence.

Notes: Students cannot receive credit for both WGS 311 and SOC 419 or WGS 419.

WGS 312 Judaism and the Construction of Gender 3

Jewish understandings of gender from ancient to modern times, with focus on law and tradition, roles in the Jewish community, family, sexuality, and Jewish theology.

Notes: Same as REL 312.

WGS 329 Sociological Perspectives on Gender 3

Inquiry into status of women in society with emphasis on socialization, structural and institutional relationships, and continuities and discontinuities in women's roles across the life cycle.

Notes: Same as SOC 329.

WGS 333 Postcolonial and Transnational Feminisms 3

Examines histories of, and critical feminist responses to, western colonialism and imperialism. Explores the construction of race, gender, class, and sexuality within imperial projects and anti-imperial movements.

GE Core: GHP

GE Marker: GN

LEC: GMO

Prerequisites: WGS 250.

WGS 350 Introduction to Feminist Theories 3

Explores and evaluates feminist theories in a socio-historical context.

Raises questions about their implications for different methods of inquiry and about the nature of knowledge and rational thought.

GE Core: GPR

Prerequisites: WGS 250 or permission of instructor.

WGS 374 Ecofeminism 3

Study of Ecofeminism as a philosophy and social movement that focuses on interconnections between feminism and environmentalism. Analysis of paradigms and inequalities that devalue and oppress both 'women' and 'nature'.

WGS 375 Topics in Native American and Indigenous Studies 3

Exploration of the literatures, cultural productions, histories, and politics of indigenous peoples. Topic will vary depending on section.

Notes: May be repeated for credit when topic varies. Same as ENG 375.

WGS 400 Independent Study 1-3

Intensive independent study of specialized topics.

Prerequisites: Permission of sponsoring instructor.

Notes: May be repeated once for credit.

WGS 400X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

WGS 419 Gender, Crime, and Deviance 3

Examines key questions in scholarly literature on gender, crime, and deviance: how gender socialization, gender roles, and institutions affect males' and females' offending, deviant behavior, and victimization.

Notes: Same as SOC 419. Students cannot receive credit for both WGS 419 and WGS 311.

WGS 430 Critical Sexuality Studies and Queer Theory 3

Examines sexuality as an identity and an object of knowledge in connection to race, class, and gender. Includes exploration of the history of, and new developments in, queer theory.

Prerequisites: WGS 350 or permission of instructor.

WGS 440 Social Entrepreneurship: Justice and a Green Environment 3

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

Prerequisites: Upper-division undergraduate status.

Notes: Same as BUS 440, ENT 440, PCS 440.

WGS 450 Topics Seminar in Women's and Gender Studies 3

An in-depth study of a selected topic or topics in Women's and Gender Studies involving directed reading and research.

Notes: May be repeated for credit when topics vary.

WGS 460 Internship in Women's and Gender Studies 3

Practical experience in a variety of professional settings. Includes biweekly seminar with internship coordinator. Students complete at least 7–10 hours a week at internship sites.

Prerequisites: WGS 250, plus 6 additional hours in WGS. 6 hours in core courses in major, if other than WGS;

Notes: For Women's and Gender Studies majors and minors only.

WGS 490 Women's and Gender Studies Senior Capstone Course 3

Senior-level work on a major theme in the field of Women's and Gender Studies. Each student will design and complete a culminating research project.

Prerequisites: Women's and Gender Studies Major.

WGS 493 Honors Work 3-6

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

Notes: May be repeated for credit if the topic of study changes.

WGS 530 Critical Sexuality Studies and Queer Theory 3

Examines sexuality as an identity and an object of knowledge in connection to race, class, and gender. Includes exploration of the history of, and new developments in, queer theory.

Prerequisites: WGS 350 or permission of instructor.

WGS 540 Social Entrepreneurship: Justice and a Green Environment 3

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

Notes: Same as ENT 540, PCS 540, WGS 540.

WGS 600 Independent Study 3-6

A research or creative project related to women's and gender studies supervised by a WGS faculty member.

Prerequisites: At least 9 hours with a B (3.0) average or better.

WGS 600X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

WGS 601 Women's and Gender Studies Internship 3

Supervised experience related to women's and gender studies; may include teaching internship, service learning opportunity, applied research experience, or internship in organizations and agencies that work on women's concerns or serving women in the community.

Prerequisites: For master's students, at least 15 semester hours of graduate level course work including WGS 650 and WGS 651.

WGS 602 Internship Seminar 3

Prerequisite: At least 15 credit hours of graduate level course work including WGS 650 and WGS 651;

Corequisites: WGS 601.

WGS 650 Feminist Theory: Intersections of Gender, Race and Class 3

Introduces feminist social movements across historical and global contexts. Relies on interdisciplinary lenses and epistemologies, particularly as contested identity politics intersect with other systems of power and relationships.

WGS 651 Feminist Research Analysis 3

Feminist approaches to philosophical and practical inquiries: data collection, analysis, and presentation. Prepares students to critically read research to understand the place of gender in lived experiences and institutional spaces.

Prerequisites: WGS 650.

WGS 670 Race, Gender, and U.S. Empire 3

Interdisciplinary investigation of the social construction of race and gender in the context of U.S. warfare and imperial statecraft. Examines critiques of US empire using critical race and feminist frameworks.

WGS 699 Thesis 1-6

Individual guidance in the development of a specific research problem.

Notes: May be repeated for a maximum of 6 hours credit.

WGS 706 Topics in Gender and Sexuality Studies 3

Intensive work at an advanced level on a selected topic in Gender and Sexuality Studies.

Notes: Same as ENG 706.

WGS 711 Experimental Course: Race, Gender, and US Empire 3

Interdisciplinary investigation of the social construction of race and gender in the context of US warfare and imperial statecraft. Examines critiques of US empire using critical race and feminist frameworks.

WGS 750X Experimental Course 1-6

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

WGS 803 Research Extension 1-3

Research Extension.

COLLEGE OF ARTS AND SCIENCES

105 Foust Building • 336-334-5241 • aas.uncg.edu

John Z. Kiss, *Professor and Dean of the College*

Amy Adamson, *Professor and Associate Dean for Research*

Chuck Bolton, *Professor and Associate Dean*

Dayna Touron, *Professor and Associate Dean*

About

Through its programs, courses, and faculty, the College of Arts and Sciences empowers students to succeed by embracing the challenges of a complex, changing world. A liberal education also prepares students for informed and reflective participation in society, for sustained cultural and aesthetic enjoyment, and for a lifetime of learning.

Mission Statement

The College of Arts and Sciences promotes discovery and learning by students and faculty in the sciences, the humanities, and the arts. Firmly grounded in a tradition of rigorous disciplinary inquiry, the College also recognizes the value of connections made across disciplinary boundaries and so supports and encourages interdisciplinary and collaborative scholarship and teaching. The College is dedicated to the liberal arts mission of higher education, which is to develop the knowledge and understanding needed by citizens of a free and just society. The College faculty are committed to offering courses and programs that prepare students to meet the challenges they will face throughout their lives by emphasizing skills of reasoning, writing, speaking, and independent thinking.

Dean's Welcome

Welcome to The College of Arts & Sciences at The University of North Carolina at Greensboro. We are the largest of the university's seven academic units, with 19 departments and six interdepartmental programs that encompass the arts, humanities, social sciences, natural sciences, and mathematics. Through this diversity of offerings, the College provides an education that will give you the skills and knowledge needed for success in the complex and changing world you will face after graduation.

No matter where your career takes you, it will be important to remain flexible and confident of your ability to succeed throughout your working life. Employers are interested in people with flexible skills and a wide-ranging, multidisciplinary perspective. This is just what the College of Arts & Sciences has designed its curriculum to provide. The 21st century world may be full of unexpected challenges, but your experience here will prepare you to embrace those challenges as well as the opportunities they bring with them.

There are a number of ways in which faculty and staff guide your intellectual development so that you can succeed in your studies and prepare for the wide variety of career paths that will be open to you. We emphasize, for example, strong writing and speaking skills, critical thinking, international understanding, research and other "hands-on" experience. As you gain deeper knowledge in your major, you'll be encouraged to also explore electives across a variety of subjects.

Therefore, becoming conversant in more than one field is another important benefit of your time in the College.

Across all of the College's academic programs, our renowned faculty members share a deep commitment to advancing discovery and learning; they bring that commitment both to classroom settings and to hands-on experiences such as research and internships. Your professors will be accomplished researchers, scholars, and artists, many with national and international reputations. At the same time, they are enthusiastic and dedicated teachers. Whatever the setting, their teaching and mentoring is informed and enlivened by their personal involvement in discovering new knowledge, exploring new artistic forms, or applying the results of research in new contexts.

I invite you to explore the College and what a learning experience here might mean for you. Each of our departments and programs (<https://aas.uncg.edu/departments>) has its own web site. You'll find that by maintaining strong programs of research and scholarship, the College faculty work to advance our understanding of fundamental problems facing society today. You, too, will be able to use the knowledge and skills you learn here to succeed in the paths you take after graduation, enriching your own life while contributing to society.

John Z. Kiss, Ph.D.
Dean

Advising

CASA, the College advising center, provides academic assistance for first-year students.

General Education and/or LEC Credit through Study Abroad

In addition to the previously listed General Education courses, students may receive General Education Core and Marker credit and Additional College General Education (LEC) credit for courses taken through Study Abroad. For more information, see the General Education Program topic in the University Requirements section of this catalog.

Majors

Requirements for each of the degrees offered by the College of Arts and Sciences are included in the descriptions of majors, concentrations, and minors under the respective departments.

Major Requirements

Major requirements are described for each program listed. A course cross-listed in the major department must be taken within the major and counts toward the total hours in the major.

Minor Requirements

Most departments and interdepartmental programs of the College offer a minor program which may be taken in conjunction with a major. A minor usually requires 15 to 21 credit hours in a department. No more than 8 of the department credits may be taken at the 100 level and at least 9 credits must be taken in residence at UNC Greensboro.

Second Majors

A student may take a second major in conjunction with the first major. This program requires a minimum of 27 credits in each of two approved majors. All requirements of each major must be met; hours from the second major can be applied toward General Education requirements.

A student with a first major outside the College who chooses a second major in one of the College departments is required to complete all of

the departmental requirements for the second major but need not satisfy the Additional College General Education requirements (LEC). Similarly, students who are seeking either a dual degree or a second degree are exempt from the Additional College General Education requirements (LEC). In the case of transfer students, at least 15 credits in each major must be taken at UNC Greensboro.

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Liberal Education Commitment (LEC)

The faculty of the College of Arts and Sciences affirms the enduring value of a liberal arts education. The Liberal Education Commitment (LEC) of the College aims to expand and extend student knowledge beyond the General Education Core. In order to achieve a deeper, richer understanding of the liberal arts, students who commit to a major in the College are obligated to take complementary courses as outlined below.

Humanities (GLT—Literature; GFA—Fine Arts; GPR—Philosophical/Religious/Ethical Perspectives)

In addition to the 9 credit hours required in the university's General Education Core (GEC), students should complete an additional 3 credits in a GLT course.

Historical Perspectives (GHP)

LEC Subcategories

GPM—Pre-Modern Historical Perspectives

GMO—Modern Historical Perspectives

Students must complete a total of 6 credits in GHP courses, with one course chosen from the premodern (GPM) list and one from the modern (GMO) list.

Natural Sciences (GNS)

LEC Subcategories

GLS—Life Science

GPS—Physical Science

Students must complete a total of 9–10 credits in GNS courses, with at least one course chosen from the Life Science (GLS) list, and at least one course chosen from the Physical Science (GPS) list. One of the three must include a laboratory.

Social and Behavioral Sciences (GSB)

Students must complete a total of 9 credits in GSB courses, with courses taken from at least two different academic departments.

Foreign Language (GFL)

Students are required to demonstrate intermediate-level proficiency in a foreign language. The typical sequence of UNC Greensboro courses for foreign language is 101, 102, 203, and 204. The college considers successful completion of the 204 course a demonstration of proficiency. Students may place out of one or more courses through a placement test.

Students whose high school courses were taught in a foreign language may document their proficiency with a high school transcript. Students who are proficient in a language other than those taught at UNC Greensboro may submit a letter of certification from a professor at any accredited US college or university documenting proficiency.

Six credits of foreign language course work, with the exception of American Sign Language, may be used toward the General Education marker requirement of 12 credits of Global (GL) or Global Non-Western (GN) courses.

Petitions for exemption from the foreign language requirement will be considered only in the most exceptional circumstances when an otherwise qualified student has submitted evidence that the Modified Foreign Language Program in Spanish cannot provide appropriate accommodations for his or her disability or language-learning difficulty. Students with documented learning disabilities or demonstrable long-standing difficulties learning a foreign language can apply for the Modified Foreign Language Program through which they may demonstrate proficiency. In very rare cases, a substitution for the 203 and/or 204 level of a foreign language may be considered.

The following reasons do not merit an appeal:

- Change of major from a professional school to the College of Arts and Sciences, or change within the College of Arts and Sciences from a B.F.A. to a B.A. degree.
- Concerns about grade point average (GPA)
- Dislike of the requirement
- Failure to plan adequately for the graduation timeline, including interruptions of the foreign language sequence that make future foreign language success more difficult
- Failure to succeed in a single course
- Misunderstanding of the degree requirements
- Differences in General Education requirements between the College of Arts and Sciences and previously attended institutions
- Waivers or substitutions offered by previously attended institutions

Please contact College of Arts and Sciences Advising at 336-334-4361 for further information.

For information concerning the Modified Foreign Language Program, see:

llc.uncg.edu/about/modified-foreign-language-program/

Students are reminded that they will be eligible for election to the UNC Greensboro chapter of Phi Beta Kappa only if they have completed the equivalent of 6 credits of foreign language study, excluding American Sign Language, at the intermediate (203–204) college level.

Writing Intensive Courses (WI)

Students in the College of Arts and Sciences must complete a total of four Writing Intensive (WI) courses:

At least one of the four Writing Intensive courses must be in the student's primary major and at least one must be in the upper division (300 and above). A single course may satisfy both the requirement for a course in the major and the requirement for a course in the upper division, as long as a total of four Writing Intensives are taken.

Transfer Students

- Students with 30–59 transfer credits are required to take three Writing Intensive courses. One of the three must be in the student's primary major and at least one must be in the upper division (300 and above). A single course may satisfy both the requirement for a course in the major and the requirement for a course in the upper division, as long as a total of three Writing Intensives are taken.

- Students with 60–89 transfer credits are required to take two Writing Intensive courses. The two courses may be at any level, but at least one must be in the department or program of the primary major.
- Students with 90 or more transfer credits must take one Writing Intensive course. The course may be at any level from the department or program of the primary major.

NOTE: Writing Intensive courses may also meet General Education Core category, marker, or major requirements.

Students who obtain a score of 4 or higher on the English Advanced Placement Literature and Composition examination are exempted from one of the Writing Intensive courses. Contact the Department of English for further information.

African American and African Diaspora Studies

College of Arts and Sciences

349 Curry Building

336-334-5507

www.uncg.edu/afs

Cerise L. Glenn, *Director, African American and African Diaspora Studies Program*

Mission Statement

The African American and African Diaspora Studies Program (AADS) advances the university's commitment to diverse perspectives and inclusive learning environments through course offerings, programming, and community engagement. It fosters interdisciplinary study for undergraduate and post-baccalaureate students by examining how people of African descent have shaped our world. As a program located in a city with a history of Black sociopolitical movements, we provide a forum to engage the complexities of Black life across African diasporas.

About

Since 1982, the AADS Program has been central to UNC Greensboro's goal to provide its increasingly diverse student population with an opportunity to study the cultures, histories, and experiences of the African World—from Africa, to the Americas, the Caribbean, and the Indian Ocean.

Professor

Omar Hamid Ali^G

Tara Tanisha Green, *Professor and Linda Arnold Carlisle Distinguished Professor*^G

Associate Professor

Naurice F. Woods^G

Assistant Professor

Hewan Girma

Senior Lecturer

Michael D. Cauthen

Lecturer

Demetrius Noble

April Yaisa Ruffin Adams

G Graduate-level faculty.

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African American and African Diaspora Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		
HSS 490	Senior Honors Project	3
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in African American and African Diaspora Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Frank Woods at nfwoods@uncg.edu for further information and guidance about Honors in African American and African Diaspora Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

African American and African Diaspora Studies, B.A.

The African American and African Diaspora Studies major gives students an integrated and critical understanding of the experiences and contributions of peoples of African descent throughout the world.

African American and African Diaspora Studies students will be able to apply these theories and methods to better understand the social, political, and economic problems facing people of African descent. In addition, students graduating with the major will be well prepared for leadership in the African American community, in particular, and American society in general. The African American and African Diaspora Studies Program is committed to offering an academically challenging curriculum coupled with a solid foundation of liberal arts education.

The Cultural Arts concentration is for majors interested in developing their knowledge of African American performance, art, film, and music. Students who pursue this concentration will enhance their understanding of how culture, history, politics, gender, and art intersect.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
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Major Requirements

Code	Title	Credit Hours
Core Courses		18
<i>Required</i>		
ADS 201	Introduction to African American Studies [†]	
ADS 210	Blacks in American Society: Social, Economic, and Political Perspectives ^{††}	
ADS 315	Theories and Paradigms in African American Studies	
ADS 410	Seminar in African American Studies	
<i>Select one of the following:</i>		
ADS 376	Africana Literature	
ENG 374	Early African American Writers	
ENG 376	African American Writers after the 1920s	
<i>Select one of the following:</i>		
ADS 356	The Making of the African Diaspora	
HIS 301	Race and Slavery	
HIS 389	West Africa during the Atlantic Slave Trade	
Additional ADS and Related Area Courses		12
Select 12 credits from the following:		
ADS 200	African American Art History	
ADS 260	Understanding Race	
ADS 300		
ADS 305	Special Topics in African American Studies	
ADS 310	The Portrayal of African Americans in Film	
ADS 320	The African American Athlete	
ADS 325	Black Women in the U.S.	
ADS 330	Black Music as Cultural History: 1960-1980	
ADS 351	Race and Gender in Black Performance	
ADS 400	Independent Study	
ADS 454	Independent Black Politics 19th Century	
ADS 492	Internship in African American Studies	
ARH 211	Art and the African-American Presence	
ARH 370	African Art: Ancient Empires to Colonial Contact	
ARH 371		
ATY 440	Colliding Worlds: Forming America	
DCE 132	African Dance I	
DCE 232	African Dance II	
DCE 332	African Dance III	
ENG 315	Postcolonial Literatures	
HIS 203	History of Africa to 1870	
HIS 204	History of Africa since 1870	
HIS 302	Race and Segregation	

HIS 306	
HIS 399	
HIS 403	African American History: Selected Topics
HIS 424	Twentieth-Century U.S. History: Selected Topics
HIS 481	African History: Selected Topics
MUS 214	Jazz Appreciation
PHI 121	Contemporary Moral Problems
PSC 391	African Political Systems
PSC 392	The Politics of South Africa Through Film and Literature
REL 229	Introduction to African American Religions
REL 332	Contemporary African American Religious Thought
SOC 222	Sociology of Deviant Behavior
SOC 327	Race and Ethnic Relations
SOC 364	African American Social Thought
SOC 390	African American Perspectives on Crime
SOC 425	Contemporary Gangs in America
WGS 333	Postcolonial and Transnational Feminisms

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Cultural Arts

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Cultural Arts Concentration Requirements		
Code	Title	Credit Hours
12 credits as detailed below		12
<i>Required</i>		
ADS 400	Independent Study	
<i>Select 9 credits from the following:</i>		
ADS 200	African American Art History	
ADS 310	The Portrayal of African Americans in Film	
ADS 330	Black Music as Cultural History: 1960-1980	
ADS 351	Race and Gender in Black Performance	

† Counts toward GEC GHP requirement.

†† Counts toward GEC GSB requirement.

African American Studies Undergraduate Minor Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		
ADS 201	Introduction to African American Studies	

ADS 210	Blacks in American Society: Social, Economic, and Political Perspectives	
Additional ADS and Related Area Courses		12
Select 12 credits from the following:		
ADS 200	African American Art History	
ADS 260	Understanding Race	
ADS 305	Special Topics in African American Studies	
ADS 310	The Portrayal of African Americans in Film	
ADS 320	The African American Athlete	
ADS 325	Black Women in the U.S.	
ADS 330	Black Music as Cultural History: 1960-1980	
ADS 351	Race and Gender in Black Performance	
ADS 400	Independent Study	
ADS 454	Independent Black Politics 19th Century	
ADS 492	Internship in African American Studies	
ARH 211	Art and the African-American Presence	
ARH 370	African Art: Ancient Empires to Colonial Contact	
ATY 440	Colliding Worlds: Forming America	
DCE 132	African Dance I	
DCE 232	African Dance II	
DCE 332	African Dance III	
ENG 315	Postcolonial Literatures	
HIS 203	History of Africa to 1870	
HIS 204	History of Africa since 1870	
HIS 302	Race and Segregation	
HIS 403	African American History: Selected Topics	
HIS 424	Twentieth-Century U.S. History: Selected Topics	
HIS 481	African History: Selected Topics	
MUS 214	Jazz Appreciation	
PHI 121	Contemporary Moral Problems	
PSC 391	African Political Systems	
PSC 392	The Politics of South Africa Through Film and Literature	
REL 229	Introduction to African American Religions	
REL 332	Contemporary African American Religious Thought	
SOC 222	Sociology of Deviant Behavior	
SOC 327	Race and Ethnic Relations	
SOC 364	African American Social Thought	
SOC 390	African American Perspectives on Crime	
SOC 425	Contemporary Gangs in America	
WGS 333	Postcolonial and Transnational Feminisms	

African-American Studies, Post-Baccalaureate Certificate (Admission Suspended)

The Post-Baccalaureate Certificate in African American Studies is currently not accepting applications for admission.

The Post-Baccalaureate Certificate in African American Studies requires 15 semester hours of course work. At least half of the total hours of course work must be at the 600 level or above. Online curriculum requirements consist of five core course (15). Additional courses through

other programs and departments may be taken upon approval by the Director of Graduate Study. Residential curriculum requirements consist of a core course (3) and 12 hours of AFS-related electives. Students who are also enrolled in a degree program must take at least 6 hours of course work outside the degree-granting department. Course work must be successfully completed within five academic years. Courses fulfilling the certificate program may be used to meet the requirements in a degree program in accordance with the policies of The Graduate School.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions. In addition to the application materials required by The Graduate School, applicants must submit a 500-word statement.

Certificate Program Requirements

Required: 15 credit hours

Online Certificate Requirements

Code	Title	Credit Hours
Required Core Courses (15 credits)		
ADS 554 (COURSE INACTIVE)		3
ADS 610	African American Theoretical Perspectives	3
ADS 650	Topics in African American Gender Studies	3
ADS 652	Topics in Black Performance Studies	3
ADS 653	Perspectives on the African American Experience	3
Total Credit Hours		15

Residential Certificate Requirements

Code	Title	Credit Hours
Required Core Course (3 credits)		
ADS 610	African American Theoretical Perspectives	3
Electives (12 credits)		
Select 12 credits, with approval of the program graduate advisor, from the following:		12
ADS 650	Topics in African American Gender Studies	
ADS 652	Topics in Black Performance Studies	
ADS 653	Perspectives on the African American Experience	
ENG 650	Modern Literary and Cultural Theory *	
ENG 730	Studies in American Literature *	
ENG 735	Studies in African-American Literature	
ENG 737	Studies in Multi-Ethnic American Literature *	
GES 632	Geography of Livable Cities	
HIS 502	African American History: Selected Topics	
HIS 520	Southern History: Selected Topics *	
HIS 546	American Cultural History: Selected Topics *	
HIS 581	African History: Selected Topics *	
HIS 710	Colloquium in the Atlantic World *	
HIS 712	Slavery in the Americas	
HIS 713	African Americans after Slavery	
HIS 715	Atlantic World: Selected Topics *	
HIS 723	Selected Topics in Nineteenth-Century United States History *	
MUS 638	Exploring Musical Cultures *	

PSC 520	Urban Political System *
PSC 620	Urban and Regional Development Policy *
SOC 628	Social Movements *
SOC 651	Criminology *
WGS 650	Feminist Theory: Intersections of Gender, Race and Class *
WGS 651	Feminist Research Analysis *
Total Credit Hours	15

* When relevant.

Anthropology

College of Arts and Sciences

426 Graham Building
336-334-5132
www.uncg.edu/ant

Robert Anemone, *Head of Department*

Mission Statement

We teach, research, and practice anthropology to explore the human experience across time and space, critically analyzing the interactions between culture, identity, and power.

About

Anthropology is a broad discipline which includes biological anthropology—the study of humans as biological animals; cultural anthropology—the study of humankind in a cultural perspective; archaeology—the recovery and interpretation of ancient human cultural remains; and linguistics—the study of language in culture and society.

The undergraduate major provides for extensive study in cultural anthropology, archaeology, and biological anthropology. Majors who develop a particular interest in one of the subdisciplines may pursue a concentration in that area, or they may choose to take electives in multiple sub-fields. Majors have opportunities to work closely with members of the faculty on current research projects in the lab and in the field. Internships in various agencies are also available.

Anthropology as a major prepares individuals to pursue many avenues of career development. It is the basis for a career as a professional anthropologist. Anthropology combined with other courses of study as double majors enhances career possibilities and professional development. There are, moreover, increasing opportunities for anthropologists to work in government agencies, non-profits, and business. In such settings, anthropological knowledge of biology, culture, and long term patterns of cultural change may be applied to the solution of human problems.

Professor

Susan Andreatta^G
Robert Anemone^G
Arthur Dennis Murphy^G

Associate Professor

Charles P. Egeland^G
Donna Jean Nash^G
Linda F Stine^G

Assistant Professor
Cassandra Lin Workman

Senior Lecturer
Dorothy Irene Davis

Lecturer
Joel Duane Gunn
Brett Nachman
Emily Ann Schach
Richard C. Stuart

G Graduate-level faculty.

- Anthropology, B.A. (p. 254)
- Anthropology Undergraduate Minor (p. 255)
- Anthropology Second Academic Concentration (p. 255)

Disciplinary Honors in Anthropology Requirements

- A minimum of 15 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		6-9
ATY 493	Honors Work **	
HSS 490	Senior Honors Project ¹	
6 credits of Honors course work in the major *		6
3 credits of other Honors course work in the major or another area		3

* ATY 495 cannot be used as an Honors course.

** ATY 493 should be taken before HSS 490.

¹ Working with a faculty mentor, a senior honors project HSS 490 needs to consist of a 10,000 – 15,000 word thesis (or higher depending on the topic and size of the dataset) or a publishable paper (excluding title page and bibliography).

Recognition

Receive a Certificate of Disciplinary Honors in Anthropology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Charles Egeland at cpegeland@uncg.edu for further information and guidance about Honors in Anthropology. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Anthropology, B.A.

The General Anthropology Major provides training in human biological, social and behavioral science within the broader framework of a liberal arts education. The program presents a holistic view of the nature of humans in society, past and present, through courses in linguistics, prehistory, biological anthropology, and cultural anthropology. It provides a solid foundation for both a basic liberal arts education as well as for one of the concentrations in anthropology.

Student Learning Goals

Upon completion of the program, Anthropology majors will be able to: demonstrate a broad knowledge of cultural diversity, ethnocentrism, and cultural relativity; analyze the social, political, and religious structure of diverse societies; distinguish Old, New, and Post-Processual Archaeology, including the ability to recover and analyze artifacts from archaeological sites; demonstrate knowledge of the mechanisms of biological evolution and analyze fossil evidence for such; analyze phonemes, parts of speech, and the basic phrase structure of languages.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- All anthropology majors must complete a minimum of 34 credits in anthropology above the 100 level with an overall GPA in the major of at least a 2.0, including the courses as listed below.
- Although not a requirement beyond the 34 credit minimum, majors may choose to take additional courses in any of the subdisciplines: Archaeology, Cultural Anthropology, or Biological Anthropology. Students may select appropriate courses in consultation with a faculty member in one of the subdisciplines.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Core Courses		16
<i>Required</i>		
ATY 213	Introduction to Cultural Anthropology [†]	
ATY 253	Introduction to Biological Anthropology ^{††}	
ATY 253L	Introduction to Biological Anthropology Laboratory	
ATY 258	Introduction to Archaeology	
ATY 363	History of Anthropological Theory	
ATY 495	Contemporary Issues in Anthropology	
Methods		3
<i>Select one of the following:</i>		
ATY 360	Methods in Archaeology	
ATY 361	Methods in Biological Anthropology	
ATY 362	Methods in Cultural Anthropology	
Electives		15
<i>Select five additional ATY courses. *</i>		

* Three of these must be at the 400 level (in addition to ATY 495).

[†] Counts toward GEC GSB requirement.

^{††} Counts toward GEC GNS requirement.

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Anthropology Licensure in Social Studies High School Teaching

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Anthropology Licensure in Social Studies High School Teaching

Students majoring in anthropology may seek Standard Professional I teacher licensure in comprehensive social studies with an endorsement in anthropology. Completion of licensure requirements will allow majors to teach Social Studies as well as anthropology in secondary school. See School of Education Licensure Programs for complete requirements. Many of the requirements for licensure satisfy liberal education requirements in the college as well as for the major and the Social Studies requirements. Majors who wish to pursue the Standard Professional I License in social studies should consult with the departmental Social Studies committee representative.

Anthropology Undergraduate Minor

Students in consultation with a member of the department may plan a minor to enhance their career objectives as they choose. They may also take approved independent study courses or approved selected topics courses.

Program Requirements

- Minimum of 15 credit hours
- All minors are required to take 15 credits of courses with the ATY prefix.

Code	Title	Credit Hours
General Anthropology		13
ATY 213	Introduction to Cultural Anthropology	
ATY 253	Introduction to Biological Anthropology	
ATY 360	Methods in Archaeology	
ATY 363	History of Anthropological Theory	
Ethnology/Ethnography *		15
ATY 213	Introduction to Cultural Anthropology	
ATY 330	Cultures of North American Indians	
ATY 333	Latin American Societies and Cultures	
ATY 362	Methods in Cultural Anthropology	
ATY 465	Medical Anthropology	
Linguistics **		
ATY 385	Language and Culture	
Archaeology ¹		19
ATY 253	Introduction to Biological Anthropology	
ATY 258	Introduction to Archaeology	
ATY 360	Methods in Archaeology	
ATY 362	Methods in Cultural Anthropology	
ATY 370	Historical Archaeology	

ATY 453	Human Osteology	
Physical Anthropology ²		16
ATY 253	Introduction to Biological Anthropology	
ATY 331	Race and Human Diversity	
ATY 359	Forensic Anthropology	
ATY 455	Human Evolution	
ATY 453	Human Osteology	

* Especially useful for majors in Social Studies, History, Geography, Economics, and International Studies.

** Especially useful for majors in Language Arts, a foreign language, English, Professions in Deafness, Speech Pathology, Social Studies, and International Studies.

¹ Especially useful for majors in Classical Studies, Geography, and Environmental & Sustainability Studies.

² Especially useful for majors in Archaeology, Biology, Chemistry, Nutrition, and Psychology.

Anthropology Second Academic Concentration

The second academic concentration in Anthropology is designed specifically for Elementary Education Majors.

Requirements

- 18 credit hours

Code	Title	Credit Hours
Required		18
ATY 213	Introduction to Cultural Anthropology	
ATY 253	Introduction to Biological Anthropology	
ATY 258	Introduction to Archaeology	
<i>Select one methods course of the following:</i>		
ATY 360	Methods in Archaeology	
ATY 362	Methods in Cultural Anthropology	
ATY 453	Human Osteology	
<i>Select one elective at the 300 level</i>		
<i>Select one elective at the 400 level</i>		

Archaeology

College of Arts and Sciences

436 Graham Building
336-334-5132
www.uncg.edu/arc

Linda Stine, Chair, Archaeology Program, Department of Anthropology

Committee Members

Charles Egeland, Department of Anthropology
A. Asa Eger, Department of History
Maura K. Heyn, Department of Classical Studies
Robyn Leblanc, Department of Classical Studies
Joseph B. Mountjoy, Department of Anthropology, Emeritus
Joanne M. Murphy, Department of Classical Studies
Donna Nash, Department of Anthropology

Jeffrey C. Patton, Department of Geography
 P. Daniel Royall, Department of Geography
 Jeffrey S. Soles, Department of Classical Studies, Emeritus
 Roy Stine, Department of Geography
 Linda Stine, Department of Anthropology

The Archaeology Program at UNC Greensboro introduces students to past civilizations and cultures around the globe and to the analytical methods, techniques, and theories that archaeologists use to facilitate their study. The major is designed to develop anthropological, historical, and geographical perspectives in archaeological research, encompassing prehistoric and early historic cultures. The Program's faculty is actively involved in research and/or fieldwork in the Mediterranean region, the Middle East, North America and South America, and students participate in these or other field work projects in addition to meeting classroom requirements. Graduates of the Program are prepared for advanced training in archaeology and museum studies; cultural resource management; team leading in a variety of settings; and other professions for which critical thinking and good communication skills are necessary.

- The Archaeology Program offers the Archaeology concentration in the Special Programs in Liberal Studies Major: See the Special Programs in Liberal Studies Major (p. 382) for requirements.
- Archaeology Undergraduate Minor (p. 256)

Archaeology Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Archaeology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Maura Heyn at mkheyn@uncg.edu for further information and guidance about Honors in Archaeology. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Archaeology Undergraduate Minor Program Requirements

- Minimum of 15 credit hours

The Archaeology minor requires completion of a minimum of 15 credits with 9 credits chosen from the Core Requirements and 3 credits chosen from each category of the Area Requirements of the Special Programs in Liberal Studies Major, Archaeology Concentration, B.A.

Bachelor of Arts in Liberal Studies

College of Arts and Sciences

119 McIver Street
 336-334-4977
<http://bls.uncg.edu>

Wade Maki, Director, Bachelor of Arts in Liberal Studies Program
Katie Mkheidze, Academic Advisor, Bachelor of Arts in Liberal Studies Program

Humanities Committee Members

Wade Maki, Director, Bachelor of Arts in Liberal Studies Program
 Kathleen E. Forbes, UNC Greensboro Online
 Brooke Kreiting, Department of Languages, Literatures and Cultures
 Sarah Krive, Bachelor of Arts in Liberal Studies Program
 Carrie Levesque, Bachelor of Arts in Liberal Studies Program
 Matthew McKinnon, Bachelor of Arts in Liberal Studies Program
 Katie Mkheidze, Academic Advisor
 Ann Millett, Bachelor of Arts in Liberal Studies Program
 Jay Parr, Bachelor of Arts in Liberal Studies Program
 Stephen Ruzicka, Department of History
 Anita Warfford, College of Arts and Sciences

Social Sciences Committee Members

Wade Maki, Director, Bachelor of Arts in Liberal Studies Program
 Robert Anemone, Department of Anthropology
 Joyce Clapp, Department of Sociology
 William Crowther, Department of Political Science
 Rob Guttentag, Department of Psychology
 Martijn Van Hasselt, Department of Economics
 Corey Johnson, Department of Geography
 Sarah Krive, Bachelor of Arts in Liberal Studies Program
 Katie Mkheidze, Academic Advisor, Bachelor of Arts in Liberal Studies Program
 Christopher Poulos, Department of Communication Studies
 Anita Warfford, College of Arts and Sciences

Programs of Study Humanities

The Special Programs in Liberal Studies, Humanities Concentration, is an interdisciplinary and multidisciplinary online degree program. The program is designed to provide students with an opportunity to earn their baccalaureate degree online by gaining a thorough understanding of the humanities, the interconnections among them, and their relevance to individuals and to modern society. The humanities are broadly defined to include those disciplines that study people—their ideas, their history, their literature, their artifacts, and their values. The program will investigate individual people in their solitude, life together in societies, and models of and for reality that constitute cultures. Individual courses will tackle the Big Questions that have been the traditional province of the humanities such as “What makes a life worth living?” The program is designed to enhance the student’s ability to:

- Think critically and analytically.
- Communicate clearly and effectively.
- Understand and explain interconnections among the Humanities disciplines.
- Appreciate the wide range of human experience.

- Achieve increased depth of knowledge in one of the four categories of the Humanities: Literature, Fine Arts, Philosophy/Religion/Ethics, Historical Perspectives.

Professional Studies

The Special Programs in Liberal Studies, Professional Studies concentration, is an interdisciplinary and multidisciplinary online program. The program is designed to provide students with an opportunity to earn their baccalaureate degree online by combining course work from the humanities, social sciences, and other fields in a curriculum that emphasizes the skills and knowledge that will be helpful in the workplace. Upon completing the Special Programs in Liberal Studies Professional Studies Concentration students will be able to:

- Communicate clearly and effectively in an appropriate professional style.
- Read texts with careful attention.
- Think critically and analytically.
- Connect learning in the humanities, social sciences, and other fields to their professional lives.

Social Sciences

The Special Programs in Liberal Studies, Social Sciences Concentration, is an interdisciplinary and multidisciplinary online program. The program is designed to provide students with an opportunity to earn their baccalaureate degree online by gaining a broad-based understanding of the social sciences. The social sciences are the fields of academic scholarship that explore aspects of human behavior and societies. Upon completing the Special Programs in Liberal Studies Social Sciences concentration students will be able to:

- Engage theory and practice in the social sciences to better understand human behavior, activities, organizations, and cultures.
- Critically analyze social science related information in the popular media.
- Explain the interconnections, differences, and interdependence among the social sciences.
- Read, evaluate, and interpret research in the social sciences.
- Communicate clearly and effectively in an appropriate professional style.

Senior Lecturer

Joyce F. Clapp
Matthew John McKinnon
Ann E. Millett

Lecturer

Linda C Ceriello
Sarah Jane Gates
Sarah A. Krive
Carrie Levesque
Jay Parr
Erin Ashley Poythress
Joseph A Ross

The Bachelor of Arts in Liberal Studies Program offers the following concentrations in the Special Programs in Liberal Studies Major:

- Humanities
- Professional Studies
- Social Sciences

Students in the BLS Program who have previously completed a foreign language through the 102 level, with a subsequent learning gap of five years or more, may apply to the program for permission to use culture-track courses in English (from a list pre-approved by the College Appeals Committee) as substitutions for the intermediate-level 203 and 204 language classes.

See the Special Programs in Liberal Studies Major (p. 382) for requirements.

Biology

College of Arts and Sciences

312 Eberhart Building
336-334-5391
www.uncg.edu/bio

Matina Kalcounis-Rüppell, *Head of Department*
Paul Steimle, *Director of Graduate Study*

Mission Statement

The UNC Greensboro Department of Biology endeavors towards excellence in conducting research and teaching biological concepts and skills to biology majors and graduate students, to prepare them for professional careers and more advanced study. We introduce non-biology majors to the foundations and applications of biology. By involving undergraduate and graduate students in research, we contribute to and increase society's knowledge across the broad spectrum of biology. We train doctoral students in Environmental Health Science, a complex and rapidly changing discipline. Through laboratory training and directed research experiences, we enhance our students' technical and analytical skills so that they can contribute meaningfully to an increasingly technological world. Our leadership in scientific innovation and discovery serves our students, profession, and our local and global communities.

About

The Department of Biology has a strong commitment to teaching at both the undergraduate and graduate levels. Recipients of undergraduate biology degrees find employment in a wide range of fields and are well-prepared for further study in graduate school and in health-related professions such as medicine, dentistry, and veterinary medicine. Writing- and speaking-intensive courses and laboratory classes help develop communication and research skills.

The department's tradition of excellence in education is complemented by a faculty actively engaged in research in areas ranging from molecular biology and biochemistry to ecology and evolution. Students are encouraged to gain research experience through independent study with a faculty mentor.

Transfer Credit

Credit for courses above the 100 level is transferred as Biology elective credit only. To establish transfer credit for specific Biology courses above the 100 level, students should contact the Director of Undergraduate Studies or Associate Head. Transfer students are reminded that at least 12 semester hours in the major must be completed at UNC Greensboro.

Biology as a Second Major

Students who wish to declare a second major in Biology must complete all requirements listed above under the degree selected.

Biology Standard Professional I License Only

Students who have already completed an undergraduate degree and who are now seeking the Standard Professional I License in Biology must complete the requirements for a B.A. or B.S. in Biology at UNC Greensboro with a biology grade point average of 2.50 or better. Course selection must be completed in consultation with the Head of the Department of Biology.

Students who have already taken biology courses as part of their undergraduate program should contact the Head of the Department of Biology to determine if any of those courses can be accepted as meeting some of the requirements for the Standard Professional I License in Biology at UNC Greensboro.

Direct questions about these requirements to the Head of the Department of Biology.

Graduate Programs

Graduate students enrolled in either program have the opportunity to work with a research advisor from among 23 full-time faculty. Research areas range from the ecological to the cellular level, and include aquatic ecology, trophic interactions in lakes and streams, plant-microbe-herbivore interactions, microbial food chains, infectious disease ecology, plant evolution and population ecology, animal behavior, aging, cell motility, developmental, chromosome, cell cycle and viral genetics, neuroendocrine control of metamorphosis and glucose homeostasis. (Go to <https://biology.uncg.edu/position/research-faculty/> for a detailed descriptions of faculty research). The broad range of training and research expertise among faculty members allows for an integrative approach to research studies in Biology for the M.S. degree and in Environmental Health Science for the Ph.D. degree. Faculty in the department are funded from the National Institutes of Health, the National Science Foundation, and a variety of private funding agencies.

Professor

- Amy L. Adamson^G
- Bruce K. Kirchoff^G
- John Z Kiss^G
- John J. Lepri^G
- Yashomati Mulchand Patel^G
- Olav Rueppell, *Florence Schaeffer Distinguished Professor*^G
- Robert H. Stavn^G
- Paul A. Steimle^G

Associate Professor

- Mark Daniel Hens^G
- Zhenquan Jia^G
- Karen S. Katula^G
- David L. Remington^G
- Malcolm D Schug^G
- John E. Tomkiel Dean^G
- Martin Tsz-Ki Tsui^G
- Gideon Wasserberg^G

Assistant Professor

- Ramji K Bhandari^G
- Louis-Marie Jean Fabrice Bobay^G
- Sally E Koerner^G
- Bryan S McLean^G
- Ayalew Ligaba Osen^G
- Kasie Tyler Raymann^G
- Joseph M Santin^G

Akira Terui^G

Visiting Assistant Professor

Han Li

Senior Lecturer

- Margaret K Hood
- Meg L. Horton
- Robin (Roberta) Maxwell
- Ann Berry Somers
- Elizabeth S Tomlin

Lecturer

- David Albert Battigelli
- Joseph Clayton Bundy
- Austin N Craven
- Curtis E. Green
- Ashley Dominique Herring Nicholas
- Jeremy Ingraham
- Julia Loreth
- Jessica Kennedy Mayer
- Maria Cristina Drummond Moreira
- Candie Nicole Rumph
- Heather Rushforth
- Casey Michelle Taylor
- Kirsten E Trowbridge

Academic Professional

Iglika V Pavlova

^G *Graduate-level faculty.*

- Biology, B.A. (p. 259)
- Biology, B.S. (p. 260)
- Biology Undergraduate Minor (p. 262)
- Biology Second Academic Concentration (p. 262)
- Biology, M.S. (p. 263)
- Environmental Health Science, Ph.D. (p. 263)

Biology Disciplinary Honors Requirements

- A minimum of 18 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- A grade of B or higher in all course work used to satisfy the Honors requirements in Biology.

Code	Title	Credit Hours
Required		6-9
HSS 490	Senior Honors Project	
BIO 493	Honors Work [*]	
Select two 400-level Biology courses		6
Select a third 400-level course in Biology or a Contract course in Biology at the 300 or 400 level		3
Any of the Department's journal clubs		1
<i>Oral presentation of Honors Thesis to a committee of three Biology Faculty or public presentation of research at a local, regional, or national meeting is required.</i>		

* Only 6 credits may be counted toward the 30 credit minimum in the Biology major

Recognition

Receive a Certificate of Disciplinary Honors in Biology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact John Lepri at jjlepri@uncg.edu for further information and guidance about Honors in Biology. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Biology, B.A.

The Department offers a full range of courses leading to the B.A. degree. The degree may lead to further study in graduate school, medicine, dentistry, veterinary medicine, medical technology, biotechnology, and environmental biology. See also Preprofessional Programs. Both study and laboratory facilities are available to advanced undergraduates.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level; note that licensure programs may require hours beyond the minimum listed.
- Students must have a grade point average of at least 2.0 in Biology courses completed at UNC Greensboro.
- A minimum of 30 credits of Biology course above the 100 level.
- A maximum of 4 credits at the 200 level may be counted toward the major.

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	
	College of Arts and Sciences Additional Requirements (LEC) (p. 249)	

Major Requirements

Code	Title	Credit Hours
Program Qualifications		8
<i>Required</i>		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory [†]	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory ^{††}	
Core Courses *		16
BIO 301	Principles of Ecology (& BIO 302 (COURSE INACTIVE))	
BIO 355	Cell Biology (& BIO 356 (COURSE INACTIVE))	
BIO 392	Genetics	
BIO 330	Evolution	
BIO 315	Ecology and Evolution Laboratory	
BIO 375	Cell Biology and Genetics Laboratory	

Related Area Requirements		11
CHE 111	General Chemistry I [†]	
CHE 112	General Chemistry I Laboratory	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
MAT 151	Precalculus II ^{†††}	
or MAT 191	Calculus I	

* In meeting the requirement for hours above the 100 level, all B.A. in Biology majors must complete the following core courses; completion of at least four of these requirements is strongly recommended prior to enrollment in courses numbered 400 and higher.

[†] Counts toward GEC GNS requirement.

^{††} Counts toward LEC GLS/GPS requirement.

^{†††} Counts toward GEC GMT requirement.

Recommended

The department highly recommends the course listed below in addition to the required courses listed above.

Code	Title	Credit Hours
<i>Recommended</i>		
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 354	Organic Chemistry Laboratory	
MAT 191	Calculus I ^{†††}	
MAT 292	Calculus II	
STA 271	Fundamental Concepts of Statistics	
PHY 211	General Physics I	
PHY 212	General Physics II	

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Biology Major with Comprehensive Science High School Teaching Licensure

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Biology Major with Comprehensive Science High School Teaching Licensure Concentration Requirements

The Comprehensive Science High School Licensure (BIOL) program provides a strong background in biology as well as licensure for high school biology teaching. In addition, successful completion of this program qualifies candidates to teach other high school science subjects as well.

The Department offers a full range of courses leading to the B.A. degree. The degree may lead to further study in graduate school, medicine, dentistry, veterinary medicine, medical technology, biotechnology, and environmental biology. See also Preprofessional Programs. Both study and laboratory facilities are available to advanced undergraduates.

Students seeking admission to the UNC Greensboro Teacher Education Program with a major in Biology must meet the following minimum requirements of the Department of Biology:

- 1. Completion of a minimum of 9 credit hours in biology courses, with at least six of those hours from courses taken at UNC Greensboro
- 2. A grade point average of at least 2.50 for biology courses completed at UNC Greensboro

Students already admitted to the UNC Greensboro Teacher Education Program with a major in Biology who are seeking admission to Student Teaching must meet the following requirements of the Department of Biology:

- 1. Completion of a minimum of 18 credits of biology courses, with at least 15 of those credits from courses taken at UNC Greensboro
- 2. A grade point average of at least 2.50 for biology courses completed at UNC Greensboro

Code	Title	Credit Hours
Additional Requirements for Teacher Licensure *		
<i>Required</i>		
GES 103	Introduction to Earth Science	
<i>Select one or more of the following:</i>		
GES 111	Physical Geology	
GES 205	Environmental Change: Its Nature and Impact	
GES 319	Weather and Climate	
GES 314	Physical Geography: Landscape Processes	
<i>The following courses must be taken in a specified sequence terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.</i>		
TED 435	Literacy in the Content Area	
ERM 401	Assessment I: Accountability in Our Nation's Schools	
ERM 402	Assessment II: Standardized Tests	
ERM 403	Assessment III: Classroom Assessment	
TED 401	Child and Adolescent Development and Learning	
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	
TED 403	Teaching English Learners with Diverse Abilities	
TED 445	Human Diversity, Teaching, and Learning	
TED 459	Teaching Practices and Curriculum in Science	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	
LIS 120	Introduction to Instructional Technology for Educational Settings (strongly recommended)	

* *The Teaching Licensure program in Biology includes a diverse science curriculum in order to align with licensure requirements of the North Carolina Department of Public Instruction.*

Biology, B.S.

The Bachelor of Science degree is offered for those students aspiring to a professional career in biology, and for those students with particularly strong interests in the discipline. See also Preprofessional Programs. A student pursuing the Bachelor of Science is expected to develop a stronger background in mathematics and related sciences and to attain a greater understanding of biology than will a student pursuing a Bachelor of Arts degree. Bachelor of Science students will also be strongly encouraged to undertake an individual research project with a faculty member during their junior and/or senior year.

The B.S. in Biology offers three concentrations for students to choose from.

Biotechnology Concentration

The concentration in biotechnology is designed for students with a strong interest in molecular biology and genetics. Courses will prepare students in both conceptual aspects of molecular biology and their practical application in biotechnology and genetic engineering.

Environmental Biology Concentration

This concentration is designed for students with a strong interest in environmental biology. The concentration provides students with a breadth and depth of environmental awareness, rigorously prepares them for advanced studies in environmental biology and trains them for environmentally-oriented professions.

Human Biology Concentration

This concentration is designed for biology majors who want to develop the ability to integrate biological knowledge as it relates to human beings. The study of human biology requires fundamental knowledge of basic life science, since humans and other animals share a large number of structural, chemical, and control mechanisms. Moreover, human behavior occurs within a specific evolutionary and ecological setting, just as it does in other animals. Our complex brains, our communication and conceptual abilities, and our social structures, can be more fully understood by those who complete this concentration.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level; note that licensure programs may require hours beyond the minimum listed.
- Students must have a grade point average of at least 2.0 in Biology courses completed at UNC Greensboro.
- A minimum of 30 credits of Biology courses above the 100 level.
- A maximum of 4 credits at the 200 level may be counted toward the major.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Program Qualifications		8
<i>Required</i>		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory [†]	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory ^{††}	
B.S. in Biology Core Courses *		16
BIO 301	Principles of Ecology (& BIO 302 (COURSE INACTIVE))	
BIO 355	Cell Biology (& BIO 356 (COURSE INACTIVE))	
BIO 392	Genetics	
BIO 330	Evolution	
BIO 315	Ecology and Evolution Laboratory	
BIO 375	Cell Biology and Genetics Laboratory	
<i>Select one additional course at the 400 level</i>		
BIO 499	Undergraduate Research ^{**}	
BIO 493	Honors Work ^{**}	
Related Area Requirements		22
CHE 111	General Chemistry I [†]	
CHE 112	General Chemistry I Laboratory	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 354	Organic Chemistry Laboratory	
MAT 191	Calculus I ^{†††}	
MAT 292	Calculus II	
or STA 271	Fundamental Concepts of Statistics	
<i>Select one sequence of the following:</i>		
PHY 211 & PHY 212	General Physics I and General Physics II	
PHY 291 & PHY 292	General Physics I with Calculus and General Physics II with Calculus	

* In meeting the requirement for credits above the 100 level, all B.S. in Biology majors must complete the following core courses; completion of at least four of these requirements is strongly recommended prior to enrollment in courses numbered 400 and higher.

** Strongly recommended.

[†] Counts toward GEC GNS requirement.

^{††} Counts toward LEC GLS/GPS requirement.

^{†††} Counts toward GEC GMT requirement.

Optional Concentrations

Any of the optional concentrations as detailed following the major requirements may be added, but a concentration is not required.

- Biotechnology
- Environmental Biology
- Human Biology

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Biotechnology Concentration Requirements

Code	Title	Credit Hours
Required		12
BIO 481 & 481L	General Microbiology and General Microbiology Laboratory	
BIO 494	Introduction to Biotechnology	
BIO 482	Molecular Biological Approaches in Research	
<i>Select at least one of the following courses:</i>		3
BIO 479 & 479L	Neurobiology and Neurobiology Laboratory	
BIO 497	Internship in Biology	
BIO 499	Undergraduate Research	
BIO 428	Microbial Ecology	
BIO 435	Biochemistry: Metabolic Regulation in Health and Disease	
BIO 437	Human Evolutionary Genetics	
BIO 442	Genes and Signals	
BIO 473	Drugs and the Brain	
BIO 478	Hormones in Action	
BIO 485	Virology	
BIO 486	Cell Cycle and Cancer	
BIO 487	Epigenetics	
BIO 490	Introduction to Mathematical Models in Biology	
BIO 495	Advanced Genetics	

Environmental Biology Concentration Requirements

Code	Title	Credit Hours
Required		12
BIO 431	The Biosphere	
<i>Select one of the following advanced Biology courses:</i>		3-4
BIO 422	Plant Diversity	
BIO 441 & 441L	Invertebrate Zoology and Invertebrate Zoology Laboratory	
BIO 470 & 470L	Vertebrate Zoology and Vertebrate Zoology Laboratory	
BIO 451	Vascular Plant Systematics	
<i>Select at least two of the following advanced Biology courses:</i>		6
BIO 361	Biology and Conservation of Sea Turtles	
BIO 420	Marine Biology	
BIO 438	Animal Behavior	
BIO 401	Advanced Topics in Animal Ecology	
BIO 410	Advanced Topics in Plant Ecology	
BIO 421	Ecosystem Ecology and Biogeochemistry	
BIO 427	Landscape Ecology	
BIO 426	Conservation Biology	
BIO 428	Microbial Ecology	
BIO 429	Aquatic Ecology	

BIO 437	Human Evolutionary Genetics
BIO 444	Entomology
BIO 452	Metamorphosis
BIO 460	Symbiosis
BIO 480	Environmental Physiology

Human Biology Concentration Requirements

Code	Title	Credit Hours
Required		13
BIO 277 & 277L or BIO 271 & 271L	Human Physiology and Human Physiology Laboratory Human Anatomy and Human Anatomy Laboratory	
<i>Select at least three of the following courses:</i>		
BIO 425	Biological Clocks	
BIO 438	Animal Behavior	
BIO 453	Vertebrate Morphogenesis	
BIO 464 & 464L	Developmental Biology and Developmental Biology Laboratory	
BIO 472 & 472L	Histology and Histology Laboratory	
BIO 479 & 479L	Neurobiology and Neurobiology Laboratory	
BIO 481 & 481L	General Microbiology and General Microbiology Laboratory	
BIO 435	Biochemistry: Metabolic Regulation in Health and Disease	
BIO 436	Biology of Aging	
BIO 437	Human Evolutionary Genetics	
BIO 449	Current Topics in Biology	
BIO 455	Vertebrate Reproduction	
BIO 485	Virology	
BIO 486	Cell Cycle and Cancer	
BIO 487	Epigenetics	
BIO 476	Population Genetics and Molecular Evolution	
BIO 492	Genetics of Complex Traits	
BIO 495	Advanced Genetics	
ATY 253	Introduction to Biological Anthropology	
PSY 230	Biological Psychology	

Biology Undergraduate Minor

A minimum of 17 credit hours in biology is required for a minor in biology. A student must have at least a 2.0 GPA in Biology courses completed at UNC Greensboro to receive a minor in Biology.

Program Requirements

- Minimum of 17 credit hours

Code	Title	Credit Hours
Required		8
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	

BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
Core Biology Courses		6
<i>Select two 300-level core biology courses from the following:</i>		
BIO 301	Principles of Ecology	
BIO 330	Evolution	
BIO 355	Cell Biology	
BIO 392	Genetics	
Direct Electives		3
Select an additional 3 credits of BIO courses at the 200-level or above.		

Biology Second Academic Concentration

Biology Second Academic Concentration for Elementary Education with K–6 Teacher Licensure, B.S.

Requirements

- Minimum of 18 credit hours

The second academic concentration in Biology is designed specifically for Elementary Education students.

Code	Title	Credit Hours
Requirements		8
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory [†]	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
<i>Select three of the following core biology courses:</i>		
BIO 392	Genetics	
BIO 330	Evolution	
BIO 271 & 271L or BIO 277 & 277L	Human Anatomy and Human Anatomy Laboratory [*] Human Physiology and Human Physiology Laboratory	

^{*} Completion of these courses may also count toward completion of the 18 credit requirement.

[†] Counts toward GEC GNS requirement.

Biology Second Academic Concentration for Special Education: General Curriculum, B.S.

Requirements

- Minimum of 18 credit hours

The second academic concentration in Biology is designed specifically for Elementary Education students.

Code	Title	Credit Hours
Requirements		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory [†]	8
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
BIO 392	Genetics	
BIO 330	Evolution	
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory [*]	
or BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	

^{*} Completion of these courses may also count toward completion of the 18 credit requirement.

[†] Counts toward GEC GNS requirement.

Biology, M.S.

The 30 credit hour M.S. in Biology prepares students for careers in the biological sciences, and it provides a strong foundation for further academic training, such as medical school or a doctoral program. An advisory committee works closely with each student to tailor a specific curriculum to meet that student's needs and interests. Students typically complete work for the master's degree in 2-3 years.

Students in the biology master's program have research and/or coursework opportunities that reflect the diverse interests of faculty members within the Department. Please see the description of research of Biology faculty members and description of graduate courses in Biology.

The capstone experience provides graduates with specific knowledge and skills to be competitive in the life-sciences workplace. The capstone experience is a thesis or comprehensive written examination. Students will choose a capstone experience (thesis or exam) before matriculation into the program.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement explaining how the master's degree at UNC Greensboro will help them achieve their career ambitions. Qualified applicants will have a strong undergraduate background in biology and science.

Degree Program Requirements

Required: 30 credit hours

Biology Electives (24-30 credits)

Students writing a thesis as a capstone experience must have at least 15 credits (including 6 credits of BIO 699 Thesis) in 600-749 level courses.

Students taking a comprehensive examination as a capstone experience must have at least 15 credits in 600-749 level courses and cannot enroll in BIO 695 Biological Research, BIO 699 Thesis, BIO 801 Thesis Extension or BIO 803 Research Extension.

Students will select 24-30 credits from graduate level biology courses; up to 8 of these credits can be taken at the graduate level in other departments with the prior approval of the Director of Graduate Study.

Prior to the end of the first semester of enrollment, each student is expected to identify a Master of Science Advisory Committee composed of an advisor and two other faculty members; the Director of Graduate Study must approve the composition of the committee.

Environmental Health Science, Ph.D.

The Ph.D. in Environmental Health Science requires a minimum of 55 credit hours and prepares students for senior-level positions in professions related to environmental health science in its broadest sense. The program trains students to become leaders in biological research relevant to environmental issues that directly and/or indirectly affect human health, and the program trains students to convey information effectively to the public. Students acquire an understanding of the multidisciplinary nature of environmental health issues from ecosystem to molecular levels. Students learn relevant research skills and conduct research under the guidance of one or more faculty members in the department.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a Curriculum Vitae and a personal statement that includes educational background, professional activities, research interests, career goals, reasons for choosing the program, and UNC Greensboro faculty whose research is of interest.

Degree Program Requirements

Required: 55 credit hours

The departmental Graduate Studies Committee determines the number of non-dissertation credits required based on a student's prior course work. No more than 25% of total credits (exclusive of dissertation) may be at the 500 level.

Code	Title	Credit Hours
Required Core Courses (17 credits)		
BIO 600	Introduction to Graduate Studies	1
BIO 707	Seminar in Environmental Health Science	2
BIO 731	Environmental Health Science I: Ecosystems to Individuals	3
BIO 732	Environmental Health Science II: Individuals to Molecules	3
BIO 734	Current Research in Environmental Health Science	3
BIO 749	Research Lab Rotations ²	2
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	3
Electives (9 credits)		
Select a minimum of 9 credits ³		9
Research and Dissertation (29 credits)		
Select a minimum of 29 credits from the following:		29
BIO 790	Directed Study in Environmental Health Science	
BIO 791	Independent Doctoral Research	

BIO 799	Dissertation ⁴
Total Credit Hours	55

- ¹ 3 credits total of BIO 734 are required.
- ² 2 credits total of BIO 749 are required.
- ³ Students, with the approval of the departmental Graduate Studies Committee, research advisor, and/or Dissertation Committee, will select additional courses that pertain to their area of research to fulfill their degree requirements. A minimum of 9 credits of Biology courses at the 500-700 level must be earned and a maximum of 6 credits can be at the 500 level.
- ⁴ A minimum of 12 credits in BIO 799 is required, and a maximum of 18 credits is allowed.

Comprehensive Examination

The comprehensive examination consists of a written research proposal that must be orally defended in a public seminar and before a student's dissertation committee. Successful completion and defense of the proposal allows the student to achieve candidate status, and thus, register for BIO 791 Independent Doctoral Research and BIO 799 Dissertation.

Dissertation Defense

Students must present a seminar that is open to the public and satisfactorily defend their completed dissertation research to her/his dissertation committee.

Chemistry and Biochemistry

College of Arts and Sciences

435 Science Building
336-334-5714
<http://chem.uncg.edu>

Mitchell Croatt, *Department Head*

Jerry Walsh, *Associate Department Head*

Liam M. Duffy, *Director of Graduate Study for the M.S. Program*

Norman Chiu, *Director of Graduate Study for the Ph.D. Program*

Undergraduate Programs

The Department of Chemistry and Biochemistry offers five undergraduate programs: the Bachelor of Science in Chemistry, the Bachelor of Science in Biochemistry, the Bachelor of Science in Chemistry with a Concentration in Biochemistry, the Bachelor of Science in Chemistry with a Concentration in Research, and the Bachelor of Arts in Chemistry. A licensure program to prepare students to teach high school chemistry is offered. The Master of Science in Chemistry, Master of Science in Chemistry with Biochemistry Concentration, and Ph.D. in Medicinal Chemistry are offered at the graduate level (see the *University Catalog*). Students who follow the program leading to the Bachelor of Science in Chemistry degree are certified to the American Chemical Society as having met its rigorous requirements for undergraduate professional training in chemistry.

The Department's biochemistry programs (B.S. in Biochemistry and B.S. in Chemistry with Concentration in Biochemistry) provide students with excellent preparation for graduate work in biochemistry and related life sciences, as well as for employment in chemical and biotechnological

industries. These programs are also attractive to students planning careers in the medical, dental, or pharmaceutical professions.

The department emphasizes the opportunity for students to engage in undergraduate research. Many of our majors do so, principally in their junior and senior years, and this provides excellent training for those who intend to continue their studies at the graduate level.

Graduate Programs

UNC Greensboro has a tradition of excellence in advanced training for careers in the chemical and biochemical sciences. Our faculty is committed to providing one-on-one learning opportunities for all our students in the laboratory, and this dedication to quality graduate education translates into very high success rates for our graduates as they pursue careers in science. Our Department has a strong research emphasis on Medicinal Biochemistry, and our students engage in a diverse array of research projects related to that theme. For example, students work to develop or synthesize new drug candidates, identify and study mechanism of action of natural products, or explore the chemical properties of human drug metabolizing systems. In support of these efforts, our department is home to the Medicinal Chemistry Collaborative (MC²) directed by Dr. Nadja Cech and Dr. Nicholas Oberlies. The mission of this center is to broaden the impact of natural products and drug discovery research on the UNC Greensboro campus, and to facilitate university-industry relationships with local pharmaceutical and biotechnology companies.

The Department has a well-established Master's level program that offers an M.S. in Chemistry within which a Concentration in Biochemistry can be chosen. These are very well-rounded terminal degree programs. In addition to course-work in core areas of Chemistry or Biochemistry, each program emphasizes training in research by requiring a significant research project with a Master's thesis under the supervision of a professor. Students also receive experience in professional presentation through the seminar program and attendance at professional meetings to present research results.

Our Ph.D. program in Medicinal Biochemistry is unique in the state of North Carolina. Target-based rational drug design, with its emphasis on biochemical and molecular biological receptors, is now central to the development of new and more effective pharmaceuticals. The Ph.D. program in Medicinal Biochemistry at UNC Greensboro offers students an innovative curriculum and research environment that emphasizes fundamental biochemical interactions and mechanisms guiding drug design and development. Students who complete the program will have a strong biochemical perspective on drug design, discovery, and function, and will have specialization in any of several disciplines which connect biochemical interactions with pharmaceutical development: computational chemistry, bioanalytical chemistry, biophysical chemistry, natural product isolation, molecular biology and enzymology, or drug synthesis.

Professor

Nadja B. Cech, *Professor and Distinguished Professor*^G

Alice E. Haddy^G

Nicholas H Oberlies, *Professor and Patricia A. Sullivan Distinguished Professor*^G

Patricia Hodapp Reggio, *Marie Foscue Rourke Professor*^G

Ethan Will Taylor^G

Jerry L. Walsh^G

Associate Professor

Bruce Banks^G

Norman H. L. Chiu^G
 Mitchell P Croatt^G
 Kimberly S Petersen^G
 Jason J. Reddick^G
 Qibin Zhang^G

Assistant Professor

Liam M. Duffy^G
 Shabnam Hematian^G
 Maia Popova

Senior Lecturer

Dennis A. Burnes
 Mary Ann Gerhard

Lecturer

Tylisha Marie Baber
 Timothy Donald Ballard
 Christopher Behme
 Daniel P Christen
 Sarmad Sahiel Hindo
 Huiyuan Hu
 Pradyumna Kumar Pradhan
 Spencer A Russell
 Travis R Russell

^G Graduate-level faculty

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- Chemistry, B.A. (p. 266)
- Chemistry, B.S. (p. 268)
- Chemistry Undergraduate Minor (p. 270)
- Chemistry, M.S. (p. 270)
- Medicinal Biochemistry, Ph.D. (p. 272)

Chemistry and Biochemistry Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Chemistry and Biochemistry; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Liam Duffy at liam_duffy@uncg.edu for further information and guidance about Honors in Chemistry and Biochemistry. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Biochemistry, B.S.

The Biochemistry Major (B.S.) is designed to prepare students for graduate education in the biochemical sciences, for medical, dental, or pharmaceutical professions, or for employment in biotechnology, pharmaceutical, and chemical industries. Students who complete the Bachelor of Science in Biochemistry will meet all or most of the academic requirements for admission to medical, dental, veterinary, or pharmacy schools.

The curriculum involves a solid foundation of Chemistry and Biology courses, along with core and advanced elective courses in Biochemistry. Undergraduate research is encouraged, and students may collaborate with participating faculty from a variety of departments (Chemistry, Biology, Nutrition, Physics, and Kinesiology).

This program follows the biochemistry curriculum recommendations of the American Society of Biochemists and Molecular Biologists.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Only major requirement and related are requirement courses at or below the 300-level in which grades of C- or better are earned will be counted toward the major. Students must earn a C- or better in prerequisite major requirement and related area requirement courses before advancing to subsequent courses. Students must have an overall GPA of at least 2.0 in CHE courses at UNC Greensboro.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Required		38
CHE 111	General Chemistry I [†]	
CHE 112	General Chemistry I Laboratory [†]	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
CHE 331	Quantitative Analysis	
CHE 333	Quantitative Analysis Laboratory	
CHE 342	Inorganic Chemistry	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 353	Organic Laboratory Techniques	
CHE 355	Intermediate Organic Chemistry Lab	
CHE 402	Chemistry Seminar	
CHE 406	Introductory Physical Chemistry	
CHE 407	Introductory Physical Chemistry Laboratory	
CHE 456	Biochemistry I	

CHE 457	Biochemistry II
CHE 458	Biochemistry Laboratory
CHE 401	Chemistry Seminar Introduction *

Related Area Requirements 25

MAT 191	Calculus I ^{††}
MAT 292	Calculus II
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory ^{†††}
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory
BIO 392	Genetics

Select one of the following:

PHY 211 & PHY 212	General Physics I and General Physics II [†]
PHY 291 & PHY 292	General Physics I with Calculus and General Physics II with Calculus [†]

Advanced Biochemistry Elective or Independent Study 3-4

Select 3-4 credits of the following:

CHE 431	Instrumental Analysis
CHE 436	Computational Chemistry
CHE 442	Advanced Inorganic Chemistry I
CHE 453	Advanced Organic Chemistry I
CHE 455	Organometallic Chemistry
CHE 470B	Special Topics in Chemistry: Biochemistry
CHE 481	Synthetic Techniques
CHE 491	Senior Research
CHE 492	Senior Research
BIO 494	Introduction to Biotechnology
BIO 499	Undergraduate Research
KIN 475	Independent Study
NTR 427	Undergraduate Research
PHY 495	Research Experience in Physics

Advanced Biological Science Elective

Select one or more courses from the following:

BIO 277 & 277L	Human Physiology and Human Physiology Laboratory
BIO 424	Plant Physiology and Biotechnology
BIO 443	Biophysics
BIO 464 & 464L	Developmental Biology and Developmental Biology Laboratory
BIO 478	Hormones in Action
BIO 479 & 479L	Neurobiology and Neurobiology Laboratory
BIO 481 & 481L	General Microbiology and General Microbiology Laboratory
BIO 482	Molecular Biological Approaches in Research
BIO 485	Virology
BIO 494	Introduction to Biotechnology
BIO 495	Advanced Genetics

* The course is taken as an audit.

** This course is strongly recommended if not use as Advanced Biochemistry elective.

[†] Counts toward GEC GNS requirement.

^{††} Counts toward GEC GMT requirement.

^{†††} Counts toward LEC GLS/GPS requirement.

Electives

Electives should be sufficient to complete the 120 credit hours required for the degree. Additional advanced courses in Chemistry and Biology are recommended. CST 105, which fulfills the GRD requirement, is recommended.

Chemistry, B.A.

The Chemistry Major (B.A.) provides sound education in chemistry but is less specialized and more flexible than the B.S. program. It offers solid preparation for those planning to enter medicine or dentistry, secondary school teaching, technical writing, sales, or various other vocations within the chemical industry. In fact, by electing some additional courses in chemistry beyond the minimum required, the student may prepare for graduate work under this program as well as under the B.S. While this program allows a more flexible arrangement of schedules, the student should work closely with a chemistry advisor to be certain that the proper sequence of chemistry and related area courses are taken with regard to the prerequisites.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level; note that licensure programs may require credits beyond the minimum listed.
- Only major requirement and related area requirement courses at or below the 300-level in which grades of C- or better are earned will be counted toward the major. Students must earn a C- or better in prerequisite major requirement and related area requirement courses before advancing to subsequent courses. Students must have an overall GPA of at least 2.0 in CHE courses at UNC Greensboro.

Degree Program Requirements

Code	Title	Credit Hours
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University Requirements (p. 676)

General Education Core Requirements (GEC) (p. 688)

College of Arts and Sciences Additional Requirements (LEC) (p. 249)

Major Requirements

Code	Title	Credit Hours
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Core Courses 30

Required	
CHE 111	General Chemistry I [†]
CHE 112	General Chemistry I Laboratory [†]
CHE 114	General Chemistry II
CHE 115	General Chemistry II Laboratory
CHE 331	Quantitative Analysis
CHE 333	Quantitative Analysis Laboratory
CHE 342	Inorganic Chemistry
CHE 351	Organic Chemistry I
CHE 352	Organic Chemistry II

CHE 353	Organic Laboratory Techniques
CHE 355	Intermediate Organic Chemistry Lab
CHE 402	Chemistry Seminar
CHE 406	Introductory Physical Chemistry
or CHE 461	Physical Chemistry I
CHE 401	Chemistry Seminar Introduction *
<i>Select two courses from the following:</i>	
CHE 420	Chemical Principles of Biochemistry
CHE 456	Biochemistry I
CHE 442	Advanced Inorganic Chemistry I
CHE 481	Synthetic Techniques
CHE 431	Instrumental Analysis
CHE 436	Computational Chemistry
CHE 453	Advanced Organic Chemistry I

Related Area Requirements 6

MAT 191	Calculus I ^{††}
MAT 292	Calculus II
<i>Select one of the following:</i>	
PHY 211	General Physics I
& PHY 212	and General Physics II [†]
PHY 291	General Physics I with Calculus
& PHY 292	and General Physics II with Calculus [†]

* This course is taken as an audit.

[†] Counts toward GEC GNS requirement.

^{††} Counts toward GEC GMT requirement.

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Chemistry Major with Comprehensive Science High School Teaching Licensure

Electives

Electives should be sufficient to complete the 120 credit hours required for the degree. Additional advanced courses in mathematics are advised. Additional chemistry courses above the 100 level may be taken.

Chemistry Major with Comprehensive Science High School Teaching Licensure Concentration Requirements

The Comprehensive Science High School Licensure (CHEM) program provides a strong background in chemistry as well as licensure for high school chemistry teaching. In addition, successful completion of this program qualifies candidates to teach other high school science subjects as well.

Code	Title	Credit Hours
Additional Requirements for Licensure *		11
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory [†]	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
GES 103	Introduction to Earth Science	

Select one or more of the following:

GES 111	Physical Geology
GES 205	Environmental Change: Its Nature and Impact
GES 319	Weather and Climate
GES 314	Physical Geography: Landscape Processes

* Additional requirements for teacher licensure, beyond the Chemistry Major requirements, include completion of the Secondary Licensure Requirements as listed under Teacher Licensure Requirements. In addition, students must take 14 credits in biology and earth science including the items listed.

[†] Counts toward LEC GLS/GPS requirement.

Teacher Licensure Requirements

Contact the School of Education Office of Student Services at 336-334-3410 for more information.

The courses below must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See below and the online Secondary Education Handbook for more information.

Code	Title	Credit Hours
Required		28
TED 435	Literacy in the Content Area	
ERM 401	Assessment I: Accountability in Our Nation's Schools	
ERM 402	Assessment II: Standardized Tests	
ERM 403	Assessment III: Classroom Assessment	
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning *	
TED 459	Teaching Practices and Curriculum in Science	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	
LIS 120	Introduction to Instructional Technology for Educational Settings (strongly recommended)	

* This course requires 25 hours of internship in the schools.

** This course requires 50 hours of internship in the schools.

Sequence

The courses should be taken in the sequence below.

Junior Fall		Credit Hours
ERM 401	Assessment I: Accountability in Our Nation's Schools	1
TED 401	Child and Adolescent Development and Learning	1

TED 445	Human Diversity, Teaching, and Learning	3
		Credit Hours 5
Spring		
ERM 402	Assessment II: Standardized Tests	1
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	1
TED 403	Teaching English Learners with Diverse Abilities	1
LIS 120	Introduction to Instructional Technology for Educational Settings	1
		Credit Hours 4
Senior		
Fall		
ERM 403	Assessment III: Classroom Assessment	1
TED 435	Literacy in the Content Area	3
TED 459	Teaching Practices and Curriculum in Science	3
		Credit Hours 7
Spring		
TED 465	Student Teaching: Secondary School	9
TED 466	Student Teaching Seminar	3
		Credit Hours 12
		Total Credit Hours 28

from the B.A. in requiring additional advanced courses in chemistry and/or related sciences. Students who complete this program will be certified to the American Chemical Society upon graduation as having fulfilled the Society's rigorous requirements for undergraduate professional training. The sequence in which the required courses are taken is important, and the student should work closely with a chemistry advisor in planning a schedule.

The concentration in Chemistry Research offers students the option to specialize in research and be exposed to three or more years of research. The concentration is designed to prepare students for graduate study in chemistry, biochemistry, medicine, and related professions or for employment in chemistry, biochemistry, or related industries. The exposure to research will build strong research, communication, and leadership skills. Such skills are in great demand.

The concentration in Biochemistry offers students the option to specialize in biochemistry within the curriculum leading to the B.S. in Chemistry. This concentration is designed to prepare students for graduate study in biochemistry, medicine and related professions, or for employment in biochemistry or biotechnology related industries. The sequence in which the required courses are taken is important, and the student should work closely with a chemistry advisor in planning a schedule.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level; note that licensure programs may require credits beyond the minimum listed.
- Only major requirement and related are requirement courses at or below the 300-level in which grades of C- or better are earned will be counted toward the major. Students must earn a C- or better in prerequisite major requirement and related area requirement courses before advancing to subsequent courses. Students must have an overall GPA of at least 2.0 in CHE courses at UNC Greensboro.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Chemistry
- Chemistry Research
- Biochemistry

Electives

Electives should be sufficient to complete the 120 credit hours required for the degree. Additional advanced mathematics courses are advised. Additional chemistry courses above the 100 level may be taken.

Chemistry, B.S.

The Chemistry Major (B.S.) provides very thorough undergraduate training in chemistry and an excellent background for students planning to undertake graduate work or to enter the chemical industry. It differs

Chemistry Concentration Requirements

Code	Title	Credit Hours
Required		29-32
CHE 111	General Chemistry I [†]	
CHE 112	General Chemistry I Laboratory [†]	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
CHE 331	Quantitative Analysis	
CHE 333	Quantitative Analysis Laboratory	
CHE 342	Inorganic Chemistry	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 353	Organic Laboratory Techniques	
CHE 355	Intermediate Organic Chemistry Lab	
CHE 402	Chemistry Seminar	
CHE 401	Chemistry Seminar Introduction [*]	
CHE 420	Chemical Principles of Biochemistry	
or CHE 456	Biochemistry I	
& CHE 457	and Biochemistry II	
CHE 431	Instrumental Analysis	
CHE 433	Instrumental Analysis Laboratory	
CHE 442	Advanced Inorganic Chemistry I	
CHE 461	Physical Chemistry I	
CHE 462	Physical Chemistry II	
CHE 463	Physical Chemistry I Laboratory	
CHE 464	Physical Chemistry II Laboratory	
CHE 481	Synthetic Techniques	
Related Area Requirements		
MAT 191	Calculus I ^{††}	
MAT 292	Calculus II	
MAT 293	Calculus III	
PHY 291	General Physics I with Calculus [†]	
PHY 292	General Physics II with Calculus	
<i>Select at least one of the following:</i>		
CHE 490	Internship in Chemistry and Biochemistry	
CHE 493	Honors Work	
CHE 436	Computational Chemistry	
CHE 453	Advanced Organic Chemistry I	
CHE 455	Organometallic Chemistry	
BIO 355	Cell Biology	
BIO 392	Genetics	
BIO 406	Advanced Topics in Genetics	
BIO 479	Neurobiology	
& 479L	and Neurobiology Laboratory	
CSC 230	Elementary Data Structures and Algorithms	
CSC 330	Advanced Data Structures	
CSC 339	Concepts of Programming Languages	
CSC 427	Numerical Analysis and Computing	
MAT 310	Elementary Linear Algebra	
MAT 311	Introduction to Abstract Algebra	
MAT 390	Ordinary Differential Equations	

MAT 394	Calculus IV
MAT 395	Introduction to Mathematical Analysis
PHY 321	Introduction to Modern Physics
PHY 323	Mechanics
PHY 325	Electricity and Magnetism I
PHY 327	Thermal Physics
PHY 412	Electronics for Scientists
PHY 421	Quantum Mechanics
CHE 491	Senior Research ^{**}
CHE 492	Senior Research ^{**}

^{*} This course is taken as an audit.

^{**} The courses count only when combined for a minimum of 2 credits and will count as one course toward fulfilling the requirement.

¹ The course counts only when taken for multiple instances for a combined minimum of 2 credits and will count as one course toward fulfilling the requirement.

[†] Counts toward GEC GNS requirement.

^{††} Counts toward GEC GMT requirement.

Chemistry Research Concentration Requirements

Code	Title	Credit Hours
Required		54
CHE 111	General Chemistry I [†]	
CHE 112	General Chemistry I Laboratory [†]	
CHE 114	General Chemistry II	
CHE 191	Introduction to Research	
CHE 331	Quantitative Analysis	
CHE 333	Quantitative Analysis Laboratory	
CHE 342	Inorganic Chemistry	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 353	Organic Laboratory Techniques	
CHE 355	Intermediate Organic Chemistry Lab	
CHE 402	Chemistry Seminar	
CHE 406	Introductory Physical Chemistry	
or CHE 461	Physical Chemistry I	
CHE 499	Senior Thesis	
CHE 291	Sophomore Research [*]	
CHE 292	Sophomore Research [*]	
CHE 391	Junior Research [*]	
CHE 392	Junior Research [*]	
CHE 491	Senior Research [*]	
CHE 492	Senior Research ^{**}	
CHE 401	Chemistry Seminar Introduction ¹	
<i>Select two courses of the following:</i>		
CHE 420	Chemical Principles of Biochemistry	
CHE 456	Biochemistry I	
& CHE 457	and Biochemistry II	
CHE 442	Advanced Inorganic Chemistry I	
CHE 481	Synthetic Techniques	
CHE 431	Instrumental Analysis	
CHE 453	Advanced Organic Chemistry I	

CHE 455	Organometallic Chemistry	
Related Area Requirements		10
MAT 191	Calculus I ^{††}	
MAT 292	Calculus II	
<i>Select one sequence of the following:</i>		
PHY 211 & PHY 212	General Physics I and General Physics II [†]	
PHY 291 & PHY 292	General Physics I with Calculus and General Physics II with Calculus [†]	

* Each of the courses are taken for 3 credits

** Course is taken for 2 credits

¹ This course is taken as an audit.

[†] Counts toward GEC GNS requirement.

^{††} Counts toward GEC GMT requirement.

Biochemistry Concentration Requirements

Code	Title	Credit Hours
Required		45
CHE 111	General Chemistry I [†]	
CHE 112	General Chemistry I Laboratory [†]	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
CHE 331	Quantitative Analysis	
CHE 333	Quantitative Analysis Laboratory	
CHE 342	Inorganic Chemistry	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 353	Organic Laboratory Techniques	
CHE 355	Intermediate Organic Chemistry Lab	
CHE 401	Chemistry Seminar Introduction [*]	
CHE 402	Chemistry Seminar	
CHE 407	Introductory Physical Chemistry Laboratory	
CHE 461	Physical Chemistry I	
CHE 462	Physical Chemistry II	
CHE 431	Instrumental Analysis	
CHE 433	Instrumental Analysis Laboratory	
CHE 456	Biochemistry I	
CHE 457	Biochemistry II	
CHE 458	Biochemistry Laboratory	
Related Area Requirements		3-4
<i>Select 3-4 credits from</i>		
CHE 491 or CHE 492	Senior Research	
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
BIO 392	Genetics	
MAT 191	Calculus I ^{††}	
MAT 292	Calculus II	

PHY 291	General Physics I with Calculus [†]
PHY 292	General Physics II with Calculus

* This course is taken as an audit.

[†] Counts toward GEC GNS requirement.

Chemistry Undergraduate Minor Program Requirements

- Minimum of 19 credit hours.
- Students must achieve a GPA of 2.0 in Chemistry courses that count toward the minor.

Code	Title	Credit Hours
Required		20
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
<i>Select 8 credits at the 300 level or above</i>		
<i>Select no more than 8 credits from the following:</i>		8
CHE 101	Introductory Chemistry	
CHE 103	General Descriptive Chemistry I	
CHE 104	General Descriptive Chemistry II	
CHE 110	Introductory Chemistry Laboratory	
CHE 111	General Chemistry I	
CHE 112	General Chemistry I Laboratory	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	

Chemistry, M.S.

The M.S. in Chemistry gives students the opportunity to develop and demonstrate their potential for work in biochemistry and attracts individuals who have been out of an academic environment for some time or who wish to bolster their undergraduate science experience. The successful candidate will be prepared for positions of responsibility in industry or government or for further study toward a doctoral degree.

The required 30 credit hours includes courses in the four major areas of chemistry (analytical, inorganic, organic, and physical), courses in other areas, and a research thesis based on original research carried out under the direction of a faculty advisor. In addition, the student gains experience in professional speaking by preparing and presenting two public seminars.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a one-page personal statement by the appropriate deadline to be considered for Fall, Spring, or Summer admission.

Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Required Core Courses (12 credits)		
CHE 553	Advanced Organic Chemistry I	3
CHE 632	Advanced Analytical Chemistry	3
CHE 641	Advanced Inorganic Chemistry II	3
CHE 661	Advanced Physical Chemistry I	3
Research Techniques (6-13 credits)		6-13
CHE 691	Introduction to Graduate Research	
CHE 680	Research Problems in Chemistry and Biochemistry	
CHE 699	Thesis	
Seminars (2 credits)		
CHE 601	Graduate Seminar I	1
CHE 602	Graduate Seminar II	1
Electives (6 credits minimum)		
Select 6 credits of electives		6
Total Credit Hours		26-33

NOTE: All students must complete 30 credit hours for the M.S. in Chemistry. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

Research Techniques

Students take CHE 691 Introduction to Graduate Research before beginning research. Students must carry out a research project under the supervision of a faculty member and write a thesis on the research (CHE 699 Thesis). Students may take additional research hours of CHE 680 Research Problems in Chemistry and Biochemistry and up to 6 credits of CHE 699 for a total of 12 credits.

Seminars

Students must present two seminars, the first on a literature topic (CHE 601 Graduate Seminar I) and the second on their thesis research (CHE 602 Graduate Seminar II), normally given during the last semester of study.

Electives

Up to 9 credits may be earned in chemistry or biochemistry or in approved (by Department Graduate Studies Committee and student's research advisor) graduate courses in biology, mathematics or physics.

Comprehensive Examination

The comprehensive examination consists of a research proposal on the student's thesis research, including a literature review. The proposal must be approved by the student's thesis committee before the student may enroll in CHE 699 Thesis.

Thesis Defense

Students must defend the completed thesis before the thesis committee.

Biochemistry Concentration

The concentration in biochemistry gives M.S. Chemistry students the opportunity to demonstrate and develop specialization for work in biochemistry. The successful candidate will be prepared for positions of responsibility in industry or government or for further study toward a doctoral or other professional degree.

The required 30 credit hours for this concentration include a specialized core of introductory and advanced biochemistry courses, courses in chemistry and other areas, and a research thesis based on original research carried out under the direction of a faculty advisor. In addition, the student gains experience in professional speaking by preparing and presenting two public seminars.

Code	Title	Credit Hours
Required Courses (12 credits)		
CHE 556	Biochemistry I	3
CHE 557	Biochemistry II	3
CHE 656	Enzyme Mechanisms	3
CHE 663	Spectroscopy and Structure of Proteins and Nucleic Acids	3
Chemistry Core Elective (3 credits)		
Select one of the following:		3
CHE 553	Advanced Organic Chemistry I	
CHE 632	Advanced Analytical Chemistry	
CHE 641	Advanced Inorganic Chemistry II	
CHE 661	Advanced Physical Chemistry I	
Electives (3 credits minimum)		
Select 3 credits of elective courses in biochemistry or from approved (by the Department Graduate Studies Committee) courses in areas related to biochemistry (cell biology, genetics, microbiology, metabolism, biophysics, or other areas)		3
Research Techniques (6-13 credits)		6-13
CHE 691	Introduction to Graduate Research	
CHE 680	Research Problems in Chemistry and Biochemistry	
CHE 699	Thesis *	
Seminars (2 credits)		
CHE 601	Graduate Seminar I	1
CHE 602	Graduate Seminar II	1
Total Credit Hours		26-33

NOTE: All students must complete 30 credit hours for the Biochemistry concentration, M.S. in Chemistry. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

* Indicates Capstone Experience

Electives

Additional courses needed to bring the total credits up to at least 30 should be chosen from graduate level chemistry and biochemistry courses offered by the department or from approved biochemistry-related courses.

Research Techniques

Students take CHE 691 Introduction to Graduate Research before beginning research. Students must carry out a research project under the supervision of a faculty member and write a thesis on the research (CHE 699 Thesis). Students may take additional research hours of CHE 680 and up to 6 credits of CHE 699 for a total of 12 credits.

Seminars

Students must present two seminars, the first on a literature topic (CHE 601 Graduate Seminar I) and the second on their thesis research

(CHE 602 Graduate Seminar II), normally given during the last semester of study.

Comprehensive Examination

The comprehensive examination consists of a research proposal on the student’s thesis research, including a literature review. The proposal must be approved by the student’s thesis committee before the student may enroll in CHE 699 Thesis.

Thesis Defense

Students must defend the completed thesis before the thesis committee.

Medicinal Biochemistry, Ph.D.

The Ph.D. in Medicinal Biochemistry requires 56 credit hours in advanced biochemical and medicinal chemistry coursework and a dissertation culminating from extensive laboratory research experience carried out under the direction of a faculty advisor. Additional coursework is offered in specialized areas such as synthetic chemistry, bioanalytical chemistry, and computational chemistry. The student gains experience in professional speaking by giving public oral scientific presentations through the departmental seminar program. The successful candidate will be well prepared for careers in biotechnology, pharmaceutical or medical research, or academia.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a one-page personal statement by the appropriate deadline to be considered for Fall or Spring admission. A minimum of a B.S. in Chemistry, Biochemistry or related field is required.

Degree Program Requirements

Required: 56 credit hours

Code	Title	Credit Hours
Required Core Courses (6 credits)		
Select two courses (6 credits) from the following:		6
CHE 651	Structure Elucidation in Medicinal Chemistry	
CHE 656	Enzyme Mechanisms	
CHE 658	Nucleic Acid Biochemistry	
CHE 659	Receptor Biochemistry	
CHE 660	Biochemical Pharmacology and Disease Targets	
Research Techniques (25-37 credits)		25-37
CHE 691	Introduction to Graduate Research	
CHE 780	Research Problems in Medicinal Biochemistry	
CHE 799	Dissertation Research in Medicinal Biochemistry	
Seminars (2 credits)		
CHE 751	Literature Seminar	1
CHE 752	Dissertation Seminar	1
Electives (12 credits minimum)		
Select a minimum of 12 credits		12
Total Credit Hours		45-57

NOTE: All students must complete 56 credit hours for the Ph.D. in Medicinal Biochemistry. The range of total credit hours that appears

in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

Research Techniques

Students take CHE 691 Introduction to Graduate Research before beginning research. Students must carry out a research project under the supervision of a faculty member and write a dissertation on the research (CHE 799 Dissertation Research in Medicinal Biochemistry).

Seminars

Students must present two seminars, the first on a literature topic (CHE 751 Literature Seminar) and the second on their dissertation research (CHE 752 Dissertation Seminar), normally given during the last semester of study.

Electives

A minimum of 12 credits may be earned in approved (by Department Graduate Studies Committee and student’s research advisor) elective graduate courses in chemistry, biology, mathematics or physics. Students who plan to pursue employment in industry are encouraged to enroll in CHE 790 Medicinal Biochemistry Internship .

Comprehensive Examination

The comprehensive examination consists of a research proposal on the student’s dissertation research, including a literature review and a public oral presentation. The proposal must be presented and orally defended before the student may enroll in CHE 799 Dissertation Research in Medicinal Biochemistry .

Dissertation Defense

Students must defend the completed dissertation before the dissertation committee.

Classical Studies

College of Arts and Sciences

1104 Moore Humanities and Research Administration
336-334-5214
www.uncg.edu/cia

Maura K. Heyn, Head of Department

Mission Statement

The mission of the Department of Classical Studies is to serve the educational interests of undergraduate and master’s level students, the local and statewide community, and the health of the national discipline, by preserving, transmitting and interpreting the achievements of the Classical World, and by adhering to the best practices of our discipline.

About

The Department of Classical Studies provides a comprehensive approach to the study of the ancient Greek and Roman world. The Department believes that students should have a solid foundation in the language, history, and culture of Greek and Roman civilization. To this end, the program is designed to ensure that all students gain proficiency in the Greek or Latin language, as well as a broad understanding of Classical literature in its cultural and historical context, the influence of Graeco-Roman civilization on the conceptions and values of Western civilization,

and the methods of critical inquiry which are central to the discipline of Classical Studies.

The Department offers a wide variety of courses in English on mythology, archaeology, literature and culture, as well as courses in ancient Greek and Latin at all levels. Courses with a CCI prefix require no knowledge of either language; GRK courses require reading of texts in Greek and LAT courses require reading of texts in Latin.

Students also have an opportunity in the summer to visit Athens, Rome, and other parts of the Classical world, to participate in archaeological excavation, and to earn semester hours of credit through the following or through Study Abroad Programs.

Code	Title	Credit Hours
CCI 401	Archaeological Practicum	
CCI 450	Internship in Classical Studies	
CCI 455	UNCG in Rome	

Professor

Maura Keane Heyn^G
Susan C. Shelmerdine^G

Associate Professor

Joanne M. Murphy^G
David B Wharton^G
Jonathan P. Zarecki^G

Assistant Professor

Robyn Le Blanc

Lecturer

John Elias Esposito
Derek Smith Keyser
Elliott Gene Piros

^G Graduate-level faculty

- Classical Studies, B.A. (p. 273)
- Classical Studies Undergraduate Minor (p. 275)
- Classical Studies Second Academic Concentration (p. 275)

Classical Studies Disciplinary Honors Requirements

- A minimum of 15 credit hours as defined below.
- A UNC Greensboro GPA of 3.30 or higher at graduation
- A grade of at least 3.0 (B) in all work used to satisfy the Honors requirements in Classical Studies

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
12 credit hours of Honors work in CCI, GRK, and/or LAT courses *		12

* Must be above the 100 level with at least 6 credits at the 300 level or above.

Recognition

The designation "Completed Disciplinary Honors in Classical Studies" and the title of the Senior Honors Project will be printed on the student's official transcript.

Honors Advisor

Contact Jonathan Zarecki at jpzareck@uncg.edu for further information and guidance about Honors in Classical Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Classical Studies, B.A.

The Department offers a B.A. in Classical Studies, with three distinct concentrations in Classical Language and Literature, Classical Civilization, and Classical Archaeology. All three concentrations offer a broad liberal arts experience that provides an excellent foundation for a variety of careers including law, business, government, journalism, and teaching.

The Classical Language and Literature concentration is designed to ensure a solid preparation in the chosen language and to acquaint students with those works that form the origin of European literature, history, and philosophy. This concentration prepares students for graduate work in the Classical languages and literature and for secondary school language teaching.

The Classical Civilization and Classical Archaeology concentrations provide a solid and wide-ranging background for understanding the origin and development of our Western ideas, values, languages, institutions, attitudes, and art. The Classical Civilization concentration is an excellent major for Prelaw students, who should choose courses on Roman Civilization CCI 202, Roman Law and Society (CCI 350), and Latin to fulfill major requirements. It is also an excellent second major for those interested in any area of primary or secondary school teaching. The Classical Archaeology concentration is intended especially for students wishing to pursue graduate work in Classical Archaeology. Students interested in other areas of archaeology should also consider the Special Programs in Liberal Studies Major: Archaeology Concentration.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum 30 credits distributed as follows in one of the three possible concentrations. Students must have at least a 2.0 GPA for courses in the major, and 9 credits at the 300 level or above, including 3 credits in an advanced seminar chosen from: CCI 405, CCI 407, CCI 475, CCI 490, CCI 402, or CCI 412. No more than 6 credits in CCI 401 and/or CCI 450 and/or CCI 455 may be counted toward the major in Classical Studies.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Classical Language and Literature
- Classical Civilization
- Classical Archaeology

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Classical Language and Literature Concentration Requirements

Code	Title	Credit Hours
Required		21
CCI 201	Introduction to Greek Civilization [†]	
CCI 202	Introduction to Roman Civilization [†]	
<i>Select 12 credits in one language of the following:</i>		
Greek [*]		
Latin ^{**}		
<i>Select 3 credits in material culture of the following:</i>		
CCI 211	Introduction to Greek Archaeology [†]	
CCI 212	Introduction to Roman Archaeology [†]	
CCI 312	The Art and Archaeology of Egypt ^{††}	
CCI 313	Archaeology of the Aegean	
CCI 314	Ancient Cities	
CCI 360	Archaeology of the Roman Provinces: Britain and Gaul	
CCI 365	Archaeology of the Roman Provinces: Asia Minor and Syria	
CCI 412	The Archaeology of Roman Daily Life	
<i>Select 6 credits in literature in translation of the following:</i>		
CCI 205	Mythology ^{†††}	
CCI 227	Comparative Studies in World Epics ^{†††}	
CCI 228	Comparative Studies in World Drama ^{†††}	
CCI 305	Classical Tragedy ^{†††}	
CCI 306	Classical Comedy ^{††}	
CCI 324	The Age of Cicero ^{†††}	
CCI 325	The Age of Augustus ^{†††}	
CCI 326	The Age of Nero ^{†††}	
CCI 402	History of Latin Literature	
CCI 407	Roman Myth and Legend	
<i>Select 3 credits in a related field of the following or one of the above categories:</i>		
CCI 207	Ancient Sports and Society ^{††††}	
CCI 240	Ancient Warfare [†]	
CCI 323	The World of Alexander the Great	
CCI 327	The Age of Constantine	
CCI 336	Language Change	
CCI 340	Ancient Cosmology ^{††††}	
CCI 350	Roman Law and Society ^{††††}	
CCI 401	Archaeological Practicum	

CCI 450	Internship in Classical Studies
CCI 455	UNCG in Rome
CCI 490	Seminar in Classical Studies

^{*} *Must include at least one course at or above the 300 level.*

^{**} *Must include at least three courses at or above the 300 level.*

[†] *Counts toward the GEC GHP and CAR GPM requirements.*

^{††} *Counts toward GEC GFA requirement.*

^{†††} *Counts toward GEC GLT requirement.*

^{††††} *Counts toward GEC GPR requirement.*

^{†††††} *Counts toward GEC GSB requirement.*

Classical Civilization Concentration Requirements

Code	Title	Credit Hours
Required		30
CCI 201	Introduction to Greek Civilization [†]	
CCI 202	Introduction to Roman Civilization [†]	
<i>Select 3 credits in either Greek or Latin at or above the 204 level</i>		
<i>Select 3 credits in material culture of the following:</i>		
CCI 211	Introduction to Greek Archaeology [†]	
CCI 212	Introduction to Roman Archaeology [†]	
CCI 312	The Art and Archaeology of Egypt ^{††}	
CCI 313	Archaeology of the Aegean	
CCI 314	Ancient Cities	
CCI 360	Archaeology of the Roman Provinces: Britain and Gaul	
CCI 365	Archaeology of the Roman Provinces: Asia Minor and Syria	
CCI 412	The Archaeology of Roman Daily Life	
<i>Select 9 credits in literature in translation of the following:</i>		
CCI 205	Mythology ^{†††}	
CCI 227	Comparative Studies in World Epics ^{†††}	
CCI 228	Comparative Studies in World Drama ^{†††}	
CCI 305	Classical Tragedy ^{†††}	
CCI 306	Classical Comedy ^{††}	
CCI 324	The Age of Cicero ^{†††}	
CCI 325	The Age of Augustus ^{†††}	
CCI 326	The Age of Nero ^{†††}	
CCI 402	History of Latin Literature	
CCI 407	Roman Myth and Legend	
<i>Select 9 credits in a related field of the following or one of the above categories:</i>		
CCI 207	Ancient Sports and Society ^{†††††}	
CCI 240	Ancient Warfare [†]	
CCI 323	The World of Alexander the Great	
CCI 327	The Age of Constantine	
CCI 336	Language Change	
CCI 340	Ancient Cosmology ^{††††}	
CCI 350	Roman Law and Society ^{††††}	
CCI 370		
CCI 401	Archaeological Practicum	
CCI 450	Internship in Classical Studies	

CCI 455	UNCG in Rome
CCI 490	Seminar in Classical Studies

* Must include at least one course at or above the 300 level.

** Must include at least three courses at or above the 300 level.

† Counts toward GEC GHP and CAR GPM requirements.

†† Counts toward GEC GFA requirement.

††† Counts toward GEC GLT requirement.

†††† Counts toward GEC GPR requirement.

††††† Counts toward GEC GSB requirement.

Classical Archaeology Concentration Requirements

Code	Title	Credit Hours
Required		30
CCI 211	Introduction to Greek Archaeology [†]	
CCI 212	Introduction to Roman Archaeology [†]	
<i>Select 3 credits in either Greek or Latin at or above the 204 level</i>		
<i>Select 9 credits in material culture of the following:</i>		
CCI 312	The Art and Archaeology of Egypt ^{††}	
CCI 313	Archaeology of the Aegean	
CCI 314	Ancient Cities	
CCI 360	Archaeology of the Roman Provinces: Britain and Gaul	
CCI 365	Archaeology of the Roman Provinces: Asia Minor and Syria	
CCI 412	The Archaeology of Roman Daily Life	
<i>Select 3 credits in literature in translation of the following:</i>		
CCI 205	Mythology ^{†††}	
CCI 227	Comparative Studies in World Epics ^{†††}	
CCI 228	Comparative Studies in World Drama ^{†††}	
CCI 305	Classical Tragedy ^{†††}	
CCI 306	Classical Comedy ^{††}	
CCI 324	The Age of Cicero ^{†††}	
CCI 325	The Age of Augustus ^{†††}	
CCI 326	The Age of Nero ^{†††}	
CCI 402	History of Latin Literature	
CCI 407	Roman Myth and Legend	
<i>Select 9 credits in a related field of the following or one of the above categories:</i>		
CCI 207	Ancient Sports and Society ^{††††}	
CCI 240	Ancient Warfare [†]	
CCI 323	The World of Alexander the Great	
CCI 327	The Age of Constantine	
CCI 336	Language Change	
CCI 340	Ancient Cosmology ^{††††}	
CCI 350	Roman Law and Society ^{††††}	
CCI 401	Archaeological Practicum	
CCI 450	Internship in Classical Studies	
CCI 455	UNCG in Rome	
CCI 490	Seminar in Classical Studies	

* Must include at least one course at or above the 300 level.

** Must include at least three courses at or above the 300 level.

† Counts toward GEC GHP and CAR GPM requirements.

†† Counts toward GEC GFA requirement.

††† Counts toward GEC GLT requirement.

†††† Counts toward GEC GPR requirement.

††††† Counts toward GEC GSB requirement.

Classical Studies Undergraduate Minor

The Classical Studies Minor complements majors in a variety of fields including anthropology, art, English, foreign languages, history, philosophy, and religious studies. Requirements are flexible enough to permit students to develop and extend their major plan of study.

- Minimum of 15 credit hours in Classical Studies courses above the 100-level to be worked out with the department advisor as best suited to each student's academic program.
- A minimum of 9 credits toward the minor must be taken in residence at UNC Greensboro.

Classical Studies Second Academic Concentration

Classical Studies Second Academic Concentration for Elementary Education with K–6 Teacher Licensure, B.S.

This concentration is designed for students in the Elementary Education and Special Education programs. Much of the subject matter in the concentration (mythology, language and reading study, word origins, history, and culture) is easily adaptable for use with elementary grades students, and the flexibility of the concentration is designed to accommodate the schedules of Elementary Education and Special Education majors.

Requirements

- Minimum of 18 credit hours

Latin Focus

Code	Title	Credit Hours
<i>Select one sequence of the following:</i>		
LAT 101 & LAT 102	Elementary Latin I and Elementary Latin II	
LAT 140	Elementary Latin Review [*]	
CCI 202	Introduction to Roman Civilization	
CCI 205	Mythology	
<i>Select 6–9 credits in civilization courses of the following:</i>		
CCI 212	Introduction to Roman Archaeology	
CCI 227	Comparative Studies in World Epics	
CCI 228	Comparative Studies in World Drama	
CCI 305	Classical Tragedy	
CCI 306	Classical Comedy	
CCI 314	Ancient Cities	
CCI 324	The Age of Cicero	
CCI 326	The Age of Nero	

CCI 340	Ancient Cosmology
CCI 350	Roman Law and Society
CCI 407	Roman Myth and Legend

* By placement exam or permission of the instructor

Greek Focus

Code	Title	Credit Hours
Required		
GRK 201	Elementary Ancient Greek I	
GRK 202	Elementary Ancient Greek II	
CCI 201	Introduction to Greek Civilization	
CCI 205	Mythology	
Select 6 credits in civilization courses of the following:		
CCI 211	Introduction to Greek Archaeology	
CCI 227	Comparative Studies in World Epics	
CCI 228	Comparative Studies in World Drama	
CCI 305	Classical Tragedy	
CCI 306	Classical Comedy	
CCI 314	Ancient Cities	
CCI 323	The World of Alexander the Great	
CCI 326	The Age of Nero	
CCI 340	Ancient Cosmology	
CCI 407	Roman Myth and Legend	

Classical Studies Second Academic Concentration for Special Education: General Curriculum, B.S.

This concentration is designed for students in the Elementary Education and Special Education programs. Much of the subject matter in the concentration (mythology, language and reading study, word origins, history, and culture) is easily adaptable for use with elementary grades students, and the flexibility of the concentration is designed to accommodate the schedules of Elementary Education and Special Education majors.

Requirements

- Minimum of 18 credit hours

Latin Focus

Code	Title	Credit Hours
Select one sequence of the following:		
LAT 101 & LAT 102	Elementary Latin I and Elementary Latin II	
LAT 140	Elementary Latin Review *	
CCI 202	Introduction to Roman Civilization	
CCI 205	Mythology	
Select 6-9 credits in civilization courses of the following:		
CCI 212	Introduction to Roman Archaeology	
CCI 227	Comparative Studies in World Epics	
CCI 228	Comparative Studies in World Drama	
CCI 305	Classical Tragedy	
CCI 306	Classical Comedy	

CCI 314	Ancient Cities
CCI 324	The Age of Cicero
CCI 326	The Age of Nero
CCI 340	Ancient Cosmology
CCI 350	Roman Law and Society
CCI 407	Roman Myth and Legend

* By placement exam or permission of the instructor

Greek Focus

Code	Title	Credit Hours
Required		
GRK 201	Elementary Ancient Greek I	
GRK 202	Elementary Ancient Greek II	
CCI 201	Introduction to Greek Civilization	
CCI 205	Mythology	
Select 6 credits in civilization courses of the following:		
CCI 211	Introduction to Greek Archaeology	
CCI 227	Comparative Studies in World Epics	
CCI 228	Comparative Studies in World Drama	
CCI 305	Classical Tragedy	
CCI 306	Classical Comedy	
CCI 314	Ancient Cities	
CCI 323	The World of Alexander the Great	
CCI 326	The Age of Nero	
CCI 340	Ancient Cosmology	
CCI 407	Roman Myth and Legend	

Communication Studies

College of Arts and Sciences

102 Ferguson Building
336-334-5297
cst.uncg.edu

Christopher N. Poulos, Head of Department
Marianne LeGreco, Director of Graduate Study

About

There is nothing on this earth more fascinating than the study of human communication. Meaning making is a complex, continuous, collaborative, dynamic process. Sometimes, we are transported into a world we could hardly imagine as we engage in deep listening and active dialogue with friends, loved ones, and colleagues. Sometimes a great speech will take us to soaring heights of understanding and even epiphany. Sometimes we are like ships passing in the night, hardly even understanding one another. And sometimes, we crash into each other like rams on a hillside, embroiled in conflict, with no apparent exit!

Friends, families, work groups, organizations, communities—we study them all, and all offer endless opportunities for study, sense making, and intervention. All of this action, and more, will confront you as you engage in your studies. And, at the end of it all, you will not only have a lifelong quest ahead of you (as you come to understand and engage in various forms and practices of communication), you will also find yourself equipped to succeed in a wide variety of fields and careers.

Mission Statement

We teach and research communication to connect people, create change, and work toward a just world.

Commitments

- We engage communication knowledge to understand, advance, and challenge human interaction processes locally and globally.
- We promote the centrality of communication to personal, professional, and public lives.
- We seek to invigorate our collective moral imagination to build a world of hope, justice, and peace.
- We engage pressing social and relational issues through written and spoken communication, active research and teaching, and involvement in the world around us.
- We foster learning and application of communication knowledge and skill to transform relationships and communities.
- We affirm, practice, and teach service and community engagement.
- We teach the art of living well together.

Values

We actively value and promote:

- Honesty
- Trust
- Respect
- Fairness
- Responsibility
- Care
- Ethics
- Justice
- Courage
- Equality
- Creativity
- Compassion
- Engagement
- Critical Thinking
- Holistic Thinking
- Incremental Thinking
- Learner-centered practice
- Independence
- Interdependence
- Difference
- Relationships
- Connection
- Self-discipline
- Focus
- Service

Philosophy of Scholarship

We believe that communication is formative and foundational to human identities, relationships, and communities—and that ethical and strategically effective communication can be the means of critiquing, constructing, and transforming identities, relationships, and communities.

We engage in communication scholarship in the form of research, teaching, and service that:

- Integrates dialogue and other approaches to communication as the foundation for scholarly inquiry and application to the world
- Cultivates diversity and respect for differences
- Promotes change that leads to more democratic, just, and peaceful relationships and communities
- Engages creative partnerships of faculty, students, and other stakeholders in addressing contemporary challenges and opportunities for improving communication

The Department offers the B.A. in Communication Studies as well as an undergraduate minor. The M.A. degree is also offered in the department. For details on the graduate program see the *University Catalog*.

The Department of Communication Studies offers required and elective courses that are designed to make productive use of differing learning styles among students: theoretical and applied, textual and experiential, topical and case study, course work and internships/service learning, individual and groups/team based performances. A number of courses involve service learning to link communication, action, and academic study.

The Department of Communication Studies provides opportunities to study relational, group, workplace, and community communication. Communication courses contribute to a liberal education by teaching creative thinking and problem-solving, critical reasoning, and effective oral, written, and mediated communication. The faculty strongly believe in the interdisciplinary nature of communication, and this curriculum encourages elective course work be taken in allied disciplines such as African American and African Diaspora Studies, Anthropology, Business, English, Media Studies, Philosophy, Political Science, Psychology, Sociology, and Women's and Gender Studies. Additionally, the Department participates in high-impact educational experiences, such as Service-Learning, the Honors Programs administered by the Lloyd International Honors College, Writing Across the Curriculum and Speaking Across the Curriculum programs, and regularly offers freshman seminars. Opportunities also exist for Study Abroad including exchanges in Europe. Communication Studies majors with a 3.0 GPA may apply to go abroad in the spring semester of their junior year to participate in various Study Abroad opportunities.

The undergraduate program in Communication Studies is designed to serve as a solid foundation for a variety of professional and entrepreneurial careers; it also provides preparatory work for graduate studies in communication, as well as related fields such as law, business, media studies, and education. Faculty and students in the Department of Communication Studies are actively involved in research, service, and consulting with community, state, regional, national, and international organizations and agencies.

Student Learning Goals

As a reflection of the mission statement, the UNC Greensboro general education goals, and in consultation with the National Communication Association, the Department of Communication Studies has the following student learning outcomes for the B.A. degree. At the completion of the major, the student should be able to:

- Speak effectively and ethically to a public.
- Utilize communication concepts and competencies to build relationships and/or community.

- Apply a communication perspective to identify and analyze social issues/problems.
- Engage communication scholarship using appropriate theory and research methods.

Criterion for Progression in the Major

Only grades of C- or better, taken in Communication Studies courses, will count toward completion of a major in the Department.

Graduate Programs

The Master of Arts program in Communication Studies prepares students for scholarly or applied communication careers in the social, public, and private sectors, community college teaching, or advancement to a doctoral program. As they master the tools of scholarship, students acquire:

1. A deep, research-based, critical understanding of communication in relation to public and private contexts and issues, and
2. The ability to participate in and contribute to the communication discipline as scholars and practitioners.

Professor

Spoma Jovanovic^G
Pete Kellett^G
Loreen Nyla Olson^G
Christopher N. Poulos^G
Roy Jay Schwartzman^G

Associate Professor

David Carlone^G
Cerise L. Glenn Manigault^G
Etsuko Kinefuchi^G
Marianne E. LeGreco^G
Elizabeth J. Natalie^G

Assistant Professor

Cristiane Sommer Damasceno^G

Senior Lecturer

Jessica E. D. McCall^G

Lecturer

Bethany Aleese Barnes
Maggie J Bozovich
Kristen Thompson Christman
Samuel C. (Chip) Cook IV
Elizabeth Joyce Dam-Regier
Jacquie L Downing
Patricia Fairfield-Artman^G
J.T. Thomas Hosack
Zachary H Jackson
Killian E. Manning^G
Cara Lacy Nance
Nikki Howard Nichols
Maria Perrot
Daniel Bryan Richardson
Pat Patterson Sawyer
Derek B Shaw
Jenni Marie Simon
Kelly Irene Donahey Simpson
Jenny Marie Southard
Jessica R Sullivan

Kiya Davis Ward
Taylor Lynn Williams
April Nicole Wright

Senior Academic Professional

Kim Cuny^G
Erin Harrison

^G Graduate-level faculty

- Communication Studies, B.A. (p. 278)
- Communication Studies Undergraduate Minor (p. 279)
- Communication Studies Second Academic Concentration (p. 279)
- Communication Studies, M.A. (p. 280)

Communication Studies Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors coursework in the major *		6
3 credits of Honors course work in the major or another area		3

* *Students may choose from an approved Communication Studies Honors course or 300-400-level Contract course*

Recognition

Receive a Certificate of Disciplinary Honors in Communication Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Roy Schwartzman at doc_roy@uncg.edu for further information and guidance about Honors in Communication Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Communication Studies, B.A.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level with a minimum of 6 credits at the 400 level.
- Minimum 2.0 GPA

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Required		36
CST 105	Introduction to Communication Studies [†]	
CST 200	Communication and Community	
CST 207	Relational Communication	
CST 210	Communicating Ethically	
CST 300	Communication Theory	
<i>Select 21 additional credits of CST electives [*]</i>		

^{*} All must be 300 level or above. 6 credits must be at the 400 level.

[†] Counts toward GEC GRD requirement.

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Accelerated B.A. to M.A. in Communications Studies

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Degree Program in Communication Studies. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credit hours earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year.

Communication Studies has the following additional requirements:

At least 15 credits of undergraduate Communication Studies courses, with an earned 3.5 GPA in these courses. The 15 credits must include CST 300 Communication Theory, with a minimum grade of B. Of the remaining 12 credits, 6 credits must be from among CST 105 Introduction to Communication Studies, CST 200 Communication and Community, CST 207 Relational Communication, and CST 210 Communicating Ethically. Standard application requirements for the Master of Arts program (i.e., undergraduate transcript(s), GRE scores, three letters of recommendation, personal statement, writing sample, interview).

Admitted students may apply a maximum of 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate degrees, provided that they earn a grade of "B" (3.0) or better in each graduate course and fulfill graduate-level requirements.

ADP Courses

As with all graduate students in Communication Studies, courses counted toward the Master of Arts (M.A.) degree need the prior approval of the Director of Graduate Study. Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements.

The M.A. degree requires 30 credit hours of graduate-level coursework. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete an additional 18 credits of graduate-level coursework to complete the M.A. degree. No more than 9 credits at the 500-level may be counted toward the M.A. degree. Please see the section below for a full description of the M.A. degree requirements. The following courses have been identified as those that may be counted toward the B.A. and M.A. degrees. These courses have been chosen because they are well suited to ADP students

and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.A. degree must be approved with the Director of Graduate Study.

The following courses may be counted toward the Bachelor and Master degrees:

Code	Title	Credit Hours
CST 601	Engaging Communication Scholarship I	3
CST 602	Engaging Communication Scholarship II	3
CST 606	Speaking Out for Community Change	3
CST 621	African American Culture and Identity	3
CST 655	Relational Communication and the Hollywood Feature Film	3

Substitutions for the above courses require the permission of the Director of Graduate Study in the Department of Communication Studies.

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Arts in Communication Studies remain the same.

Communication Studies Undergraduate Minor

The Communication Studies minor is designed to offer interested students from other disciplines a broad, flexible foundation in key areas of the field.

Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		18
CST 105	Introduction to Communication Studies	
<i>Select 3 credits from the following:</i>		
CST 200	Communication and Community	
CST 207	Relational Communication	
CST 210	Communicating Ethically	
<i>Select at least 12 credits of CST electives at the 300 level or above</i>		

Communication Studies Second Academic Concentration

The second academic concentration in Communication Studies is designed specifically for Elementary Education Majors.

Requirements

- 18 credit hours

Code	Title	Credit Hours
Required		18
CST 105	Introduction to Communication Studies	
CST 200	Communication and Community	
CST 311	Deliberation and Decision Making	
or CST 305	Persuasion in Western Culture	
<i>Select 12 credits from the following:</i>		
CST 207	Relational Communication	
CST 210	Communicating Ethically	
CST 315	Persuasion and Social Influence	
CST 344	Conflict Communication	
CST 350	Small Group and Team Communication	
CST 403	Communication Pedagogy	

Communication Studies, M.A.

The M.A. in Communication Studies requires 30 credit hours of the mandatory core courses, elective coursework, and the capstone experience.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a 2-3 page statement describing their educational background, relevant experience, career goals, and purpose for graduate study in the field of communication; an academic writing sample, preferably a research paper written for a prior course in communication studies or a relevant discipline; and a resume or curriculum vitae. Applicants must also complete an interview with the Director of Graduate Study and members of the Graduate Admissions Committee.

Procedural Guidelines

Upon admission to the Department, the Director of Graduate Study will advise students on Departmental and Graduate School processes and procedures.

After completing the core requirements, students will be informed by the Director of Graduate Study if they are or are not meeting the academic standards and requirements of the program. At that time, students may be allowed to continue in the program or be asked to leave the program.

Fully admitted graduate students in the Department of Communication Studies must achieve at least a 3.0 GPA each semester and on a cumulative basis throughout their program of study. Failure to meet this expectation will result in dismissal from the program. Further, any fully admitted graduate student earning 2 grades of C+ or C or 1 grade of U, WF, or F in any CST graduate course will be dismissed from the M.A. program. Students have the right to appeal for reinstatement to the CST Graduate Admissions Committee.

In the semester immediately prior to their final semester, students will form a Capstone committee to assist with completion of the Final Research Project. The committee will consist of two CST Graduate Faculty members with whom the student has taken courses toward the degree and/or have expertise in the capstone topic area. Typically, one of these faculty members will serve as the major guiding professor on the project. The committee will guide the student through the

development and execution of a research project appropriate to the culmination of the M.A. degree. The final product will be a scholarly essay. Satisfactory projects, with revisions, are typically suitable for submission for presentation at a local, regional, or national conference.

Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Required Core Courses (6 credits)		
CST 601	Engaging Communication Scholarship I	3
CST 602	Engaging Communication Scholarship II	3
Elective Coursework (21 credits)		
Complete 21 credits of CST cognate, graded courses		21
Capstone Experience (3 credits)		
CST 698	Capstone Experience in Communication (Final Research Project) (Final Research Project)	3
Total Credit Hours		30

Required Core Courses

The core courses form the foundation for proper socialization into the communication discipline, development of skills required for graduate level work, and knowledge of theories and methodologies necessary to engage in communication scholarship. Students are required to take CST 601 Engaging Communication Scholarship I and CST 602 Engaging Communication Scholarship II during their first semesters in the program.

Elective Coursework

In addition to the required core courses, students need to satisfactorily complete 21 credits in elective, graded courses. It is recommended that the students choose courses from the following categories within CST. The thematic groupings are designed to help students devise a coherent Plan of Study around their specific interests.

Category A: Culture and Identity

Code	Title	Credit Hours
CST 612	Seminar in Communication Studies	3
CST 621	African American Culture and Identity	3
CST 635	Identity, Culture, and Communication	3
CST 659	Communication and Gendered Communities	3

Category B: Community Engagement and Public Advocacy

Code	Title	Credit Hours
CST 612	Seminar in Communication Studies	3
CST 632	Seminar in Communication Ethics	3

Category C: Relationships and Families

Code	Title	Credit Hours
CST 612	Seminar in Communication Studies	3
CST 655	Relational Communication and the Hollywood Feature Film	3

Category D: Organizational and Professional Communication

Code	Title	Credit Hours
CST 603	Communication Pedagogy	3
CST 612	Seminar in Communication Studies	3
CST 630	Organization, Democracy, and Community	3

*All new teaching assistants are required to take CST 603 Communication Pedagogy in the fall of their first semester in the program. CST 603 is included in the 21 credits of required electives.

Additional Electives Choices:

Students may elect to take CST 652 Research Practicum in Communication under supervision of a faculty member. CST 652 Research Practicum in Communication could also be included in the 21 elective credits. Students may take CST 650 Independent Study once certain requirements are met. However, independent study credits do not count toward the minimum 30 credits required for the degree. A maximum of 9 credits of electives may be taken at the 500-level.

Electives Outside the Department (not to exceed 3 credits)

Students may take an elective outside the department when additional coursework is required for a student's plan of study, as determined by the Director of Graduate Study and the student. Up to three credits of coursework outside the department may be included in the minimum 30 credits required for the M.A. degree.

Capstone Experience (Final Research Project)

All students must complete a final research project, in consultation with the Graduate Faculty, as a demonstration of mastery of the arts of communication scholarship (see Procedural Guidelines above for more information). In addition to the written project, a formal presentation of the capstone is required. All students must enroll for a total of 3 credits in CST 698 Capstone Experience in Communication (Final Research Project).

Exit Questionnaire

All graduating students must complete an exit questionnaire on the M.A. program.

SACSCOC 18 Credit Hour Requirement

Community college instructors interested in earning 18 credit hours in communication to satisfy SACSCOC requirements should consult the Director of Graduate Study for guidance in course selection.

Accelerated B.A. to M.A. in Communications Studies

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Degree Program in Communication Studies. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credit hours earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year.

Communication Studies has the following additional requirements:

At least 15 credits of undergraduate Communication Studies courses, with an earned 3.5 GPA in these courses. The 15 credits must include CST 300 Communication Theory, with a minimum grade of B. Of the

remaining 12 credits, 6 credits must be from among CST 105 Introduction to Communication Studies, CST 200 Communication and Community, CST 207 Relational Communication, and CST 210 Communicating Ethically. Standard application requirements for the Master of Arts program (i.e., undergraduate transcript(s), GRE scores, three letters of recommendation, personal statement, writing sample, interview).

Admitted students may apply a maximum of 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate degrees, provided that they earn a grade of "B" (3.0) or better in each graduate course and fulfill graduate-level requirements.

ADP Courses

As with all graduate students in Communication Studies, courses counted toward the Master of Arts (M.A.) degree need the prior approval of the Director of Graduate Study. Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements.

The M.A. degree requires 30 credit hours of graduate-level coursework. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete an additional 18 credits of graduate-level coursework to complete the M.A. degree. No more than 9 credits at the 500-level may be counted toward the M.A. degree. Please see the section below for a full description of the M.A. degree requirements. The following courses have been identified as those that may be counted toward the B.A. and M.A. degrees. These courses have been chosen because they are well suited to ADP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.A. degree must be approved with the Director of Graduate Study.

The following courses may be counted toward the Bachelor and Master degrees:

Code	Title	Credit Hours
CST 601	Engaging Communication Scholarship I	3
CST 602	Engaging Communication Scholarship II	3
CST 606	Speaking Out for Community Change	3
CST 621	African American Culture and Identity	3
CST 655	Relational Communication and the Hollywood Feature Film	3

Substitutions for the above courses require the permission of the Director of Graduate Study in the Department of Communication Studies.

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Arts in Communication Studies remain the same.

Computer Science

College of Arts and Sciences

167 Petty Building
336-256-1112

www.uncg.edu/cmp

Stephen R. Tate, Head of Department

Undergraduate

The courses in the Computer Science Department are designed to teach the foundations of computing rather than a particular technology, so that the student is prepared to adapt to changing technology. Students are exposed to various programming languages and computing systems.

The job market in computer science is strong. A student completing a bachelor's degree with a strong academic record can expect job offers as a systems programmer or analyst, applications programmer, systems support staff member, technical staff member, or similar position. The undergraduate curriculum has also been designed to prepare students for graduate studies (master's and doctoral degrees) in computer science. Qualified students who have an interest in research will have opportunities to participate in projects with department faculty during undergraduate or graduate studies.

Graduate

Jing Deng, Director of Graduate Study

About

The Master of Science is designed to build computer science depth and research competence, to prepare students for advanced careers in computing fields. Students completing the M.S. degree are also well-prepared for doctoral study in computer science.

MS students may pursue an optional concentration in Data Science and Big Data, which provides students key knowledge of appropriate theories, algorithms, and technologies, towards development of analytical systems/models for disparate, complex, and small/large scale datasets. Students completing this concentration will have demonstrated skills necessary to tackle a wide variety of data-focused scientific, social, and environmental challenges.

Mission Statement

The Department of Computer Science supports the university mission of being a student-centered research university by fostering discovery and intellectual growth through the traditional activities of education, research, and service, with stated missions in each of these areas.

- Education Mission: To provide excellence in teaching and education, providing rigorous undergraduate and graduate programs that produce graduates who have the theoretical foundation and technical skills to become productive professionals and/or to contribute to research in computer science, and supporting general liberal education through courses for non-majors that promote critical thinking and skills for life in a technical and information-based society.
- Research Mission: To contribute to the creation and dissemination of ideas through research and scholarly activities, such as publication of original research, presentations at scholarly meetings, and participation in externally funded research projects, in the context of a program which values the academic freedom of faculty to set their own research directions in basic or applied research.
- Service Mission: To support the university and computer science profession through participation in activities, committees, and policy making.

Professor

Jing Deng^G
Fereidoon Sadri^G
Shanmugathan Suthaharan^G
Stephen R. Tate^G

Visiting Professor
Sami Khuri

Associate Professor
Lixin Fu^G
Nancy L. Green^G

Assistant Professor
Minjeong Kim^G
Regis Kopper^G
Prashanti Manda^G
Somya Darsan Mohanty^G

Senior Lecturer
Mark V. Armstrong

Lecturer
Chandana Ariyawansa
Christine Marie Kikuchi
Spencer Jaehoon Lee
Ike I Quigley
Mohammad Faridul Haque Siddiqui

^G Graduate-level faculty

- Computer Science, B.S. (p. 283)
- Computer Science Undergraduate Minor (p. 284)
- Computer Science, M.S. (p. 284)

Computer Science Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- A grade of B or higher in all course work used to satisfy the Honors requirements in Computer Science and at least a 3.30 overall GPA at graduation.

Code	Title	Credit Hours
Required		6
CSC 493	Honors Work in Computer Science *	
HSS 490	Senior Honors Project **	
Select 6 credits from the following:		6
CSC 415	Computer Graphics	
CSC 416	Digital Image Processing	
CSC 425	Bioinformatics	
CSC 427	Numerical Analysis and Computing	
CSC 429	Artificial Intelligence	
CSC 439	Introduction to Compiler Design	
CSC 442	Human-Computer Interface Development	
CSC 454	Algorithm Analysis and Design	
CSC 461	Principles of Computer Architecture	
CSC 471	Principles of Database Systems	

CSC 477 Principles of Computer Networks

CSC 478 Principles of Wireless Networks

* Taken first in the sequence.

** Taken second in the sequence.

Recognition

Receive a Certificate of Disciplinary Honors in Computer Science; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Mark Armstrong at mvarmstr@uncg.edu for further information and guidance about Honors in Computer Science. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Computer Science, B.S.

The courses in the Computer Science Department are designed to teach the foundations of computing rather than a particular technology, so that the student is prepared to adapt to changing technology. Students are exposed to various programming languages and computing systems.

The job market in computer science is strong. A student completing a bachelor's degree with a strong academic record can expect job offers as a systems programmer or analyst, applications programmer, systems support staff member, technical staff member, or similar positions. The undergraduate curriculum has also been designed to prepare students for graduate studies (master's and doctoral degrees) in computer science. Qualified students who have an interest in research will have opportunities to participate in projects with department faculty during undergraduate or graduate studies.

In addition to the regular B.S. program, students may pursue a concentration in Data Science and Big Data, which is designed to provide Computer Science B.S. students with key knowledge of appropriate theories, algorithms, and technologies, towards development of analytical systems/models for disparate, complex, and small/large scale datasets. Students completing this concentration will have learned skills necessary to tackle a wide variety of data-focused scientific, social, and environmental challenges.

Students must maintain a grade point average of at least 2.0 in the core courses, required electives, and required supporting discipline courses.

Because computer science courses change rapidly, it is recommended that the sequence CSC 130, CSC 230, CSC 330 be completed within 4 consecutive semesters.

The B.S. degree in Computer Science program is accredited by the Computing Accreditation Commission of ABET (www.abet.org (<http://www.abet.org>)).

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
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University Requirements (p. 676)

General Education Core Requirements (GEC) (p. 688)

College of Arts and Sciences Additional Requirements (LEC) (p. 249)

Major Requirements

Code	Title	Credit Hours
Required		39

CSC 130	Introduction to Computer Science
CSC 230	Elementary Data Structures and Algorithms
CSC 250	Foundations of Computer Science I
CSC 261	Computer Organization and Assembly Language
CSC 330	Advanced Data Structures
CSC 339	Concepts of Programming Languages
CSC 340	Software Engineering
CSC 350	Foundations of Computer Science II
CSC 452	Theory of Computation
CSC 462	Principles of Operating Systems
CSC 471	Principles of Database Systems
CSC 490	Senior Capstone

CSC Electives		12
<i>Select an additional 12 credits from any CSC course at the 300 level or above.</i>		

Supporting Discipline Requirements		12
MAT 191	Calculus I [†]	
MAT 292	Calculus II	
PHI 222	Ethics in the Computer Age ^{††}	
STA 271	Fundamental Concepts of Statistics	
or STA 290	Introduction to Probability and Statistical Inference	

Select one of the following:

MAT 293	Calculus III
MAT 310	Elementary Linear Algebra
MAT 390	Ordinary Differential Equations
STA 301	Statistical Methods
STA 352	Statistical Inference

Science Requirements		8
<i>Select one of the following options:</i>		

Option A:

PHY 291	General Physics I with Calculus ^{††}
PHY 292	General Physics II with Calculus

Option B:

CHE 111	General Chemistry I ^{††}
CHE 112	General Chemistry I Laboratory ^{††}
CHE 114	General Chemistry II
CHE 115	General Chemistry II Laboratory

Select an additional 4 credits of science courses ^{*}

Total Credit Hours		71
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- † Counts toward GEC GMT requirement.
- †† Counts toward GEC GNS requirement.
- * Select from any course carrying credit toward a biology, chemistry, or physics major. BIO 111 Principles of Biology I is recommended.

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Data Science and Big Data

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Data Science and Big Data Concentration Requirements

Required: 15 credit hours

- Students in the Data Science and Big Data Concentration must satisfy all requirements for the B.S. in Computer Science, and must complete the following courses.*

Code	Title	Credit Hours
Required		12
CSC 330	Advanced Data Structures	
CSC 405	Data Science	
CSC 410	Big Data and Machine Learning	
CSC 471	Principles of Database Systems	
Electives		
<i>Select 3 credits from the courses below</i>		
CSC 425	Bioinformatics	
CSC 429	Artificial Intelligence	
CSC 454	Algorithm Analysis and Design	
STA 431	Introduction to Probability	
STA 435	Theory of Linear Regression	

- * CSC 330 and CSC 471 are currently required in the B.S. program, and other CSC courses below may be used to satisfy B.S. elective requirements as well as concentration requirements.

Accelerated B.S. to M.S.

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Science in Computer Science may apply for admission to the Accelerated Degree Program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 hours earned at UNC Greensboro is required. Applicants must have completed at least 60 semester credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants will not be required to take the GRE. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the graduate degree program.

ADP Courses

Admitted students may apply the following 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate

degree, provided that they earn a grade of “B” (3.0) or better in the course and fulfill graduate-level requirements:

Code	Title	Credit Hours
CSC 652	Theory of Computation	3
CSC 654	Algorithm Analysis and Design	3
CSC 662	Principles of Operating Systems	3
CSC 677	Principles of Computer Networks	3

Degree Program Requirements

Please consult with an advisor to determine how the course taken at the graduate level will meet requirements in the bachelor’s degree program. All degree requirements for the Master of Science in Computer Science remain the same.

Computer Science Undergraduate Minor

The minor in computer science consists of at least 15 credit hours of work as detailed below. The Computer Science Minor requires 3 to 4 semesters to complete.

Program Requirements

- Minimum of 15 credit hours; Minimum of 9 credits in residence at UNC Greensboro

Code	Title	Credit Hours
Required		15
CSC 130	Introduction to Computer Science	
CSC 230	Elementary Data Structures and Algorithms	
CSC 250	Foundations of Computer Science I	
CSC 330	Advanced Data Structures	
<i>Select one of the following:</i>		
CSC 261	Computer Organization and Assembly Language	
CSC 339	Concepts of Programming Languages	
CSC 340	Software Engineering	

Computer Science, M.S.

The M.S. in Computer Science requires 30 credit hours with at least 24 credits in computer science (CSC) courses. Three options for the capstone experience are offered: comprehensive examination, project, or thesis. An optional concentration in Data Science and Big Data is available for Computer Science M.S. students.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions (<https://grs.uncg.edu/guide>).

Degree Requirements

Required: 30 credit hours

Core Courses (6-21 credits)

Every student must complete:

Code	Title	Credit Hours
CSC 640	Software Engineering	3
CSC 656	Foundations of Computer Science	3

Advanced Courses

Every student must either present evidence of having completed at least one advanced course in each of the following areas during the undergraduate program or take an advanced course in each of the following areas as part of the graduate program:

Code	Title	Credit Hours
CSC 652	Theory of Computation	3
CSC 654	Algorithm Analysis and Design	3
CSC 662	Principles of Operating Systems	3
CSC 671	Advanced Database Systems	3
CSC 677	Principles of Computer Networks	3

Electives (9-24 credits)

With prior approval of the Director of Graduate Study, a student will select 9-24 credits of other 500-or 600-level CSC courses. A number of selected courses from other departments are also available. Interested students should contact the Director of Graduate Study.

Thesis, Project, or Comprehensive Examination (Capstone Experience)

Each candidate may elect to prepare a thesis, prepare a project, or pass a comprehensive examination on the program of course work.

Thesis (6 credits)

The candidate may prepare a thesis based on the investigation of a topic in computer science. A thesis director will be appointed by the Department Head after consultation with the student and the Director of Graduate Study. The writing of a thesis requires the scholarly exposition and documentation of a substantial problem. In some cases this may lead to a new solution to the problem and to original results. While writing the thesis, candidates may include up to 6 credits of CSC 699 Thesis in the required 30 credits for the program. An oral examination on the thesis is required.

Project (3-6 credits)

The candidate may prepare a project (theoretical or programmed) based on a topic in computer science. The project may be work-related. A project director will be appointed by the Department Head after consultation with the student and the Director of Graduate Study. The preparation of a project requires a description of the problem and documentation of any software products or description of theoretical solutions. While preparing the project, candidates may include 3 to 6 credits of CSC 698 Project in Computer Science in the required 30 credits for the program. An oral examination on the project is required.

Comprehensive Examination

A candidate may elect to pass a written comprehensive examination on the program of study. Please consult with the Director of Graduate Study for information concerning the comprehensive examination.

Data Science and Big Data Concentration

Code	Title	Credit Hours
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Core Courses (12 credits)

CSC 605	Data Science	3
CSC 610	Big Data and Machine Learning	3
CSC 654	Algorithm Analysis and Design	3
CSC 671	Advanced Database Systems	3

Elective Courses (3 credits)

Select one course (3 credits) from the following:

CSC 625	Bioinformatics	
CSC 629	Artificial Intelligence	
STA 635	Theory of Linear Regression	
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	
STA 682	Theory of Time Series	

Total Credit Hours 15

Accelerated B.S. to M.S.

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Science in Computer Science may apply for admission to the Accelerated Degree Program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 hours earned at UNC Greensboro is required. Applicants must have completed at least 60 semester credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants will not be required to take the GRE. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the graduate degree program.

ADP Courses

Admitted students may apply the following 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements:

Code	Title	Credit Hours
CSC 652	Theory of Computation	3
CSC 654	Algorithm Analysis and Design	3
CSC 662	Principles of Operating Systems	3
CSC 677	Principles of Computer Networks	3

Degree Program Requirements

Please consult with an advisor to determine how the course taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Science in Computer Science remain the same.

English

College of Arts and Sciences

3143 Moore Humanities and Research Administration

336-334-5311

www.uncg.edu/eng

Scott Romine, *Head of the Department*
Jennifer Keith, *Director of Undergraduate Studies*
Jennifer Feather, *Director of Graduate Studies*
Risa Applegarth, *Director of College Writing*
Jeanie Reynolds, *Director of English Education*
Terry Kennedy, *Director of MFA*

The Department of English offers courses in major authors, in all major literary periods, in literary theory, in linguistics and rhetoric, in journalism, and in writing essays, fiction, and poetry. Senior-graduate courses are available to advanced students, and the graduate program offers the full range of literary and rhetorical studies leading to the M.A. and Ph.D. The creative writing program offers courses both to undergraduates seeking the B.A. degree and to graduate students seeking the M.F.A. degree.

The department offers two major programs leading to the B.A. degree: “English” and “English—High School Teaching.” Successful completion of the latter program qualifies the graduate to teach in high schools in North Carolina and other states with which North Carolina has reciprocal licensure agreements. A student may declare either major upon matriculation; to change one’s major to English, or to change from one degree program to the other, one must have permission of the department. (See the Director of Undergraduate Studies in English.)

Graduate

The Department of English offers degree programs leading to the Master of Arts, the Master of Fine Arts, and the Doctor of Philosophy. *The Greensboro Review*, a magazine of poetry and fiction is published here.

Scheduling of M.A. classes and some Ph.D. classes is intended to meet the needs of students already employed in teaching or other professions.

Professor

Denise N. Baker^G
Stuart Dischell^G
Christopher T. Hodgkins, *Professor and Class of 1952 Excellence Professor*^G
Jennifer M. Keith^G
Karen L. Kilcup, *Rosenthal Excellence Professor*^G
Christian Moraru, *Class of 1949 Distinguished Professor*^G
Craig Nova, *Class of 1949 Distinguished Professor*^G
Mark Rifkin^G
Scott Romine^G
Anne D. Wallace^G
Karen Ann Weyler^G
Stephen R. Yarbrough^G

Associate Professor

Risa Applegarth^G
Ben Clarke^G
Anthony Joseph Cuda^G
Jennifer Feather^G
Holly G Jones^G
Noelle A. Morrisette^G
Nancy A. Myers^G
Maria Carla Sanchez^G

Assistant Professor

Heather B Adams^G
Xhenet Aliu^G
Aaron Kyle Beveridge^G
RJ Boutelle^G
Jennifer Miyoung Park^G
Emilia Aynne Phillips^G

Neelofer Qadir^G

Senior Lecturer

Gary Lim

Lecturer
Elysia Balavage
Rachel Lynne Bowman-Abdi
Jabar Jabar Boykin
Kristen Ashley Brunelli
Emily Frances Cinquemani
Shawn M Delgado
Ross M Garrison
Joe A. George
Emily M Hall
David Matthew Hough
Bailey Marie Maple
Richard Collins Moriarty
Michael Thomas Pittard
Forrest Kelly Rapier
Michelle Suzanne Reed
ROSEMARY ROBERTS
Elma K Sabo
Carl Schlachte
Wesley Dylan Sexton
Julia R Smith
Byron Woods
Bonnie T. Yarbrough

Academic Professional

Matt Charles Carter
Terry Lynn Kennedy^G
Jeanie Marklin Reynolds^G
Vaughn R Stewart
Jessie Moran Van Rheenen^G
Jennifer L. Whitaker^G

^G Graduate-level faculty

- English, B.A. (p. 287)
- English, Secondary Education, B.A. (p. 288)
- Creative Writing Undergraduate Minor (p. 290)
- English Undergraduate Minor (p. 291)
- Rhetoric and Public Advocacy Undergraduate Minor (p. 291)
- English Second Academic Concentration (p. 292)
- Creative Writing, M.F.A. (p. 293)
- English, M.A. (p. 293)
- English, Ph.D. (p. 295)

English Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	

Select 9 credits of Honors course work, at least 6 of which must be in English. Honors course work may consist of any combination of the courses listed below:

ENG 493	Honors Work
<i>Contract Honors courses in English at the 300 level or above</i>	
<i>Any other Honors course outside of the English department *</i>	

* Taken for up to 3 credits.

Recognition

Students who complete the program will be recognized at a banquet held at the end of the spring semester. The designation “Completed Disciplinary Honors in English” and the title of the Senior Honors Project will be printed on the student’s official transcript.

Honors Advisor

Contact Amy Vines at anvines@uncg.edu for further information and guidance about Honors in English. For further information, see the Honors Programs. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

English, B.A.

The English Major provides a flexible program. Students who major in English participate in increasingly intensified study of language and literature that includes English, American, and foreign literature in translation. Upon graduation, English majors are well qualified to enter nearly all fields that do not require previous technical and professional training.

Although the English major is an excellent preparation for a variety of careers, many students will seek licensure to teach, and others will choose to enter graduate school. English has long been recognized as a desirable major for prelaw and premedical studies. It is also beneficial for students who enter such fields as journalism, editing, communications, diplomacy, advertising, and personnel work.

A “Guide for English Majors and Minors” is available upon request from the departmental office. It provides current advice on planning a major or minor. Additional guidance is available from the Director of Undergraduate Studies in English and from faculty advisors.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum of 36 credits of English above the 100 level is required.
- No requirement for the major may be met by a grade lower than C-

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	
	College of Arts and Sciences Additional Requirements (LEC) (p. 249)	

Major Requirements

Code	Title	Credit Hours
Core Requirements		21
<i>Historical Perspectives</i>		
Medieval to Enlightenment - Select one of the following:		
ENG 211	Major British Authors: Medieval to Eighteenth Century	
ENG 213	Transcultural Literatures: Medieval to Enlightenment	
ENG 251	Major American Authors: Colonial to Romantic	
<i>Romantic to Postmodern - Select one of the following:</i>		
ENG 212	Major British Authors: Romantic to Modern	
ENG 252	Major American Authors: Realist to Modern	
<i>Perspectives on Literature</i>		
Pre-1800 - Select two courses in literature before 1800 (only one of which may be Shakespeare) of the following:		
ENG 332	English Women Writers before 1800	
ENG 336	Introduction to Chaucer	
ENG 337	English Literature to 1500	
ENG 342	The Seventeenth Century	
ENG 343	Topics in Pre-1800 Literature	
ENG 360	The Restoration and the Eighteenth Century	
ENG 372	Early American Literature	
ENG 381	English Drama to 1800	
ENG 410	Old English	
ENG 437	Middle English Literature	
ENG 441	Milton	
ENG 461	Eighteenth-Century British Writers	
ENG 339	Shakespeare: Early Plays and Sonnets	
or ENG 340	Shakespeare: Later Plays	
or ENG 440	Shakespeare	
<i>Post-1800 - Select one course in literature after 1800 of the following:</i>		
ENG 315	Postcolonial Literatures	
ENG 316	Studies in Human Rights and Literature	
ENG 331	Women in Literature	
ENG 333	Southern Writers	
ENG 344	The Romantic Period	
ENG 345	The Victorian Period	
ENG 346	English Literature from Victorian to Modern	
ENG 347	Topics in Post-1800 Literature	
ENG 348	Contemporary British Literature and Culture	
ENG 350	The Twentieth-Century English Novel	
ENG 351	The American Novel through World War I	
ENG 352	The Twentieth-Century American Novel	
ENG 353	The Contemporary Novel	
ENG 357	Modernism	
ENG 358	Modern Poetry	
ENG 359	Contemporary Poetry	
ENG 373	American Romanticism	
ENG 374	Early African American Writers	
ENG 375	Topics in Native American and Indigenous Studies	

ENG 376	African American Writers after the 1920s	
ENG 378	American Life-Writing	
ENG 380	Literature and the Environment	
ENG 445	Nineteenth-Century British Writers	
ENG 452	Modern British Writers	
ENG 458	American Poetry After 1900	
ENG 459	Twentieth-Century British Poetry	
ENG 463	American Poetry Before 1900	
ENG 464	American Prose Before 1900	
ENG 465	American Prose After 1900	
ENG 482	Modern Drama	
Contemporary Theoretical Approaches		3
ENG 303	Critical Approaches to the Study of Literature	
Approaches to Rhetoric		3
<i>Select one of the following:</i>		
ENG 304	History and Theory of Rhetoric	
ENG 305	Contemporary Rhetoric	
ENG 306	Digital Rhetoric	
English Elective Requirements		15
<i>Select five courses in English at or above the 200 level</i>		

Electives

Select electives sufficient to complete the 120 credit hours required for degree

Accelerated B.A. to M.A.

The Accelerated BA to MA in English requires 30-36 credit hours and is designed for those planning to pursue a doctorate; to teach in community colleges, technical institutes, or some undergraduate colleges; and to work in non-academic settings. Three plans of study beyond the core requirements are offered:

- 1. Thesis Plan
- 2. Teaching Composition Plan
- 3. Careers in the Humanities Plan

Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Degree Program in English. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year.

English has the following additional requirements for ADP applicants:

At least 15 credits of undergraduate English courses at the 200-level or above, with an earned 3.5 GPA in these courses.

Standard application requirements for the Master of Arts program, excluding GRE scores (i.e., undergraduate transcript(s), three letters of recommendation, statement of purpose, writing sample, and resume or cv).

Accelerated Degree Program applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the English Master of Arts degree program. Students admitted to the ADP program may apply a maximum

of 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate degrees, provided that they earn a grade of "B" (3.0) or better in each graduate course and fulfill graduate-level requirements.

Degree Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Arts in English will remain the same.

ADP Courses

Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements.

The M.A. degree requires 30-36 credit hours of graduate-level coursework. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete a minimum of 18 credits of further graduate-level coursework to complete the M.A. degree. No more than 9 credits at the 500-level may be counted toward the M.A. degree. Please see the University Catalog for a full description of the M.A. degree requirements.

The following courses have been identified as those that may be counted toward the B.A. and M.A. degrees. These courses have been chosen because they are well suited to ADP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.A. degree must be approved by the Director of Graduate Study.

The following courses may be counted toward both the bachelor and master's degrees:

Code	Title	Credit Hours
ENG 601	English Studies: Content, Methods, and Bibliography	3
ENG 549	The Critical Canon and Contemporary Issues	3
ENG 642	Topics in Pre-1800 Literature *	3
ENG 664	Topics in Post-1800 Literature *	3

* May be repeated twice for credit when topic or instructor varies.

English, Secondary Education, B.A.

The English Major provides a flexible program. Students who major in English participate in increasingly intensified study of language and literature that includes English, American, and foreign literature in translation. Upon graduation, English majors are well qualified to enter nearly all fields that do not require previous technical and professional training.

Although the English major is an excellent preparation for a variety of careers, many students will seek licensure to teach, and others will choose to enter graduate school. English has long been recognized as a desirable major for prelaw and premedical studies. It is also beneficial for students who enter such fields as journalism, editing, communications, diplomacy, advertising, and personnel work.

A “Guide for English Majors and Minors” is available upon request from the departmental office. It provides current advice on planning a major or minor. Additional guidance is available from the Director of Undergraduate Studies in English and from faculty advisors.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum of 36 credits of English above the 100 level is required.
- No requirement for the major may be met by a grade lower than C-Degree Program Requirements

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	
	College of Arts and Sciences Additional Requirements (LEC) (p. 249)	

Major Requirements

Code	Title	Credit Hours
Core Requirements		21
	<i>Historical Perspectives</i>	
	Medieval to Enlightenment - Select one of the following:	
ENG 211	Major British Authors: Medieval to Eighteenth Century	
ENG 213	Transcultural Literatures: Medieval to Enlightenment	
ENG 251	Major American Authors: Colonial to Romantic	
	<i>Romantic to Postmodern - Select one of the following:</i>	
ENG 212	Major British Authors: Romantic to Modern	
ENG 214		
ENG 252	Major American Authors: Realist to Modern	
Perspectives on Literature		9
	<i>Pre-1800 - Select two courses in literature before 1800 (only one of which may be Shakespeare) of the following:</i>	
ENG 332	English Women Writers before 1800	
ENG 335		
ENG 336	Introduction to Chaucer	
ENG 337	English Literature to 1500	
ENG 338		
ENG 342	The Seventeenth Century	
ENG 343	Topics in Pre-1800 Literature	
ENG 360	The Restoration and the Eighteenth Century	
ENG 372	Early American Literature	
ENG 381	English Drama to 1800	
ENG 450		
ENG 410	Old English	
ENG 437	Middle English Literature	
ENG 441	Milton	
ENG 461	Eighteenth-Century British Writers	
ENG 339	Shakespeare: Early Plays and Sonnets	

or ENG 340	Shakespeare: Later Plays	
or ENG 440	Shakespeare	
Post-1800 - Select one course in literature after 1800 of the following:		
ENG 315	Postcolonial Literatures	
ENG 316	Studies in Human Rights and Literature	
ENG 331	Women in Literature	
ENG 333	Southern Writers	
ENG 344	The Romantic Period	
ENG 345	The Victorian Period	
ENG 346	English Literature from Victorian to Modern	
ENG 347	Topics in Post-1800 Literature	
ENG 348	Contemporary British Literature and Culture	
ENG 349		
ENG 350	The Twentieth-Century English Novel	
ENG 351	The American Novel through World War I	
ENG 352	The Twentieth-Century American Novel	
ENG 353	The Contemporary Novel	
ENG 357	Modernism	
ENG 358	Modern Poetry	
ENG 359	Contemporary Poetry	
ENG 373	American Romanticism	
ENG 374	Early African American Writers	
ENG 375	Topics in Native American and Indigenous Studies	
ENG 376	African American Writers after the 1920s	
ENG 377		
ENG 378	American Life-Writing	
ENG 379		
ENG 380	Literature and the Environment	
ENG 382		
ENG 451		
ENG 445	Nineteenth-Century British Writers	
ENG 452	Modern British Writers	
ENG 458	American Poetry After 1900	
ENG 459	Twentieth-Century British Poetry	
ENG 463	American Poetry Before 1900	
ENG 464	American Prose Before 1900	
ENG 465	American Prose After 1900	
ENG 482	Modern Drama	
Contemporary Theoretical Approaches		3
ENG 303	Critical Approaches to the Study of Literature	
Approaches to Rhetoric		3
Select one of the following:		
ENG 304	History and Theory of Rhetoric	
ENG 305	Contemporary Rhetoric	
ENG 306	Digital Rhetoric	
Additional Requirements		6
ENG 322	The Teaching of Writing	
ENG 321	Linguistics for Teachers	
World Literature		3
Select one of the following:		
ENG 201	European Literary Classics: Ancient to Renaissance	

ENG 202	
ENG 204	Nonwestern Literary Classics
ENG 209	Topics in Non-Western Literature
ENG 315	Postcolonial Literatures
ENG 316	Studies in Human Rights and Literature

Select two additional courses in English at or above the 200 level

Besides completing the above courses in English, candidates for teaching licensure must meet additional requirements, including admission to teacher education (end of sophomore year) and to student teaching (junior year), successful completion of Praxis, and course work outside the English Department. For full current information about all requirements contact the School of Education Office of Student Services at 336-334-3410 and consult the UNC Greensboro Teacher Education Handbook. Note: admission to teacher education and student teaching in English requires a minimum grade point average of 2.75, overall and in the major.

Electives

Select electives sufficient to complete the 120 credit hours required for degree

Accelerated B.A. to M.A.

The Accelerated BA to MA in English requires 30-36 credit hours and is designed for those planning to pursue a doctorate; to teach in community colleges, technical institutes, or some undergraduate colleges; and to work in non-academic settings. Three plans of study beyond the core requirements are offered:

- 1. Thesis Plan
- 2. Teaching Composition Plan
- 3. Careers in the Humanities Plan

Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Degree Program in English. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year.

English has the following additional requirements for ADP applicants:

At least 15 credits of undergraduate English courses at the 200-level or above, with an earned 3.5 GPA in these courses.

Standard application requirements for the Master of Arts program, excluding GRE scores (i.e., undergraduate transcript(s), three letters of recommendation, statement of purpose, writing sample, and resume or cv).

Accelerated Degree Program applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the English Master of Arts degree program. Students admitted to the ADP program may apply a maximum of 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate degrees, provided that they earn a grade of "B" (3.0) or better in each graduate course and fulfill graduate-level requirements.

Degree Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Arts in English will remain the same.

ADP Courses

Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements.

The M.A. degree requires 30-36 credit hours of graduate-level coursework. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete a minimum of 18 credits of further graduate-level coursework to complete the M.A. degree. No more than 9 credits at the 500-level may be counted toward the M.A. degree. Please see the University Catalog for a full description of the M.A. degree requirements.

The following courses have been identified as those that may be counted toward the B.A. and M.A. degrees. These courses have been chosen because they are well suited to ADP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.A. degree must be approved by the Director of Graduate Study.

The following courses may be counted toward both the bachelor and master's degrees:

Code	Title	Credit Hours
ENG 601	English Studies: Content, Methods, and Bibliography	3
ENG 549	The Critical Canon and Contemporary Issues	3
ENG 642	Topics in Pre-1800 Literature *	3
ENG 664	Topics in Post-1800 Literature *	3

* May be repeated twice for credit when topic or instructor varies.

Creative Writing Undergraduate Minor

The courses listed below satisfy the College Reasoning and Discourse (CRD) requirement and do not, therefore, count as part of the credit hours for a Creative Writing Minor.

- ENG 101
- ENG 102

Creative Writing minors have a wide choice among courses offered in fulfilling the minimum of 18 credits. They are urged, however, to consult with the Director of Undergraduate Studies as early as possible for help in planning a program.

Program Requirements

- 18 credit hours as described below. No more than 6 credits at the 100 level and at least 6 credits at the 300 level or above.

Code	Title	Credit Hours
Required		18
ENG 221	Writing of Poetry: Introductory	
ENG 225	Writing of Fiction: Introductory	
<i>Select one of the following</i>		
ENG 106	Introduction to Poetry	
ENG 358	Modern Poetry	
ENG 359	Contemporary Poetry	
<i>Select one of the following</i>		
ENG 105	Introduction to Narrative	
ENG 350	The Twentieth-Century English Novel	
ENG 351	The American Novel through World War I	
ENG 352	The Twentieth-Century American Novel	
ENG 353	The Contemporary Novel	
<i>Select one of the following</i>		
ENG 325	Writing of Fiction: Intermediate	
ENG 326	Writing of Poetry: Intermediate	
<i>Select one of the following</i>		
ENG 425	Writing of Fiction: Advanced	
ENG 426	Writing of Poetry: Advanced	

English Undergraduate Minor

The courses listed below satisfy the College Reasoning and Discourse (CRD) requirement and do not, therefore, count as part of the credit hours for an English minor.

- ENG 101

English minors have wide choice among courses offered in fulfilling the minimum of 18 credits in English. They are urged, however, to report to the Director of Undergraduate Studies as early as possible for help in planning a program.

Program Requirements

- Minimum 18 credit hours

Code	Title	Credit Hours
Required		6
<i>Select two of the following:</i>		
ENG 201	European Literary Classics: Ancient to Renaissance	
ENG 211	Major British Authors: Medieval to Eighteenth Century	
ENG 212	Major British Authors: Romantic to Modern	
ENG 251	Major American Authors: Colonial to Romantic	
ENG 252	Major American Authors: Realist to Modern	
Additional Courses		12
<i>Select no more than 6 credits at the 100 level (but see head note, above) and at least 6 credits at the 300 level or above.</i>		

For information on licensure toward a high school English endorsement, fulfilling the English minor requirements, see the Director of English Education.

Rhetoric and Public Advocacy Undergraduate Minor

The courses listed below satisfy the College Reasoning and Discourse (CRD) requirement and do not, therefore, count as part of the credit hours for an English minor.

- ENG 101
- ENG 102

Rhetoric and Public Advocacy minors have wide choice among courses offered in fulfilling the minimum of 18 credits. They are urged, however, to report to the Director of Undergraduate Studies as early as possible for help in planning a program.

Program Requirements

- 18 credit hours with a minimum of 9 credits at the 300 level.

Code	Title	Credit Hours
Required		18
ENG 307	Public Advocacy and Argument	
<i>Select one of the following</i>		
ENG 304	History and Theory of Rhetoric	
ENG 305	Contemporary Rhetoric	
ENG 306	Digital Rhetoric	
<i>Select two of the following</i>		
ENG 219	Journalism I: Fundamentals of Newswriting	
ENG 223	Writing Opinion Essays	
ENG 230	Writing for the Workplace and Public Audiences	
ENG 262	Language and Society	
ENG 290	The Rhetoric of Social Movements	
ENG 304	History and Theory of Rhetoric	
ENG 305	Contemporary Rhetoric	
ENG 306	Digital Rhetoric	
ENG 327	Writing for Professionals and Entrepreneurs	
ENG 363	Topics in Rhetoric and Composition	
ENG 365	Writing Across the University	
ENG 390	Studies in Writing Center Theory and Practice *	
ENG 401	Internship in Journalism and Editing	
ENG 402	Internship in English Studies	
ENG 435	Entrepreneurship and Independent Press Publishing	
ENG 490	Literacy, Learning, and Fieldwork	
<i>Select one of the following Related Area Electives</i>		
CST 210	Communicating Ethically	
CST 308	Organizational Communication	
CST 315	Persuasion and Social Influence	
CST 344	Conflict Communication	
CST 342	Communication and Public Relations: Strategies and Innovations	
CST 406	Speaking Out for Community Change	
CST 420	Environmental Communication	
CST 440	Reclaiming Democracy: Dialogue, Decision-Making, Community Action	

CST 460	Special Topics in Communication Research **
Select one of the following ¹	
ENG 315	Postcolonial Literatures
ENG 316	Studies in Human Rights and Literature
ENG 331	Women in Literature
ENG 374	Early African American Writers
ENG 375	Topics in Native American and Indigenous Studies
ENG 376	African American Writers after the 1920s
ENG 380	Literature and the Environment
ENG 431	Feminist Theory and Women Writers

* Students cannot apply both ENG 390 and ENG 391 to the minor.

** With approval of the specific topic by the English Department Director of Undergraduate Studies.

¹ Additional English Courses may be included for this category by approval of the Director of Undergraduate Studies.

English Second Academic Concentration

English Second Academic Concentration for Elementary Education with K–6 Teacher Licensure, B.S.

The English department offers an 18 credit second academic concentration in English that meets requirements for Elementary Education and Special Education (School of Education) and certain other university programs in education. Consult with your major advisor or with the Director of Undergraduate Studies in English. Education students who are required to complete another approved concentration in a basic academic discipline, must fulfill the following requirements (18 credits) for a second academic concentration in English.

Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Core Courses		9
Select three of the following:		
ENG 211	Major British Authors: Medieval to Eighteenth Century	
ENG 212	Major British Authors: Romantic to Modern	
ENG 251	Major American Authors: Colonial to Romantic	
ENG 252	Major American Authors: Realist to Modern	
Linguistics		
Select one of the following:		
ENG 321	Linguistics for Teachers	
ENG 262	Language and Society	
Electives		6
Select two electives at the 200 or 300 level for 6 credits		

English Second Academic Concentration for Special Education: General Curriculum, B.S.

The English department offers an 18 credit second academic concentration in English that meets requirements for Elementary Education and Special Education (School of Education) and certain other university programs in education. Consult with your major advisor or with the Director of Undergraduate Studies in English. Education students who are required to complete another approved concentration in a basic academic discipline, must fulfill the following requirements (18 credits) for a second academic concentration in English.

Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Core Courses		9
Select three of the following:		
ENG 211	Major British Authors: Medieval to Eighteenth Century	
ENG 212	Major British Authors: Romantic to Modern	
ENG 251	Major American Authors: Colonial to Romantic	
ENG 252	Major American Authors: Realist to Modern	
Linguistics		
Select one of the following:		
ENG 321	Linguistics for Teachers	
ENG 262	Language and Society	
Electives		6
Select two electives at the 200 or 300 level for 6 credits		

English Second Academic Concentration for Middle Grades Education, B.S.

Middle Grades Education majors must fulfill the following requirements (25 credits) for a second academic concentration in English. Consult with your major advisor or with the Director of Undergraduate Studies in English.

Requirements

- Minimum of 25 credit hours

Code	Title	Credit Hours
British Literature		3
Select one of the following:		
ENG 211	Major British Authors: Medieval to Eighteenth Century	
ENG 212	Major British Authors: Romantic to Modern	
ENG 213	Transcultural Literatures: Medieval to Enlightenment	
American Literature		3
ENG 251	Major American Authors: Colonial to Romantic or ENG 252 Major American Authors: Realist to Modern	
Required		
ENG 303	Critical Approaches to the Study of Literature	

ENG 321	Linguistics for Teachers
ENG 324	Teaching Writing in Elementary and Middle Grades
ENG 310	Young Adult Literature
TED 430	Middle Grades Language Arts

Creative Writing, M.F.A.

The M.F.A. in Creative Writing, one of the oldest and most prestigious programs of its kind in the nation, is offered to a limited number of students with superior ability in writing original works of poetry or fiction. The program requires 36-48 credit hours and permits students to develop particular talents in small classes and in conferences with writers in residence and distinguished visiting writers. The best student work may be published in *The Greensboro Review*. The most talented students are considered for fellowships as well as research and teaching assistantships. The M.F.A. is a residency program for full-time students.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a writing sample by January 1 to be considered for Fall admission.

Degree Program Requirements

Required: 36-48 credit hours

Code	Title	Credit Hours
Required Core Courses (30 credits)		
ENG 625	MFA Fiction Workshop	3
ENG 626	MFA Fiction Workshop	3
ENG 627	MFA Poetry Workshop	3
ENG 628	MFA Poetry Workshop	3
ENG 671	Graduate Tutorial in Writing: Fiction	3
ENG 672	Graduate Tutorial in Writing: Fiction	3
ENG 673	Graduate Tutorial in Writing: Poetry	3
ENG 674	Graduate Tutorial in Writing: Poetry	3
ENG 677	Special Problems in Writing	3
ENG 678	Special Problems in Writing	3
Elective Academic Courses (12 credits)		
Select a minimum of four courses in a related academic field, usually in English or American literature, at the 500, 600, or 700 level.		12
Comprehensive Examination (Capstone Experience)		
Please consult with the Director of the M.F.A. Writing Program about dates for this examination.		
Thesis (6 credits)		
ENG 699	Thesis (May be a novel, a collection of short stories, or a volume of poetry)	6
Total Credit Hours		48

Elective Academic Courses

Students may, with permission of the Director of the M.F.A. Writing Program, take 500-and 600-level courses offered by other departments in the College of Arts and Sciences, most often in the departments of Languages, Literatures, and Cultures, Media Studies, and Art.

Students who plan a career in college teaching should take as many courses as possible in literature, criticism, and composition and rhetoric, including ENG 680 Teaching Internships in English.

Students who plan careers in publishing and editing should select courses focusing on contemporary publishing:

Code	Title	Credit Hours
ENG 535	Entrepreneurship and Independent Press Publishing	3
ENG 620	Contemporary Publishing	3
ENG 622	Internship in English	3

English, M.A.

The M.A. in English requires 30-36 credit hours and is designed for those planning to pursue a doctorate; to teach in community colleges, technical institutes, or some undergraduate colleges; and to work in non-academic settings. Three plans of study beyond the core requirements are offered:

1. Thesis Plan
2. Teaching Composition Plan
3. Plan of Study for Careers in the Humanities

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a 1-2 page statement of purpose, a writing sample (less than 30 pages), and a current cv or resume.

Degree Program Requirements

Required: 30-36 credit hours

No more than three courses at the 500-level may be submitted for the degree. All other work must be at the 600-level and above.

Code	Title	Credit Hours
Required Core Courses (24 credits)		
ENG 601	English Studies: Content, Methods, and Bibliography	3
Select 3 literature courses (9 credits) including one before 1800 and one after		9
Select 3 elective courses (9 credits) normally in English or American literature		9
Select 1 critical theory course (3 credits) from the following or from special topics courses approved in advance by the Director of Graduate Study:		3
ENG 549	The Critical Canon and Contemporary Issues	
ENG 650	Modern Literary and Cultural Theory	
Alternative Plans of Study (6-12 credits)		
Select one of the following:		6-12
<i>Thesis Plan (6 credits)</i>		
<i>Teaching Composition Plan (12 credits)</i>		
<i>Plan of Study for Careers in the Humanities (12 credits)</i>		
Total Credit Hours		30-36

Alternative Plans of Study

Thesis Plan

Code	Title	Credit Hours
ENG 699		6

M.A. students in the thesis plan must demonstrate reading knowledge of a foreign language. A level of proficiency in one foreign language, equivalent to completion of the first semester of an intermediate course (such as 203 at UNC Greensboro), must be documented either by previous coursework completed during the last five years and approved by the Director of Graduate Study, or by coursework while enrolled in the M.A. program, or by an appropriate score on a written examination. Because of the language requirement, a minimum of credits is required for the degree: 24 core credits and 6 thesis credits. Native speakers of other languages can demonstrate foreign language proficiency through their graduate course work in English. Students in the M.A./Ph.D. track will ultimately have to fulfill the foreign language requirement for the Ph.D.

Students who have been admitted into the Ph.D. program and/or who have the permission of their thesis committee and the Director of Graduate Study may elect to write a two-paper thesis instead of the traditional single-topic thesis. Recommended for those students for whom the M.A. will not be the terminal degree, the two-paper thesis will consist of two graduate papers expanded and revised to publishable quality.

Teaching Composition Plan

A total of 36 credits is required for the degree, the 24-credit core plus 12 credits distributed as follows:

Code	Title	Credit Hours
ENG 680	Teaching Internships in English (Capstone Experience)	3
Select 3 electives (9 credits) in rhetoric and composition or language and linguistics from the following: *		9
ENG 513	History of the English Language	
ENG 522	Teaching Composition: Theories and Applications	
ENG 688	Women's Rhetoric and Feminist Pedagogy	
ENG 690	History of Rhetoric: Classical through Renaissance	
ENG 691	History of Rhetoric: Enlightenment through Contemporary	
ENG 742	Studies in Rhetorical Theory and Practice	
ENG 744	Seminar in Composition Studies	
ENG 746	Studies in Contemporary Rhetorical Theory	

* Or special topics courses approved in advance by the Director of Graduate Study.

Plan of Study for Careers in the Humanities

A total of 36 credits is required for the degree, the 24-credit core plus 12 credits distributed as follows:

Code	Title	Credit Hours
ENG 680 or ENG 622	Teaching Internships in English * Internship in English	3
Select 3 courses (9 credits) in a minor or collateral field		9

* Note: ENG 622 Internship in English with approval in advance from the Director of Graduate Study (Capstone Experience)

Accelerated B.A. to M.A.

The Accelerated B.A. to M.A. in English requires 30-36 credit hours and is designed for those planning to pursue a doctorate; to teach in community colleges, technical institutes, or some undergraduate colleges; and to work in non-academic settings. Three plans of study beyond the core requirements are offered:

1. Thesis Plan
2. Teaching Composition Plan
3. Careers in the Humanities Plan

Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Degree Program in English. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year.

English has the following additional requirements for ADP applicants:

At least 15 credits of undergraduate English courses at the 200-level or above, with an earned 3.5 GPA in these courses.

Standard application requirements for the Master of Arts program, excluding GRE scores (i.e., undergraduate transcript(s), three letters of recommendation, statement of purpose, writing sample, and resume or cv).

Accelerated Degree Program applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the English Master of Arts degree program. Students admitted to the ADP program may apply a maximum of 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate degrees, provided that they earn a grade of "B" (3.0) or better in each graduate course and fulfill graduate-level requirements.

Degree Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Arts in English will remain the same.

ADP Courses

Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements.

The M.A. degree requires 30-36 credit hours of graduate-level coursework. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete a

minimum of 18 credits of further graduate-level coursework to complete the M.A. degree. No more than 9 credits at the 500-level may be counted toward the M.A. degree. Please see the University Catalog for a full description of the M.A. degree requirements.

The following courses have been identified as those that may be counted toward the B.A. and M.A. degrees. These courses have been chosen because they are well suited to ADP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.A. degree must be approved by the Director of Graduate Study.

The following courses may be counted toward both the bachelor and master's degrees:

Code	Title	Credit Hours
ENG 601	English Studies: Content, Methods, and Bibliography	3
ENG 549	The Critical Canon and Contemporary Issues	3
ENG 642	Topics in Pre-1800 Literature *	3
ENG 664	Topics in Post-1800 Literature *	3

* May be repeated twice for credit when topic or instructor varies.

M.A. Doctoral Track

Individuals intending to continue on to doctoral studies in English at UNC Greensboro may apply to the M.A. Doctoral Track which offers exceptionally well-qualified applicants the opportunity to gain admission to the master's and doctoral programs simultaneously. This program is designed for students who would like to obtain their M.A. and then proceed directly to the Ph.D. program. Students accepted into the Doctoral Track must fulfill all requirements for the M.A. and the Ph.D. and will earn both degrees. Students not accepted into the M.A. Doctoral Track may still be accepted into the M.A. only.

English, Ph.D.

The Ph.D. in English requires 42-48 credit hours and is offered to superior applicants who are preparing for careers in teaching and research in colleges and universities. The program permits specialization in literary studies or rhetoric and composition in small classes and a format conducive to individualized instruction. Full-time doctoral students may be appointed as teaching assistants in the department. The most talented students are recommended for fellowships.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a writing sample (less than 30 pages), a 1-2 page statement of purpose, and a current cv or resume.

M.A. Doctoral Track

Individuals intending to continue on to doctoral studies in English at UNC Greensboro may apply to the M.A. Doctoral Track which offers exceptionally well-qualified applicants the opportunity to gain admission to the master's and doctoral programs simultaneously. This program is designed for students who would like to obtain their M.A. and then proceed directly to the Ph.D. program. Students accepted into the Doctoral Track must fulfill all requirements for the M.A. and the Ph.D.

and will earn both degrees. Students not accepted into the M.A. Doctoral Track may still be accepted into the M.A. only.

Ph.D. Track

Students who enter with an M.A. in English are required to earn a minimum of 27 credit hours, fulfill the foreign language requirement, pass the preliminary comprehensive examination, and defend successfully their dissertations. Students entering with other advanced degrees will have their transcripts individually evaluated by the Director of Graduate Study to establish the minimum course work required.

Degree Program Requirements

Required: 42-48 credit hours

No more than three courses at the 500 level may be submitted for the degree. All other work must be at the 600 level and above

Required Core Courses (9-12 credits)

All students have three course requirements in their doctoral program, and all are taken as a part of the 27 credit plan of study. The course requirements are based on the student's declared primary area of specialization from the following options:

Area of Specialization

- Old and Middle English Literature
- Renaissance/Early Modern Literature
- Restoration and Eighteenth-Century Literature
- Nineteenth-Century British Literature
- Post-1900 British and Anglophone Literature
- Postcolonial and World Literatures and Theory
- American Literature Before 1900
- American Literature After 1900
- Native American Literature
- African American Literature
- Rhetoric and Composition
- Literary Theory

If a student's specialization is in literature before 1800, the course requirements are

- 2 courses in literature after 1800
- 1 course in rhetoric and composition or literary theory

If a student's specialization is in literature after 1800, the course requirements are

- 2 courses in literature before 1800
- 1 course in rhetoric and composition or literary theory

If a student's specialization is in rhetoric and composition, the course requirements are

- 1 course in literature before 1800
- 1 course in literature after 1800
- 1 course in literary theory

If a student's specialization is in literary theory, the course requirements are

- 1 course in literature before 1800
- 1 course in literature after 1800
- 1 course in rhetoric and composition

In addition, all graduate teaching assistants are required to take ENG 747 Teaching College Writing. This course does not fulfill a doctoral course requirement but may be included in the plan of study.

Electives (15-18 credits)

For the remaining credits of electives, students should choose from the graduate offerings that will help them specialize in their primary and secondary areas in English and in supporting fields. These courses, selected in consultation with the Director of Graduate Study and the student's advisory committee, should form a coherent plan to prepare the student in the areas of specialization.

Minor in a Supporting Field

With the approval of the student's advisory/dissertation committee and the Director of Graduate Study, students may use their electives and additional courses toward achieving a minor in certain supporting fields outside of English. A minor consists of at least 12 credits of advanced work in a single cognate subject. All coursework applied toward the minor must be approved by the Director of Graduate Study.

Foreign Language Requirement

Ph.D. students fulfill the foreign language requirement before taking the preliminary examination. A level of proficiency in one foreign language, equivalent to completion of the second semester of an intermediate course (such as ENG 204 Nonwestern Literary Classics at UNC Greensboro), must be documented either by previous coursework completed during the last five years and approved by the Director of Graduate Study, or by coursework while enrolled in the Ph.D. program, or by an appropriate score on a written examination. Native speakers of other languages can demonstrate foreign language proficiency through their graduate course work in English.

Preliminary Comprehensive Examination

At the end of the coursework and after satisfying the foreign language requirement and other conditions or research skill requirements, students must pass the preliminary comprehensive examination. In preparation for the examination, the student prepares reading lists for one primary field and two secondary fields in consultation with the advisory committee.

Written Examination

The written examination is taken on three days within one week and consists of the following:

A five-hour examination on the primary field, the specialization chosen from among the following areas: Old and Middle English; Renaissance/ Early Modern English; Restoration and Eighteenth-Century British, Nineteenth-Century British, Post-1900 British and Anglophone Literature, Postcolonial and World Literature and Theory, American Literature before 1900, American Literature after 1900, Native American Literature, African American Literature, Rhetoric and Composition, Literary Theory.

Two three-hour examinations in secondary fields. One of these fields could be either a different area selected from the list of primary fields or a cross-period/critical problem.

Oral Examination

The oral examination (two to three credits) is on the primary and secondary fields and is taken within a month after the written examination.

Further guidelines for the preliminary examination and reading lists may be found at www.uncg.edu/eng/graduate.

Dissertation (15-21 credits)

Code	Title	Credit Hours
ENG 799	Dissertation	

A dissertation demonstrates ability to do original research and to present this investigation in an orderly, exact, and complete manner.

Final Oral Examination

The examination administered by the advisory committee is largely related to the dissertation but may cover topics from the entire field of the candidate's study, including courses taken here and elsewhere.

Geography, Environment, and Sustainability

College of Arts and Sciences

237 Graham Building
336-334-5388
<http://ges.uncg.edu/>

Corey M. Johnson, *Department Head*
Dan Royall, *Associate Department Head*
Selima Sultana, *Director of Graduate Study*
Jay Lennartson, *Director of Undergraduate Studies*
Aaron S. Allen, *Director of Environment & Sustainability Program*

Mission Statement

The Department of Geography, Environment, and Sustainability is a student-centered department having a three-fold integrated mission encompassing teaching, scholarship, and service. The Department offers programs presenting an integrative perspective on the relations among social, political, economic, and environmental phenomena occurring across space. The Department is committed to teaching the concepts and research methods that prepare majors for professional careers and/or advanced study. Non-majors who take classes in the Department are provided with the knowledge needed to understand the nature of the human and environmental patterns found in the world around them. Graduate student education is focused on preparing students for advanced professional careers and/or further graduate study. The Department is committed to excellence in both theoretical and applied research. Undergraduate and graduate student involvement in research is encouraged to develop student understanding, reasoning, and technical skills. Through scholarship, teaching, and service, the Department of Geography, Environment, and Sustainability is dedicated to improving our communities and the planet.

About

The Department of Geography, Environment, and Sustainability offers curricula with three principal objectives: to promote the understanding of the locational dimensions of human behavior in their environmental

context; to offer courses of study through which concepts and methods are applied to understanding economic, environmental, and social problems at the local, regional, and global scales; and to promote sustainability through the interconnected lenses of social equity, the environment, economy, and aesthetics. Thus, the Department contributes an important dimension to the university student's liberal education and provides practical training in important contemporary areas of concern as well as the background appropriate for certain vocations.

Graduates of geography programs have found careers in business and industry, in urban and regional planning agencies, in departments of federal and state governments, and in teaching. Job titles include city or regional planner, cartographer, demographer, resource analyst, land or economic developer, location analyst, and teacher. Many graduates find that an undergraduate degree in geography is an excellent foundation for advanced graduate work or professional training in planning, business, or law.

Graduates of environmental and sustainability programs go on to careers in non-profits, government, and the private sector as well as to graduate studies in a variety of disciplines. Career paths are numerous and include advocacy, agriculture, business, design, education, enforcement, journalism, law, nature and land protection, organizing for social and environmental justice, tourism and recreation, etc. Our students come from diverse backgrounds, participate regularly in internships and study abroad, and benefit from personalized advising.

Special facilities of the department include fully equipped laboratories in computer cartography, geographic information systems, remote sensing, and physical geography, plus a 130-acre field camp for instruction and research.

Graduate Programs

The Department of Geography, Environment, and Sustainability offers the M.A. in Applied Geography, the Ph.D. in Geography, a Post-Baccalaureate Certificate in Global and Regional Studies Geography, and a Post-Baccalaureate Certificate in Sustainability. The department also offers a Post-Baccalaureate Certificate in Urban and Economic Development jointly with the Department of Political Science; for more information, see the program page at <https://catalog.uncg.edu/arts-sciences/political-science/urban-economic-development-pbc/>. The programs focus on the application of theory and methods in geography toward the understanding of problems related to economic development, environmental quality, population change, and social well-being in urban, rural, regional, and international contexts.

Environment & Sustainability Program

Aaron S. Allen, *Director and Honors Program Liaison*

The Environment & Sustainability Program is an interdisciplinary program that fosters understanding of the relationships between human societies and the natural, physical, and biological settings in which life on Earth exists. Our three majors and two minors integrate perspectives of the natural sciences, social sciences, and arts and humanities.

The Program degrees build on the unique definition of sustainability at UNC Greensboro (<http://sustainability.uncg.edu>), where "Academics, operations, and outreach are conducted with careful attention to the enduring interconnectedness of social equity, the environment, the economy, and aesthetics." Our degrees require electives in each of

those four areas: society and equity, natural science of the environment, economics and development, and ethics and aesthetics.

Students work with diverse faculty and staff from across campus and community (1) to learn how to gather and integrate information about environmental and sustainability problems from multiple disciplines, (2) to think critically about the causes of environmental and sustainability problems, (3) to propose effective solutions and evaluate their strengths and weaknesses, and (4) to communicate their ideas clearly. Our students come from a variety of backgrounds and are eligible for internships and study abroad, and all receive expert advising from the Program Director. Graduates will be well prepared for roles as educated citizens who are especially well informed about the environment and for numerous career paths that require a broad range of knowledge about environmental and sustainability issues.

Requirements

At least 24 credits of related area electives must be at the 300 level or above, and many courses count toward General Education Core requirements. The required courses in all program concentrations will fulfill the GNS/GLS, GNS/GPS, and SI and WI in major (12-13 credits). In addition, depending on student choices, it is possible to fulfill GMT, GSB, GNS/lab, GPR, GFA, GHP/GMO, SI, WI, GN, GL, and half (3 credits) of GLT. Students must fulfill the following General Education courses outside the Environment & Sustainability Program requirements: GLT (3 credits), GHP/GPM (3 credits), GRD (6 credits), and GFL (0-12 credits).

Students choose either the Environmental Studies concentration or the Sustainability Studies concentration, both of which emphasize the integration of the natural sciences, social sciences, and arts and humanities. The core requirements for the concentrations are similar; they differ in the Biology core requirement (BIO 112 is required for Environmental Studies, while Sustainability Studies requires either BIO 112 or BIO 105) and in the distribution of related area electives. The Environmental Studies concentration has a greater emphasis on natural science, while the Sustainability Studies concentration has a greater emphasis on social sciences and the humanities.

The distribution of electives in the two concentrations compares as follows:

Electives	Environmental Studies	Sustainability Studies
Natural Sciences	12 credits	6 credits
Equity & Society	9 credits	12 credits
Economics & Development	9 credits	9 credits
Aesthetics & Ethics	3 credits	6 credits
Free Electives	6 credits	6 credits

Students with a GPA greater than 3.30 in the junior year may choose the self-designed Environment & Sustainability Studies concentration; this concentration is developed in consultation with the Director and allows the student to propose 39 credits of appropriate electives (with at least one course in each of the four related area electives). Students are required to maintain a 3.30 GPA.

Students in all concentrations should plan carefully with the Director because courses are continually added and removed from the list of area electives and because substitutes may be available. Some courses have prerequisites that do not count for credit in the Environment & Sustainability Program. No single course may count in more than one of the four related areas, none of the required core courses may count as

related area or free electives, and no more than 12 credits from any one course prefix may count toward the concentration. Students can neither major in multiple concentrations in the Environment & Sustainability Program nor major in one of these Program concentrations and also be either a Sustainability Studies minor or an Environmental Studies minor. Students are welcome and encouraged to choose a second major and/or minor in other fields of study.

Professor

Rick L. Bunch^G
Keith G. Debbage^G
Corey Michael Johnson^G
Paul A. Knapp^G
Jeffrey C. Patton^G
Selima Sultana^G

Associate Professor

Zhi-Jun Liu^G
Phillip Daniel Royall^G
Roy S. Stine^G

Assistant Professor

Wenliang Li^G
Sarah J Praskievicz^G
John G. Stehlin^G

Senior Lecturer

Mary Bee Hall-Brown^G
G.Jay Lennartson^G

Lecturer

Jenny M. Berggren
Shaleen A Miller

Senior Academic Professional

James A. Nelson

^G Graduate-level faculty

- Environmental Studies Concentration; Environmental and Sustainability Studies Concentration; and Sustainability Studies Concentration* (p. 299)
- Geography, B.A. (p. 299)
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- Global and Regional Studies Geography, Post-Baccalaureate Certificate (p. 309)
- Sustainability, Post-Baccalaureate Certificate (p. 309)

* *The Department of Geography, Environment, and Sustainability offers the following concentrations in the Special Programs in Liberal Studies Major (p. 382):*

- *Environmental Studies*
- *Environmental and Sustainability Studies*
- *Sustainability Studies*

Environment and Sustainability Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3-6
HSS 490 or GES 493	Senior Honors Project Honors Work	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Environment and Sustainability Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Aaron Allen at asallen@uncg.edu for further information and guidance about Honors in Environment and Sustainability Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Geography Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3-6
HSS 490 or GES 493	Senior Honors Project Honors Work	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Geography; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Jay Lennartson at gjlennar@uncg.edu for further information and guidance about Honors Geography. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Environmental Studies Concentration; Environmental and Sustainability Studies Concentration; and Sustainability Studies Concentration

The Department of Geography, Environment, and Sustainability offers the following concentrations in the Special Programs in Liberal Studies Major (<https://catalog.uncg.edu/arts-sciences/special-programs-liberal-studies-major>):

- Environmental Studies
- Environmental and Sustainability Studies
- Sustainability Studies

Geography, B.A.

The Geography Major requires four courses from a selection of 15 and requires a minimum of 27 credit hours in geography above the 100 level. Students may elect a general geography major or they may complete additional courses for a concentration in Urban Planning, Earth Science, or Geographic Information Science. Students may also complete a major in Geography with Social Studies High School Teaching Licensure.

Student Learning Goals

Students completing this major are expected to demonstrate a basic competence in earth science, human geography, and regional geography. In addition, they are expected to be able to successfully investigate geographic problems using the current research techniques and methodologies of the discipline and to clearly and effectively express their findings in both written and oral form.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A minimum of 27 credits in geography above the 100 level. Only grades of C- or higher will count toward completion of the major and concentrations.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Core Courses		12
<i>Geographic Techniques</i>		
Select one of the following:		
GES 121	Introduction to Geographic Information Science	
GES 322	Research Methods in Geography	

GES 357	Principles of Cartography
GES 358	Geographic Information Systems
GES 359	Remote Sensing of Environment
<i>Earth Science</i>	
Select one option of the following:	
<i>Option A:</i>	
GES 103	Introduction to Earth Science
<i>Option B:</i>	
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory
<i>Human Geography</i>	
Select one of the following:	
GES 105	Introduction to Human Geography
GES 301	Urban Geography: Global Patterns
GES 302	Urban Geography: Land Use
GES 303	World Population Problems
GES 304	Introduction to Transportation Analysis
GES 306	World Economic Geography
GES 315	The Geography of World Affairs
<i>Regional Geography</i>	
Select one of the following:	
GES 102	The Historical Geography of the Western World
GES 104	World Regional Geography
GES 313	Natural Resource Regions of North America
GES 333	Geography of Europe
GES 340	Geography of East Asia
GES 344	Geography of the United States and Canada
GES 491	Current Topics in Regional Geography
GES 451	Seminar in Regional Geography

† Counts toward GEC GNS requirement.

Optional Concentrations

Any of the optional concentrations as detailed following the major requirements may be added, but a concentration is not required.

- Earth Science
- Geographic Information Science
- Urban Planning

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Earth Science Concentration Requirements

A central theme of geography is human interaction with the earth's physical environment. This concentration permits students to apply the basic scientific principles of physical geography, cartography, and natural resource analysis to the problem of ensuring a high quality of life through maintenance of the natural processes that support human existence. This concentration also provides training to enhance the employment opportunities of students with a strong interest in environmental assessment and resource evaluation.

Code	Title	Credit Hours
Additional Concentration Requirements		23
<i>Required</i>		
GES 319	Weather and Climate	
GES 319L	Climatology Laboratory	
GES 314	Physical Geography: Landscape Processes	
GES 314L	Physical Geography Laboratory	
<i>Select a minimum of five courses of the following:</i>		
GES 205	Environmental Change: Its Nature and Impact	
GES 305	Environmental Hazards Assessment	
GES 312	Geomorphology of North America	
GES 330	Elements of Hydrology	
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
GES 418	Biogeography	
GES 419	Advanced Weather and Climate-Synoptic Climatology	
GES 457	Advanced Cartography	
GES 459	Advanced Remote Sensing-Imaging	
GES 450	Applied Physical Geography	

† *Counts toward GEC GNS requirement.*

Geographic Information Science Concentration Requirements

Students with this concentration will develop skills in using maps, geospatial computer programs, and remotely sensed images to answer geographic questions relevant to land use planning, urban development, geomorphic or biogeographic processes, or environmental impact assessment. A capstone course (GES 421), which includes a faculty-directed major project, is completed in the final semester.

Code	Title	Credit Hours
Additional Concentration Requirements		15
<i>Required</i>		
GES 121 & 121L	Introduction to Geographic Information Science and Intro to Geographic Information Science Laboratory	
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
<i>Select at least one of the following:</i>		
GES 457	Advanced Cartography	
GES 459	Advanced Remote Sensing-Imaging	
GES 421	Geographic Information Science *	

* *Taken after the completion of the other Additional Concentration Requirements.*

Urban Planning Concentration Requirements

The inter-regional shift of people and jobs in the United States and elsewhere over the past decades coupled with the movement away from large central cities has increased the need for formal urban and regional

planning. Planners are needed in the private sector as well as in state and local governments to provide the appropriate kinds of economic and community development that will ensure a high quality of life in both developed and developing countries. In a growth region like the Southeast, geographers with a planning background are in increasing demand

Code	Title	Credit Hours
Additional Concentration Requirements		24
<i>Required</i>		
GES 105	Introduction to Human Geography	
GES 301	Urban Geography: Global Patterns	
GES 306	World Economic Geography	
<i>Select five of the following:</i>		
GES 302	Urban Geography: Land Use	
GES 303	World Population Problems	
GES 304	Introduction to Transportation Analysis	
GES 320	Tourism Planning and Development	
GES 322	Research Methods in Geography	
GES 331	Sustainable Tourism and Transportation	
GES 344	Geography of the United States and Canada	
GES 357	Principles of Cartography	
GES 402	Entrepreneurial Urban Planning	
GES 432	Geography of Livable Cities	
GES 433	Regional Economic Development	

† *Counts toward GEC GNS requirement.*

Geography as a Second Major

- Minimum of 27 credit hours

A student may obtain a second major in geography along with any other major. The student should take 27 credits, including four core courses listed above for the Geography Major. Students considering this option should consult a faculty member in the department.

Accelerated B.A. to M.A. in Applied Geography

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. in Geography may apply for admission to the Accelerated Degree Program (Applying for Admission). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants will not be required to take the GRE. All applicants must submit the Request for Accelerated Degree Program to The Graduate School and must simultaneously apply for admission to the graduate degree program.

Admitted students may apply a maximum of 12 credits of graduate-level course work (each course carries 3 credits) from the following course list toward completion of both the undergraduate and graduate degree, provided they earn a grade of "B" (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
GES 602	Entrepreneurial Urban Planning	3
GES 604	Political Geography	3
GES 618	Biogeography	3
GES 619	Advanced Weather and Climate-Synoptic Climatology	3
GES 632	Geography of Livable Cities	3
GES 650	Applied Physical Geography	3
GES 651	Seminar in Regional Geography	3
GES 657	Advanced Cartography	3
GES 659	Advanced Remote Sensing-Imaging	3

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the B.A. and M.A. degree in Geography remain the same.

Geography, Secondary Education, B.A.

Student Learning Goals

Students completing this major are expected to demonstrate a basic competence in earth science, human geography, and regional geography. In addition, they are expected to be able to successfully investigate geographic problems using the current research techniques and methodologies of the discipline and to clearly and effectively express their findings in both written and oral form.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A minimum of 27 credits in geography above the 100 level. Only grades of C- or higher will count toward completion of the major and concentrations.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Teacher Licensure Requirements

Students seeking teacher licensure should see School of Education Licensure Programs. Licensure in social studies is available for geography majors. Additional hours may be required for completion of the degree.

Code	Title	Credit Hours
Core Courses		12
<i>Geographic Techniques</i>		

Select one of the following:

GES 121	Introduction to Geographic Information Science
GES 322	Research Methods in Geography
GES 357	Principles of Cartography
GES 358	Geographic Information Systems
GES 359	Remote Sensing of Environment
<i>Earth Science</i>	

Select one option of the following:

Option A:

GES 103	Introduction to Earth Science
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Option B:

GES 106	Geosystems Science
& GES 103L	and Earth Science Laboratory
<i>Human Geography</i>	

Select one of the following:

GES 105	Introduction to Human Geography
GES 301	Urban Geography: Global Patterns
GES 302	Urban Geography: Land Use
GES 303	World Population Problems
GES 304	Introduction to Transportation Analysis
GES 306	World Economic Geography
GES 315	The Geography of World Affairs
<i>Regional Geography</i>	

Select one of the following:

GES 102	The Historical Geography of the Western World
GES 104	World Regional Geography
GES 313	Natural Resource Regions of North America
GES 333	Geography of Europe
GES 340	Geography of East Asia
GES 344	Geography of the United States and Canada
GES 491	Current Topics in Regional Geography
GES 451	Seminar in Regional Geography

† Counts toward GEC GNS requirement.

Secondary School Planning

Majors planning to teach geography/social studies should plan their programs to include one of the courses listed below.

Code	Title	Credit Hours
Required		6
<i>Select one of the following:</i>		
GES 102	The Historical Geography of the Western World	
GES 104	World Regional Geography	
GES 344	Geography of the United States and Canada	
<i>Select one of the following:</i>		
GES 105	Introduction to Human Geography	
GES 306	World Economic Geography	
GES 315	The Geography of World Affairs	

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Geography as a Second Major

- Minimum of 27 credit hours

A student may obtain a second major in geography along with any other major. The student should take 27 credits, including four core courses listed above for the Geography Major. Students considering this option should consult a faculty member in the department.

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. in Geography may apply for admission to the Accelerated Degree Program (Applying for Admission). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants will not be required to take the GRE. All applicants must submit the Request for Accelerated Degree Program to The Graduate School and must simultaneously apply for admission to the graduate degree program.

Admitted students may apply a maximum of 12 credits of graduate-level course work (each course carries 3 credits) from the following course list toward completion of both the undergraduate and graduate degree, provided they earn a grade of "B" (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
GES 602	Entrepreneurial Urban Planning	3
GES 604	Political Geography	3
GES 618	Biogeography	3
GES 619	Advanced Weather and Climate-Synoptic Climatology	3
GES 632	Geography of Livable Cities	3
GES 650	Applied Physical Geography	3
GES 651	Seminar in Regional Geography	3
GES 657	Advanced Cartography	3
GES 659	Advanced Remote Sensing-Imaging	3

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the B.A. and M.A. degree in Geography remain the same.

Environmental Studies Undergraduate Minor

Program Requirements

- Minimum of 21 credit hours

Code	Title	Credit Hours
Required		6
GES 164	Introduction to Environment	
GES 162	Introduction to Sustainability	
<i>Select a minimum of 15 credits from the Related Areas Elective list</i>		15

Related Area Electives

- Must be outside of the student's major department.
- No more than 8 credits may come from any one department.
- At least two courses must be at or above the 300-level, one of which must be in the Natural Sciences area.
- May also include GES 360, GES 362, GES 364, GES 370, and/or GES 376 by approval of the Director of the Environment and Sustainability Program.

Natural Sciences

Code	Title	Credit Hours
<i>Select 6 credits of the following:</i>		6
BIO 315	Ecology and Evolution Laboratory	
BIO 361	Biology and Conservation of Sea Turtles	
BIO 420	Marine Biology	
BIO 422	Plant Diversity	
BIO 431	The Biosphere	
BIO 441 & 441L	Invertebrate Zoology and Invertebrate Zoology Laboratory	
BIO 470 & 470L	Vertebrate Zoology and Vertebrate Zoology Laboratory	
BIO 488	Essentials of Toxicology	
BIO 421	Ecosystem Ecology and Biogeochemistry	
BIO 427 & BIO 423	Landscape Ecology and Landscape Ecology Laboratory	
BIO 426	Conservation Biology	
BIO 429 & BIO 432	Aquatic Ecology and Aquatic Ecology Laboratory	
BIO 444	Entomology	
BIO 451	Vascular Plant Systematics	
BIO 460	Symbiosis	
BIO 480	Environmental Physiology	
CHE 205	Introductory Organic Chemistry	
CHE 331	Quantitative Analysis	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
GES 205	Environmental Change: Its Nature and Impact	
GES 305	Environmental Hazards Assessment	
GES 319 & 319L	Weather and Climate and Climatology Laboratory	
GES 313	Natural Resource Regions of North America	
GES 314	Physical Geography: Landscape Processes	
GES 330	Elements of Hydrology	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
GES 419	Advanced Weather and Climate-Synoptic Climatology	
PHY 205	Conceptual Physics	
GES 388	Topics in Natural Sciences	
<i>Qualified:</i>		
CHE 252	Chemistry and the Human Environment *	

* This course also qualifies in addition to the standard options above it.

Equity and Society

Code	Title	Credit Hours
<i>Select 3 credits of the following:</i>		3
ATY 213	Introduction to Cultural Anthropology	
ATY 253 & 253L	Introduction to Biological Anthropology and Introduction to Biological Anthropology Laboratory	
ATY 362	Methods in Cultural Anthropology	
ATY 450	Environmental Anthropology	
ATY 465	Medical Anthropology	
ATY 420	Economic Anthropology	
ATY 426	Food and Culture in a Global Context	
GES 302	Urban Geography: Land Use	
GES 303	World Population Problems	
GES 304	Introduction to Transportation Analysis	
GES 322	Research Methods in Geography	
GES 331	Sustainable Tourism and Transportation	
HIS 323	American Indians and Nature	
HIS 334	United States Environmental History	
HEA 307	Global Health	
HEA 315	Epidemiology	
HEA 316	Environmental Health	
PCS 406	Environmental Justice: Interdisciplinary Response for Sustainability	
PSC 210	Introduction to Public Policy	
PSC 312	Environmental Law and Policy	
PSC 313	Natural Resources Law and Policy	
SOC 202	Social Problems in Global Context	
SOC 346	Population Problems	
SOC 370	Environmental Sociology	
SOC 373	Green Criminology	
SOC 377	Disaster, Self, and Society	
GES 386	Topics in Equity and Society	
<i>Qualified</i>		
HIS 209	Topics in Modern World History *	

* This course applies only when the topic is World Environmental History.

Economics and Development

Code	Title	Credit Hours
<i>Select 3 credits of the following:</i>		3
BUS 130	Entrepreneurship in a Sustainable Global Environment	
BUS 340	Social Entrepreneurship	
ECO 100	Economics of a Global Sustainable Society	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 300	The International Economy	
GES 384	Topics in Economics and Development	
STH 200	Introduction to Sustainable Development	
STH 201	Corporate Social Responsibility and Change Management	

STH 311	Sustainable Food and Beverage
STH 312	Greening Hotel Facilities
STH 331	Sustainable Tourism and Transportation
STH 332	Sustainable Destination Planning and Management

Aesthetics and Ethics

Code	Title	Credit Hours
<i>Select 3 credits of the following:</i>		3
WGS 374	Ecofeminism	
CST 420	Environmental Communication	
ENG 327	Writing for Professionals and Entrepreneurs	
ENG 380	Literature and the Environment	
GES 382	Topics in Aesthetics and Ethics	
IAR 124	Introduction to Sustainable Design	
IAR 221	History and Theory of Design I	
IAR 222	History and Theory of Design II	
LLC 130	Global Green: Cultures of Production and/or Consumption	
MUS 326	Music and Environment	
PHI 322	Philosophy of the Arts	
PHI 338	Ethics and International Affairs	
PHI 361	Ethical Issues in Business	
REL 250	Religious Traditions and Care of the Earth	
<i>Qualified</i>		
PHI 363	Environmental Ethics *	

* This course also qualifies in addition to the standard options above.

Geography Undergraduate Minor

Any six courses (18 credit hours) constitute a minor, but the suggested course sequences in the Requirements tab will be of interest to certain students pursuing specific majors and with certain career objectives such as planning, environmental conservation, or business.

Program Requirements

- Minimum of 18 credit hours

General Geography Minor

Code	Title	Credit Hours
Select one physical course		
Select one human course		
Select one regional course		
Select one techniques course		
Select any two other geography courses		

Minor Emphasizing Urban Planning

Code	Title	Credit Hours
<i>Select six of the following:</i>		18
GES 105	Introduction to Human Geography	
GES 301	Urban Geography: Global Patterns	

GES 302	Urban Geography: Land Use
GES 303	World Population Problems
GES 304	Introduction to Transportation Analysis
GES 306	World Economic Geography
GES 344	Geography of the United States and Canada
GES 402	Entrepreneurial Urban Planning
GES 432	Geography of Livable Cities
GES 433	Regional Economic Development

Minor Emphasizing Environmental Studies

Code	Title	Credit Hours
<i>Select six of the following:</i>		<i>18</i>
GES 105	Introduction to Human Geography	
GES 121	Introduction to Geographic Information Science	
GES 205	Environmental Change: Its Nature and Impact	
GES 303	World Population Problems	
GES 305	Environmental Hazards Assessment	
GES 312	Geomorphology of North America	
GES 314	Physical Geography: Landscape Processes	
GES 319	Weather and Climate	
GES 330	Elements of Hydrology	
GES 357	Principles of Cartography	
GES 359	Remote Sensing of Environment	
GES 418	Biogeography	
GES 419	Advanced Weather and Climate-Synoptic Climatology	
GES 457	Advanced Cartography	
GES 450	Applied Physical Geography	
<i>Qualified</i>		

Select one option of the following: *

Option A:

GES 103 Introduction to Earth Science

Option B:

GES 106 Geosystems Science

* Either of options A or B may also be chosen, but not both.

Minor Emphasizing Geographic Information Science and Techniques

Provides the student opportunity to acquire geographic research, writing, and cartographic techniques.

Code	Title	Credit Hours
<i>Select six of the following:</i>		<i>18</i>
GES 105	Introduction to Human Geography	
GES 121	Introduction to Geographic Information Science	
GES 322	Research Methods in Geography	
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
GES 432	Geography of Livable Cities	
GES 433	Regional Economic Development	

GES 457	Advanced Cartography
GES 459	Advanced Remote Sensing-Imaging

Geography Minor for Majors in the School of Business and Economics

Provides the student opportunity to acquire knowledge of industrial location, international trade, demographic change and environmental impact.

Code	Title	Credit Hours
<i>Select six of the following:</i>		<i>18</i>
GES 102	The Historical Geography of the Western World	
GES 104	World Regional Geography	
GES 105	Introduction to Human Geography	
GES 121	Introduction to Geographic Information Science	
GES 301	Urban Geography: Global Patterns	
GES 302	Urban Geography: Land Use	
GES 303	World Population Problems	
GES 306	World Economic Geography	
GES 344	Geography of the United States and Canada	
GES 491	Current Topics in Regional Geography	
GES 432	Geography of Livable Cities	
GES 433	Regional Economic Development	
<i>Qualified</i>		

Select one option of the following: *

Option A:

GES 103 Introduction to Earth Science

Option B:

GES 106 Geosystems Science

* Either of options A or B below may also be chosen, but not both.

Sustainability Studies Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		6
GES 164	Introduction to Environment	
GES 162	Introduction to Sustainability	
<i>Select 12 credits from the Related Area Elective list</i>		

Related Area Electives

- Must be outside of the student's major department.
- No more than 8 credits from any one department.
- At least two courses must be at or above the 300 level, one of which must be in the Natural Sciences area.
- Must include at least one of the sustainability-focused courses listed below: BIO 426, ECO 100, IAR 124, GES 331, LLC 130, STH 311, STH 332, PCS 406.

- May also include GES 360, GES 362, GES 364, and/or GES 370, by approval of the Director of the Environment & Sustainability Program

Natural Sciences

Code	Title	Credit Hours
<i>Select 3 credits of the following:</i>		
BIO 301	Principles of Ecology	
BIO 315	Ecology and Evolution Laboratory	
BIO 361	Biology and Conservation of Sea Turtles	
BIO 420	Marine Biology	
BIO 421	Ecosystem Ecology and Biogeochemistry	
BIO 422	Plant Diversity	
BIO 426	Conservation Biology	
BIO 427 & BIO 423	Landscape Ecology and Landscape Ecology Laboratory	
BIO 429 & BIO 432	Aquatic Ecology and Aquatic Ecology Laboratory	
BIO 431	The Biosphere	
BIO 441	Invertebrate Zoology	
BIO 444	Entomology	
BIO 451	Vascular Plant Systematics	
BIO 460	Symbiosis	
BIO 470	Vertebrate Zoology	
BIO 480	Environmental Physiology	
BIO 488	Essentials of Toxicology	
CHE 205	Introductory Organic Chemistry	
CHE 331	Quantitative Analysis	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
GES 388	Topics in Natural Sciences	
GES 205	Environmental Change: Its Nature and Impact	
GES 305	Environmental Hazards Assessment	
GES 319 & 319L	Weather and Climate and Climatology Laboratory	
GES 313	Natural Resource Regions of North America	
GES 314	Physical Geography: Landscape Processes	
GES 330	Elements of Hydrology	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
GES 419	Advanced Weather and Climate-Synoptic Climatology	
PHY 205	Conceptual Physics	
CHE 252	Chemistry and the Human Environment	

Equity and Society

Code	Title	Credit Hours
<i>Select 3 credits of the following:</i>		
ATY 213	Introduction to Cultural Anthropology	
ATY 253 & 253L	Introduction to Biological Anthropology and Introduction to Biological Anthropology Laboratory	
ATY 362	Methods in Cultural Anthropology	

ATY 420	Economic Anthropology
ATY 426	Food and Culture in a Global Context
ATY 450	Environmental Anthropology
ATY 465	Medical Anthropology
GES 386	Topics in Equity and Society
GES 302	Urban Geography: Land Use
GES 303	World Population Problems
GES 304	Introduction to Transportation Analysis
GES 322	Research Methods in Geography
GES 331	Sustainable Tourism and Transportation
HIS 323	American Indians and Nature
HIS 334	United States Environmental History
HEA 307	Global Health
HEA 315	Epidemiology
HEA 316	Environmental Health
PCS 406	Environmental Justice: Interdisciplinary Response for Sustainability
PSC 210	Introduction to Public Policy
PSC 312	Environmental Law and Policy
PSC 313	Natural Resources Law and Policy
SOC 202	Social Problems in Global Context
SOC 346	Population Problems
SOC 370	Environmental Sociology
SOC 373	Green Criminology
SOC 377	Disaster, Self, and Society
HIS 209	Topics in Modern World History *

* This course applies only when the topic is World Environmental History.

Economics and Development

Code	Title	Credit Hours
<i>Select 3 credits of the following:</i>		
BUS 130	Entrepreneurship in a Sustainable Global Environment	
BUS 340	Social Entrepreneurship	
ECO 100	Economics of a Global Sustainable Society	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 300	The International Economy	
GES 384	Topics in Economics and Development	
STH 200	Introduction to Sustainable Development	
STH 201	Corporate Social Responsibility and Change Management	
STH 311	Sustainable Food and Beverage	
STH 312	Greening Hotel Facilities	
STH 331	Sustainable Tourism and Transportation	
STH 332	Sustainable Destination Planning and Management	

Aesthetics and Ethics

Code	Title	Credit Hours
Select 3 credits of the following:		
WGS 374	Ecofeminism	
CST 420	Environmental Communication	
ENG 327	Writing for Professionals and Entrepreneurs	
ENG 380	Literature and the Environment	
GES 382	Topics in Aesthetics and Ethics	
IAR 124	Introduction to Sustainable Design	
IAR 221	History and Theory of Design I	
IAR 222	History and Theory of Design II	
LLC 130	Global Green: Cultures of Production and/or Consumption	
MUS 326	Music and Environment	
PHI 322	Philosophy of the Arts	
PHI 338	Ethics and International Affairs	
PHI 361	Ethical Issues in Business	
REL 250	Religious Traditions and Care of the Earth	
PHI 363	Environmental Ethics	

Geography Second Academic Concentration

The second academic concentration in Geography is designed specifically for Elementary Education Majors.

Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Core Courses		12
Select one of the following:		
GES 121	Introduction to Geographic Information Science	
GES 322	Research Methods in Geography	
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
Select one of the following:		
GES 103	Introduction to Earth Science	
GES 106 & GES 103L	Geosystems Science and Earth Science Laboratory	
Select one of the following:		
GES 105	Introduction to Human Geography	
GES 301	Urban Geography: Global Patterns	
GES 302	Urban Geography: Land Use	
GES 303	World Population Problems	
GES 306	World Economic Geography	
GES 315	The Geography of World Affairs	
Select one of the following:		
GES 102	The Historical Geography of the Western World	
GES 104	World Regional Geography	
GES 313	Natural Resource Regions of North America	

GES 344	Geography of the United States and Canada	
Additional Courses		6
Select any two additional GES courses at the 300 level or higher		

Applied Geography, M.A.

The M.A. in Applied Geography offers three options: a thesis or internship option requiring a minimum of 34 credit hours, including a maximum of 6 credits dedicated to thesis or internship work, or a portfolio option requiring a minimum of 37 credits plus completion of a significant project. The two non-thesis options result in a terminal degree.

The program leads to the acquisition of research skills and expertise appropriate to geographic analysis in a range of related fields including: Business site selection, environmental assessment, geographic techniques such as cartography, geographic information systems and remote sensing, transportation planning, as well as urban and regional development. Emphasis is placed in application of theoretical constructs in geography to solve real world problems at a variety of scales from the Triad and state to national and global issues.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a 250-500 word Personal Statement concerning your interest in geography.

Degree Program Requirements

Required: 34-37 credit hours

Thesis Option

Required: 34 credit hours

Code	Title	Credit Hours
Required Core Courses (4 credits)		
GES 601	Research Trends in Geography	1
GES 620	Spatial Analysis	3
Electives (24-33 credits)		
Select 24-33 credits *		24-33
Research Courses (3-6 credits) **		
GES 699	Thesis	3-6
Total Credit Hours		31-43

NOTE: All students must complete 34 credit hours for the Thesis Option, M.A. in Applied Geography. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

Internship Research Option

Required: 34 credit hours

Code	Title	Credit Hours
Required Core Courses (4 credits)		
GES 601	Research Trends in Geography	1
GES 620	Spatial Analysis	3
Electives (24-33 credits)		

Select 24-33 credits *	24-33
Research Courses (3-6 credits) **	
GES 695 Internship	3-6
Total Credit Hours	31-43

NOTE: All students must complete 34 credit hours for the Internship Research Option, M.A. in Applied Geography. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

Non-Thesis/Professional Portfolio Option

Required: 37 credit hours

Code	Title	Credit Hours
Required Core Courses (4 credits)		
GES 601	Research Trends in Geography	1
GES 620	Spatial Analysis	3
Electives (24-33 credits)		
Select 24-33 credits *		24-33
Research Courses (3-6 credits) **		
GES 695 Internship		3-6
or GES 699 Thesis		
Total Credit Hours		31-43

NOTE: All students must complete 37 credit hours for the Non-Thesis/Professional Option, M.A. in Applied Geography. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

* The student, in consultation with the advisor, will determine the appropriate courses to be taken in that individual's program, including any cognate courses.

** Research courses and comprehensive examination comprise Capstone Experience.

Formal Review and Examinations

- Approval of master's plan of study.
- Comprehensive examination (taken after the completion of 24 credits of coursework; administered at midterm of the fall and spring terms).*
- Approval of thesis or internship proposal.
- Final thesis defense, internship presentation of completion of portfolio.
- Details concerning specific core requirements, the comprehensive examination, admission to candidacy, plans of study, theses, internships, and competency portfolios can be obtained from the Director of Graduate Study.

* Research courses and comprehensive examination comprise Capstone Experience.

Geosciences Education for Teachers Concentration

Required: 38 credit hours

The Geosciences Education for Teachers concentration is directed towards students and educators interested in expanding their expertise in teaching geosciences. Completing the Master of Arts in Applied Geography with this concentration requires students to combine the core requirements of the M.A. degree with courses emphasizing the

knowledge and skills needed to teach geosciences at the middle grades, secondary grades, and community college levels. The required core courses, formal reviews and examinations are the same as for the Master of Arts degree in Applied Geography, non-thesis, coursework option-with a competency portfolio. Within this framework, students will complete 38 credit hours by taking the required courses specified below. Note that GES 650 Applied Physical Geography and GES 651 Seminar in Regional Geography will be field course experiences for the GET concentration and students will present their portfolios as part of GES 650 and GES 651. (Students' competency portfolios will be comprised of self-selected geosciences instructional modules designed while students were enrolled in GES 607 Earth Science for Educators, GES 608 Weather and Climate for Educators, GES 609 Hydrology for Educators, GES 610 Physical Geology for Educators, and GES 611 Natural Hazards and Society for Educators.

Code	Title	Credit Hours
Required Core Courses (38 credits)		
GES 601	Research Trends in Geography	1
GES 607	Earth Science for Educators	5
GES 608	Weather and Climate for Educators	5
GES 609	Hydrology for Educators	5
GES 610	Physical Geology for Educators	5
GES 611	Natural Hazards and Society for Educators	5
GES 620	Spatial Analysis	3
GES 650	Applied Physical Geography	3
GES 651	Seminar in Regional Geography	3
AST 609 (COURSE INACTIVE)		3
Total Credit Hours		38

Sustainability Concentration

Required: 34 credit hours

The Sustainability Concentration in the M.A. in Applied Geography is directed towards students who have an interest in connecting approaches to addressing coupled human environmental problems in the context of broader studies in geography. Students completing this concentration will combine the core requirements of the M.A. in Applied Geography with departmental courses emphasizing interdisciplinary approaches to social and environmental challenges alongside classes from outside the department (chosen in consultation with the advisor). The concentration provides foundational and advanced knowledge and skills necessary for sustainability-related careers in a variety of sectors. The core seminar in Sustainability (GES 662), offers a translational experience around the unique definition of sustainability at UNCG, where academics, operations, and outreach are conducted with careful attention to the enduring interconnectedness of social equity, the environment, the economy, and aesthetics.

Code	Title	Credit Hours
Required Courses (10 credits)		
GES 601	Research Trends in Geography	1
GES 620	Spatial Analysis	3
GES 699	Thesis	6
Sustainability Concentration Core (3 credits)		
GES 662	Sustainability	3

Sustainability-Focused Electives (12 credits)

Select 12 credits from the following:		12
GES 602	Entrepreneurial Urban Planning	
GES 603	Understanding Geographic Information Systems	
GES 605	Regional Planning	
GES 606	Environmental Planning	
GES 612	Natural Resource Geography	
GES 615	National Parks and Protected Areas	
GES 618	Biogeography	
GES 619	Advanced Weather and Climate-Synoptic Climatology	
GES 631	Transportation Planning	
GES 632	Geography of Livable Cities	
GES 641	Earth Surface Processes and Landforms	
GES 664	Seminar in Environmental Studies	

Sustainability Electives (9 credits)

Select 9 credits from the following: *		9
GES 660	Sustainable Campus Operations	
GES 682	Topics in Aesthetics and Ethics	
GES 684	Topics in Economics and Development	
GES 686	Topics in Equity and Society	
GES 688	Topics in Natural Sciences	

Total Credit Hours 34

* Up to 9 credits of courses from outside the Department of Geography, Environment, and Sustainability may be chosen in consultation with the adviser (these could include courses from Anthropology, Biology, Communication Studies, Community and Therapeutic Recreation, Economics, Education, Interior Architecture, Business, Sociology, or others).

Urban Planning and Economic Development Concentration

Required: 15 credit hours (for the concentration)

The Urban Planning and Economic Development concentration is directed towards students who have an interest in preserving and enhancing the quality-of-life of urban areas and dealing effectively with growth and development issues. Students completing this concentration will combine the core requirements of the master's degree in applied geography with courses emphasizing the knowledge and skills required to provide effective leadership in urban and economic development for metropolitan areas. The required core courses, electives, research courses, collateral expertise, and formal reviews and examinations are the same as for the M.A. degree in applied geography. Within this framework, the following 15 credits must be completed.

Code	Title	Credit Hours
Required Core Courses (12 credits)		
GES 602	Entrepreneurial Urban Planning	3
GES 605	Regional Planning	3
GES 631	Transportation Planning	3
GES 632	Geography of Livable Cities	3
Elective Courses (3 credits)		
Select one of the following:		3

GES 622	GIS Applications in Urban Planning	
GES 633	Regional Economic Development	
PSC 620	Urban and Regional Development Policy	
PSC 630	Community and Economic Development Theory and Practice	
Total Credit Hours		15

Accelerated B.A. to M.A. in Applied Geography

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. in Geography may apply for admission to the Accelerated Degree Program (Applying for Admission). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants will not be required to take the GRE. All applicants must submit the Request for Accelerated Degree Program to The Graduate School and must simultaneously apply for admission to the graduate degree program.

Admitted students may apply a maximum of 12 credits of graduate-level course work (each course carries 3 credits) from the following course list toward completion of both the undergraduate and graduate degree, provided they earn a grade of "B" (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
GES 602	Entrepreneurial Urban Planning	3
GES 604	Political Geography	3
GES 618	Biogeography	3
GES 619	Advanced Weather and Climate-Synoptic Climatology	3
GES 632	Geography of Livable Cities	3
GES 650	Applied Physical Geography	3
GES 651	Seminar in Regional Geography	3
GES 657	Advanced Cartography	3
GES 659	Advanced Remote Sensing-Imaging	3

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the B.A. and M.A. degree in Geography remain the same.

Geography, Ph.D.

The Ph.D. in Geography is an innovative program centered on the research-oriented application of geographical concepts and theories to the solving of real-world problems. The program requires 48-54 credit hours.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a 250-500 word Personal Statement.

Degree Program Requirements

Required: 48-54 credit hours

At least 27 of the 33 credit hours in required core and cluster courses (excluding dissertation) must be at the 600 level or higher. Up to nine credits of course work may be transferred from another institution on approval of the department.

Code	Title	Credit Hours
Required Core Courses (9 credits)		
GES 701	History of Geographic Thought	3
GES 702	Research Design	3
GES 720	Advanced Spatial Analysis	3
Courses Required from Geography Clusters (24 credits)		
Select 24 credits from courses in the three geography clusters within the doctoral program		24
Dissertation (15-21 credits)		
GES 799	Doctoral Dissertation Research	15-21
Total Credit Hours		48-54

Courses Required from Geography Clusters

These three clusters are: Geographic Information Sciences (GIS), Human Geography, and Physical Geography. Students are required to complete two courses in each of the three clusters and an additional two courses related to the dissertation research cluster.

Formal Reviews and Examinations

- Diagnostic exam.
- Approval of doctoral plan of study.
- Comprehensive preliminary examination (taken after the completion of 33 credits of course work).
- Dissertation proposal approval.
- Public dissertation defense.

Global and Regional Studies Geography, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Global and Regional Studies Geography emphasizes knowledge and skills needed to prepare students to work in positions in government, international business, and global non-profit organizations. Courses focus on the contemporary political economy of countries in various global regions from East Asia to Europe.

The program requires 18 credit hours of coursework (15 credits of core courses and 3 credits of approved electives).

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 18 credit hours

Please consult the department for any prerequisite courses that may be required.

Code	Title	Credit Hours
Required Core Courses (15 credits)		
GES 604	Political Geography	3
GES 605	Regional Planning	3
GES 633	Regional Economic Development	3
GES 634	Advanced Topics in European Geography	3
GES 635	Geography of Asia	3
Electives (3 credits)		
Select one of the following:		3
GES 651	Seminar in Regional Geography	
HIS 575	Modern Russian History: Selected Topics	
Total Credit Hours		18

Sustainability, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Sustainability provides foundational and advanced knowledge and skills necessary for transitioning to sustainability-related careers in a variety of sectors from sciences to the arts, from business to education, and from governmental to non-governmental organizations. The curriculum includes the student's choice of a selection of sustainability-focused classes in the Department of Geography, Environment, and Sustainability; in addition, the student chooses, in consultation with the advisor, a sustainability-relevant class from another department at UNC Greensboro. The core Seminar in Sustainability (GES 662 Sustainability) offers a translational experience around the unique definition of sustainability at UNC Greensboro, where academics, operations, and outreach arc conducted with careful attention to the enduring interconnectedness of social equity, the environment, the economy, and aesthetics.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Undergraduate degree in any field.

Certificate Program Requirements

Required: 18 credit hours

Code	Title	Credit Hours
Required Core Course (3 credits)		
GES 662	Sustainability	3
Sustainability-Focused Electives (9 credits)		
Select 9 credits from the following:		9
GES 602	Entrepreneurial Urban Planning	
GES 603	Understanding Geographic Information Systems	
GES 605	Regional Planning	
GES 606	Environmental Planning	
GES 612	Natural Resource Geography	
GES 615	National Parks and Protected Areas	
GES 618	Biogeography	
GES 619	Advanced Weather and Climate-Synoptic Climatology	
GES 631	Transportation Planning	

GES 632	Geography of Livable Cities	
GES 641	Earth Surface Processes and Landforms	
GES 664	Seminar in Environmental Studies	
Sustainability Electives (6 credits)		
Select 6 credits from the following: *		6
GES 660	Sustainable Campus Operations	
GES 682	Topics in Aesthetics and Ethics	
GES 684	Topics in Economics and Development	
GES 686	Topics in Equity and Society	
GES 688	Topics in Natural Sciences	
Total Credit Hours		18

* Up to 6 credits of courses from outside the Department of Geography, Environment, and Sustainability may be chosen in consultation with the adviser (these could include courses from Anthropology, Biology, Communication Studies, Community and Therapeutic Recreation, Economics, Education, Interior Architecture, Business, Sociology, or others).

History

College of Arts and Sciences

2129 Moore Humanities and Research Administration
336-334-5992
[http://h \(http://www.uncg.edu/his\)is.uncg.edu](http://h (http://www.uncg.edu/his)is.uncg.edu)

Greg O'Brien, Head of Department

Mark Elliott, Associate Head

Richard Barton, Director of Graduate Study

Anne Parsons, Director of Public History

Jeff Jones, Director of Undergraduate Studies

The Department of History offers a program which has four principal objectives:

1. to provide a general knowledge of the history of the United States, Europe, and the wider world (as we have defined our fields of concentration);
2. to teach students to think and read critically and thereby to develop the ability to analyze historical documents and to appreciate the nature of historical interpretations;
3. to improve students' ability to communicate both orally and in writing; and,
4. to foster the ability to conduct historical research.

The Department offers a broad spectrum of courses in U.S., European, and wider world history; in the ancient, medieval, and modern periods; in social, cultural, political, economic, intellectual, military, and diplomatic history; the history of science; and in a variety of special topics including gender, sexuality, witchcraft, and terrorism.

The History Major prepares students for career opportunities in a wide range of employment, where liberally educated minds can be turned to fruitful account. It offers an excellent general background for later, more specialized studies in fields such as law and journalism. A number of history majors go on to work in public service at the local, state, and federal levels or find employment in those areas of the private sector where a premium is put on a sound general education. Finally, many history majors employ their skills more directly: in the teaching profession

(from the primary through graduate school levels), in museums and archives, or in the expanding field of historical preservation work.

The department offers programs leading to the Bachelor of Arts degree in history, a M.A. in History, a M.A. in History with a Museum Studies concentration, and a Ph.D. in history. The Public History Program (Museum Studies) works in partnership with the Department of Interior Architecture, cross-listing many core classes. Classes in each of our programs are generally small and, through an intensive mentoring program, faculty-student interaction has become a hallmark of graduate study in the department.

Although the department does not formally restrict admission to its courses with regard to level, it recommends its 300-level courses to sophomores and above and its 400-level courses to juniors and seniors.

Professor

Jodi E. Bilinkoff^G
Charles C. Bolton^G
Colleen Kriger^G
Stephen Q. Ruzicka^G

Associate Professor

James Adams Anderson^G
Richard E Barton^G
Jill C Bender^G
Alexander A Eger^G
Mark E. Elliott^G
Thomas F. Jackson^G
Watson W. Jennison^G
Jeff W. Jones^G
Lisa Levenstein^G
Greg O'Brien^G
Anne Elizabeth Parsons^G
Linda M. Rupert^G
Lisa Carol Tolbert^G

Assistant Professor

Torren Leon Gatson^G
Warren Eugene Milteer^G

Visiting Assistant Professor

Maikel Farinas Borrego
David M Wight^G

Senior Lecturer

Mark A. Moser

Lecturer

Mandy Lee Cooper
Peter N Gengler
Ryan Thomas Goodman
Arlen Meredith Hanson
Matt David Hintz
Sarah E McCartney
Ian M Michie
Brian William Suttell
Susan Thomas^G

^G Graduate-level faculty

- History, B.A. (p. 311)
- History, Secondary Education, B.A. (p. 313)
- History Undergraduate Minor (p. 315)

- History Second Academic Concentration (p. 315)
- History, M.A. (p. 316)
- History, Ph.D. (p. 317)

History Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- A grade of at least B in all course work used to satisfy the Honors in History requirement
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Contract Honors Course		6
	300-level Contract Course	
	400-level Contract Course	
Senior Honors Project		6
<i>To be planned in one of the following courses: *</i>		
HIS 491	Honors Work: American History	
HIS 492	Honors Work: European History	
HIS 493	Honors Work: Wider World History	
HSS 490	Senior Honors Project	

* Taken before the Senior Honors Project.

Recognition

Receive a Certificate of Disciplinary Honors in History; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

See Lisa Tolbert at ltolber@uncg.edu for further information and guidance about Honors in History. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

History, B.A.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum 30 credits above the 100 level. The department divides its undergraduate offerings into three fields: Western Europe, United States, and the Wider World. The minimum of 30 credits must include courses as provided below.
- History majors must maintain a cumulative grade point average of at least 2.0 in history courses to qualify for a degree in History.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

College of Arts and Sciences Additional Requirements (LEC)
(p. 249)

Major Requirements

Code	Title	Credit Hours
200-Level Courses		9
Select 3 credits from Field I: Western Europe at the 200 level *		
Select 3 credits from Field II: United States at the 200 level *		
Select 3 credits from Field III: Wider World at the 200 level *		
Intermediate/Advanced Requirements		6
HIS 391	Historical Skills and Methods	
HIS 411A	Seminar in Historical Research and Writing	
	or HIS 411B Seminar in Historical Research and Writing	
	or HIS 411C Seminar in Historical Research and Writing	
300-Level Courses		9
Select an additional 9 credits the 300 level *		
400-Level Courses		6
Select and additional 6 credits at the advanced level (400) *		
To ensure that each major has breadth in his or her program, of the 30 credit hour minimum, a student must take at least 6 credits from each of the three fields (Western Europe, United States, Wider World). In addition, at least 3 credits of the 6 credits from each of the three fields must be at the intermediate (300) or advanced (400) level. *		

* Selection must be made according to the Courses by Field table below.

*Courses by Field

To ensure that each major has breadth in his or her program, of the 30 credit hour minimum, a student must take at least 6 credits from each of the three fields (Western Europe, United States, Wider World). In addition, at least 3 credits of the 6 credits from each of the three fields must be at the intermediate (300) or advanced (400) level.

Field I: Western Europe

Code	Title	Credit Hours
HIS 206	Topics in Premodern Western History	
HIS 208	Topics on the West and the Modern World	
HIS 220	The Ancient World	
HIS 221	Medieval Legacy	
HIS 222	Europe 1400-1789	
HIS 223	European Revolutions, 1789-1989	
HIS 309	Unity and Unrest in Medieval Towns	
HIS 310	Daughters of Eve: Women in the Middle Ages	
HIS 312	The Crusades	
HIS 314	The Modern British Empire, 1750-Present	
HIS 315	Witchcraft and Magic in European History	
HIS 348	The World at War, 1914-1918	
HIS 349	The World at War, 1939-1945	
HIS 351	History of Greece, 2000 BC-31 BC	
HIS 354	The Roman Republic, 754 BC-44 BC	
HIS 355	The Roman Empire, 44 BC-AD 337	
HIS 369	History of Spain	

HIS 373	English History to 1660
HIS 374	British History 1688-Present
HIS 376	German History, 1914-1945
HIS 392	The Holocaust: History and Meaning
HIS 411B	Seminar in Historical Research and Writing
HIS 441	Ancient World: Selected Topics
HIS 442	Middle Ages: Selected Topics
HIS 444	Early Modern Europe: Selected Topics
HIS 460	Nineteenth-Century Europe: Selected Topics
HIS 462	Twentieth-Century Europe: Selected Topics
HIS 463	Early Modern England: Selected Topics
HIS 464	Modern Britain: Selected Topics
HIS 467	French History: Selected Topics
HIS 471	Modern European Thought: Selected Topics
HIS 474	Modern Germany: Selected Topics
HIS 492	Honors Work: European History
HSS 490	Senior Honors Project

Field II: United States

Code	Title	Credit Hours
HIS 211	The United States: A General Survey to 1865	
HIS 212	The United States: A General Survey Since 1865	
HIS 213	Topics in American History	
HIS 301	Race and Slavery	
HIS 302	Race and Segregation	
HIS 316	Interpreting American History	
HIS 317	Creating a Public Past: History beyond the University	
HIS 326	Using Photographs as Historical Evidence	
HIS 328	U.S. Women's History to 1865	
HIS 329	U.S. Women's History Since 1865	
HIS 332	Civil Rights and Black Freedom, 1940-1980	
HIS 334	United States Environmental History	
HIS 335	America Before the Revolution	
HIS 336	The American Revolutionary Era, 1763-1789	
HIS 337	Emerging Nation: US History 1789-1848	
HIS 338	Civil War, Reconstruction, and Reunion, 1848-1896	
HIS 339	From Civil War to Superpower: America 1896-1945	
HIS 340	The United States since World War II	
HIS 342	Gender, Sex, and Health in the 20th Century US	
HIS 344	The New South	
HIS 347	History of North Carolina	
HIS 403	African American History: Selected Topics	
HIS 411A	Seminar in Historical Research and Writing	
HIS 412	Public History	
HIS 415	American Diplomatic History: The Twentieth Century	
HIS 418	American Economic History	
HIS 420	Southern History: Selected Topics	
HIS 422	Early American History: Selected Topics	
HIS 424	Twentieth-Century U.S. History: Selected Topics	
HIS 426	The Civil War and Reconstruction: Selected Topics	

HIS 434	The American Revolution: Selected Topics
HIS 445	Southern History and Southern Material Culture in a Museum Context
HIS 446	American Cultural History: Selected Topics
HIS 449	American Social History: Family and Religion
HIS 451	Gender and History: Selected Topics
HIS 478	Research Methods in Historical Archaeology
HIS 491	Honors Work: American History
HSS 490	Senior Honors Project

Field III: Wider World

Code	Title	Credit Hours
HIS 203	History of Africa to 1870	
HIS 204	History of Africa since 1870	
HIS 207	Topics in Premodern World History	
HIS 209	Topics in Modern World History	
HIS 215	The Civilizations of Asia	
HIS 216	The Civilizations of Asia	
HIS 217	The World in the Twentieth Century	
HIS 218	The World since 1945	
HIS 239	The First America: Latin America, 1492-1830	
HIS 240	(Dis)order and Progress: Latin America since 1810	
HIS 308	Navigating World History	
HIS 319	Sugar, Soccer, Samba: History of Brazil	
HIS 320	History of Mexico and Central America	
HIS 322	American Indian History: 1840 to the Present	
HIS 323	American Indians and Nature	
HIS 333	American Indian History to 1840	
HIS 341	Pirates of the Caribbean: The Real Story	
HIS 356	The Making of the African Diaspora	
HIS 377	Russian History to 1900	
HIS 378	Russian History since 1900	
HIS 380	Topics in the Near and Middle East	
HIS 381	The Near and Middle East since World War I	
HIS 389	West Africa during the Atlantic Slave Trade	
HIS 408	Latin America and Caribbean: Selected Topics	
HIS 411C	Seminar in Historical Research and Writing	
HIS 414	Topics in World History	
HIS 475	Modern Russian History: Selected Topics	
HIS 481	African History: Selected Topics	
HIS 487	Southern African History	
HIS 488	East Asian History: Selected Topics	
HIS 493	Honors Work: Wider World History	
HSS 490	Senior Honors Project	

Related Area Requirements

Because history is closely related to many other disciplines, we strongly recommend that history majors consult their advisors about using their liberal education requirements and electives to build a coherent series of related courses. Students interested in the various national histories may wish to pursue language and literature courses in the same area; students interested in social and institutional history may wish to pursue courses in the social sciences such as anthropology, sociology, political

science, and economics; students interested in cultural and intellectual history will profit by work in philosophy, religious studies, and art and music history.

Electives

Electives sufficient to complete the 120 credit hours required for degree.

History, Secondary Education, B.A.

Overall Requirements

- 122 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum 30 credits above the 100 level. The department divides its undergraduate offerings into three fields: Western Europe, United States, and the Wider World. The minimum of 30 credits must include courses as provided below.
- History majors must maintain a cumulative grade point average of at least 2.0 in history courses to qualify for a degree in History.

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	
	College of Arts and Sciences Additional Requirements (LEC) (p. 249)	

Major Requirements

Code	Title	Credit Hours
200-Level Courses		9
Select 3 credits from Field I: Western Europe at the 200 level *		
Select 3 credits from Field II: United States at the 200 level *		
Select 3 credits from Field III: Wider World at the 200 level *		
Required		3
HIS 430	Historical Methods for Social Studies Teachers ¹	
300-Level Courses		9
Select 3 credits from Field I: Western Europe at the 300 level *		
Select 3 credits from Field II: United States at the 300 level *		
Select 3 credits from Field III: Wider World at the 300 level *		
400-Level Courses		9
HIS 411A	Seminar in Historical Research and Writing	
HIS 411B	Seminar in Historical Research and Writing	
HIS 411C	Seminar in Historical Research and Writing	

¹ This course serves as a prerequisite for other courses for history majors completing the concentration in social studies high school teaching licensure. Students who later drop the social studies licensure concentration must take an additional advanced-level course (400) to ensure depth of content knowledge in the major.

Courses by Field

To ensure that each major has breadth in his or her program, of the 30 credit hour minimum, a student must take at least 6 credits from each of the three fields (Western Europe, United States, Wider World). In addition,

at least 3 credits of the 6 credits from each of the three fields must be at the intermediate (300) or advanced (400) level.

Field I: Western Europe

Code	Title	Credit Hours
HIS 206	Topics in Premodern Western History	
HIS 208	Topics on the West and the Modern World	
HIS 220	The Ancient World	
HIS 221	Medieval Legacy	
HIS 222	Europe 1400-1789	
HIS 223	European Revolutions, 1789-1989	
HIS 251		
HIS 309	Unity and Unrest in Medieval Towns	
HIS 310	Daughters of Eve: Women in the Middle Ages	
HIS 311		
HIS 312	The Crusades	
HIS 314	The Modern British Empire, 1750-Present	
HIS 315	Witchcraft and Magic in European History	
HIS 317	Creating a Public Past: History beyond the University	
HIS 348	The World at War, 1914-1918	
HIS 349	The World at War, 1939-1945	
HIS 351	History of Greece, 2000 BC-31 BC	
HIS 353		
HIS 354	The Roman Republic, 754 BC-44 BC	
HIS 355	The Roman Empire, 44 BC-AD 337	
HIS 360		
HIS 363		
HIS 364		
HIS 365		
HIS 368		
HIS 369	History of Spain	
HIS 371		
HIS 373	English History to 1660	
HIS 374	British History 1688-Present	
HIS 375		
HIS 376	German History, 1914-1945	
HIS 392	The Holocaust: History and Meaning	
HIS 393		
HIS 397		
HIS 411B	Seminar in Historical Research and Writing	
HIS 462	Twentieth-Century Europe: Selected Topics	
HIS 463	Early Modern England: Selected Topics	
HIS 464	Modern Britain: Selected Topics	
HIS 471	Modern European Thought: Selected Topics	
HIS 474	Modern Germany: Selected Topics	
HIS 492	Honors Work: European History	
HIS 441	Ancient World: Selected Topics	
HIS 442	Middle Ages: Selected Topics	
HIS 444	Early Modern Europe: Selected Topics	

HIS 460 Nineteenth-Century Europe: Selected Topics

HIS 467 French History: Selected Topics

Field II: United States

Code	Title	Credit Hours
HIS 211	The United States: A General Survey to 1865	
HIS 212	The United States: A General Survey Since 1865	
HIS 301	Race and Slavery	
HIS 302	Race and Segregation	
HIS 316	Interpreting American History	
HIS 317	Creating a Public Past: History beyond the University	
HIS 324		
HIS 325		
HIS 326	Using Photographs as Historical Evidence	
HIS 327		
HIS 328	U.S. Women's History to 1865	
HIS 329	U.S. Women's History Since 1865	
HIS 330		
HIS 332	Civil Rights and Black Freedom, 1940-1980	
HIS 334	United States Environmental History	
HIS 335	America Before the Revolution	
HIS 336	The American Revolutionary Era, 1763-1789	
HIS 337	Emerging Nation: US History 1789-1848	
HIS 338	Civil War, Reconstruction, and Reunion, 1848-1896	
HIS 339	From Civil War to Superpower: America 1896-1945	
HIS 340	The United States since World War II	
HIS 342	Gender, Sex, and Health in the 20th Century US	
HIS 343		
HIS 344	The New South	
HIS 347	History of North Carolina	
HIS 359		
HIS 403	African American History: Selected Topics	
HIS 411A	Seminar in Historical Research and Writing	
HIS 412	Public History	
HIS 415	American Diplomatic History: The Twentieth Century	
HIS 418	American Economic History	
HIS 420	Southern History: Selected Topics	
HIS 422	Early American History: Selected Topics	
HIS 424	Twentieth-Century U.S. History: Selected Topics	
HIS 426	The Civil War and Reconstruction: Selected Topics	
HIS 434	The American Revolution: Selected Topics	
HIS 445	Southern History and Southern Material Culture in a Museum Context	
HIS 446	American Cultural History: Selected Topics	
HIS 449	American Social History: Family and Religion	
HIS 451	Gender and History: Selected Topics	
HIS 478	Research Methods in Historical Archaeology	
HIS 491	Honors Work: American History	

Field III: Wider World

Code	Title	Credit Hours
HIS 203	History of Africa to 1870	
HIS 204	History of Africa since 1870	
HIS 207	Topics in Premodern World History	
HIS 209	Topics in Modern World History	
HIS 215	The Civilizations of Asia	
HIS 216	The Civilizations of Asia	
HIS 217	The World in the Twentieth Century	
HIS 218	The World since 1945	
HIS 239	The First America: Latin America, 1492-1830	
HIS 240	(Dis)order and Progress: Latin America since 1810	
HIS 303		
HIS 304		
HIS 306		
HIS 308	Navigating World History	
HIS 319	Sugar, Soccer, Samba: History of Brazil	
HIS 320	History of Mexico and Central America	
HIS 321		
HIS 322	American Indian History: 1840 to the Present	
HIS 323	American Indians and Nature	
HIS 333	American Indian History to 1840	
HIS 341	Pirates of the Caribbean: The Real Story	
HIS 318		
HIS 377	Russian History to 1900	
HIS 378	Russian History since 1900	
HIS 380	Topics in the Near and Middle East	
HIS 381	The Near and Middle East since World War I	
HIS 383		
HIS 384		
HIS 385		
HIS 386		
HIS 387		
HIS 389	West Africa during the Atlantic Slave Trade	
HIS 399		
HIS 411C	Seminar in Historical Research and Writing	
HIS 481	African History: Selected Topics	
HIS 487	Southern African History	
HIS 488	East Asian History: Selected Topics	
HIS 493	Honors Work: Wider World History	
HIS 408	Latin America and Caribbean: Selected Topics	
HIS 475	Modern Russian History: Selected Topics	

Related Area Requirements

Because history is closely related to many other disciplines, we strongly recommend that history majors consult their advisors about using their liberal education requirements and electives to build a coherent series of related courses. Students interested in the various national histories may wish to pursue language and literature courses in the same area; students interested in social and institutional history may wish to pursue courses in the social sciences such as anthropology, sociology, political science, and economics; students interested in cultural and intellectual

history will profit by work in philosophy, religious studies, and art and music history.

Teacher Licensure Requirements

Additional credits beyond those listed below are required for completion of the degree. See teacher licensure requirements in School of Education Licensure Programs.

Code	Title	Credit Hours
Required		48
ECO 101	Introduction to Economics	
HIS 308	Navigating World History	
HIS 316	Interpreting American History	
HIS 430	Historical Methods for Social Studies Teachers	
HIS 440	Principles and Practices for Teaching History	
<i>Select one additional 300-level history course</i>		
<i>Select an additional 15 credits of social studies electives</i>		
<i>Select five courses from at least three different disciplines from the following: *</i>		
ATY:		
ATY 213	Introduction to Cultural Anthropology	
ATY 258	Introduction to Archaeology	
ATY 330	Cultures of North American Indians	
ATY 333	Latin American Societies and Cultures	
GES:		
GES 104	World Regional Geography	
GES 105	Introduction to Human Geography	
GES 106	Geosystems Science	
GES 106L		
GES 306	World Economic Geography	
GES 315	The Geography of World Affairs	
GES 344	Geography of the United States and Canada	
GES 491	Current Topics in Regional Geography	
GES 451	Seminar in Regional Geography	
May also select any other regional course		
PSC:		
PSC 200	American Politics	
PSC 260	Introduction to Comparative Politics	
PSC 290	The Politics of the Non-Western World	
PSY:		
PSY 121	General Psychology	
PSY 230	Biological Psychology	
PSY 240	Principles of Learning	
PSY 250	Developmental Psychology	
PSY 260	Psychological Perspectives on Social Psychology	
PSY 280	Cognitive Psychology	
PSY 385	IQ and Intelligence	
SOC:		
SOC 101	Introduction to Sociology	
SOC 202	Social Problems in Global Context	
SOC 323	Global Deviance	
SOC 335	Marriage and the Family	

SOC 344	Global Society
SOC 362	Sociological Perspectives on Education
SOC 365	
SOC 420	Family Violence

- * Note that some courses identified below may have prerequisites and many satisfy general education requirements.

Electives

Electives sufficient to complete the 122 credit hours required for degree.

History Undergraduate Minor

The History Minor complements majors in a variety of fields, including English, the languages, and the other social sciences. Requirements are flexible to permit students to select courses with the help of their major departments, which will develop and extend their individual interests as expressed in their majors. A student who has taken 6 credit hours of Western Civilization may count 3 credits toward the History minor.

Program Requirements

- 15 credit hours in History

History Second Academic Concentration

History Second Academic Concentration for Elementary Education K–6 Teacher Licensure, B.S.

Requirements

- 18 credit hours

Code	Title	Credit Hours
Required		18
HIS 211	The United States: A General Survey to 1865	
HIS 212	The United States: A General Survey Since 1865	
<i>Select 12 credits of the following:</i>		
HIS 301	Race and Slavery	
HIS 302	Race and Segregation	
HIS 326	Using Photographs as Historical Evidence	
HIS 328	U.S. Women's History to 1865	
HIS 329	U.S. Women's History Since 1865	
HIS 335	America Before the Revolution	
HIS 336	The American Revolutionary Era, 1763-1789	
HIS 337	Emerging Nation: US History 1789-1848	
HIS 338	Civil War, Reconstruction, and Reunion, 1848-1896	
HIS 339	From Civil War to Superpower: America 1896-1945	
HIS 340	The United States since World War II	
HIS 344	The New South	
HIS 347	History of North Carolina	
HIS 349	The World at War, 1939-1945	

History Second Academic Concentration for Special Education: General Curriculum, B.S.

Requirements

- 18 credit hours

Code	Title	Credit Hours
HIS 211 or HIS 212	The United States: A General Survey to 1865 The United States: A General Survey Since 1865	
HIS 347	History of North Carolina	
<i>Select 12 credits of which two courses are at the 200 level and two courses are at the 300 level</i>		

History, M.A.

The Master of Arts in history requires 30 credit hours. Students must pass a language examination or take an extra three hours of coursework. Upon entering the program, students will develop an individualized plan of study with prior approval from the Director of Graduate Study. They will develop three fields of study based upon the specializations of their three-member faculty committee. Any of our faculty members with graduate faculty status may serve as the main advisor for a M.A. committee. Such a framework allows our students maximum flexibility in pursuing research topics of greatest interest and applicability to their future goals.

The M.A. in history offers excellent preparation for those planning to teach history at community colleges and secondary schools and provides a solid foundation for those who go on to Ph.D. programs or who find employment in government and business. The M.A. improves analytic, research, and writing skills.

The Master of Arts in History with a Concentration in Museum Studies requires 36 credit hours. The program provides graduate-level preparation in the core history program and grounding in the theory and practice of public history. Through mentorship, significant hands-on training, and an internship program, students are prepared to enter the professional world of public history in museums, historic sites, and other venues.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement. A resume is suggested for the museum studies concentration. A writing sample is optional. Qualified applicants must present an approved undergraduate background (though not necessarily a major) in history. At least nine credit hours of advanced undergraduate history is required.

History, M.A. Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Required Courses (12 credits)		
HIS 510	Historiography	3
HIS 709	Introductory Research Seminar	3

HIS 703 & HIS 704 or HIS 699	M.A. Research Project I and M.A. Research Project II Thesis	6
Colloquia (9 credits)		
Select three courses (9 credits) from the following colloquia:		9
HIS 701	Colloquium in American History before 1865	
HIS 702	Colloquium in American History after 1865	
HIS 705	Colloquium in European History before 1789	
HIS 706	Colloquium in European History since 1789	
HIS 710	Colloquium in the Atlantic World	
HIS 716	Graduate Colloquium in World History	
Electives (9 credits)		
Select three courses (9 credits) from remaining graduate-level courses in History, including additional colloquia, chosen in consultation with their faculty committee members and the Directory of Graduate Study *		9
Total Credit Hours		30

* One elective course (3 credits) may be taken at the graduate level in a related department or program, with the approval of the Director of Graduate Study.

Language Requirement

Many areas of historical research require proficiency in a foreign language. Students who intend to concentrate in such areas are encouraged to pass the written language examination, administered by the Department. In lieu of the language examination, students may substitute an extra 3-credit course. Students who intend to pursue a Ph.D., especially in areas other than U.S. history, are strongly encouraged to pass the language examination. Students may retake a failed language exam.

Comprehensive Examination

Students will develop three fields of study based upon the specializations of their three-member faculty committee. If a student selects a faculty member whose specialization is in United States history as main advisor, then at least one of the committee members must be a specialist in a non-U.S. field. If a student selects a faculty member whose specialization is in European history as main advisor, then at least one of the committee members must be a specialist in a non-European field. Similarly, if a student selects a faculty member whose specialization is outside United States or European history, at least one of the committee members must come from either U.S. or European history. Some faculty members may require that students have completed at least one course with them before agreeing to serve on a committee; students should consult with prospective committee members early in their graduate career. A faculty member from another UNC Greensboro department or program who has graduate faculty status can serve on a M.A. committee and create a field of study.

All students must pass a written comprehensive examination in each of their three fields of study. The exams are usually administered twice a year, during fall and spring. Students may retake a failed comprehensive exam once.

Research Seminars Capstone Experience

Students may take HIS 703 M.A. Research Project I/HIS 704 M.A. Research Project II or they have the option of completing a 6-credit thesis (HIS 699 Thesis), with the approval of the main faculty advisor and the

Director of Graduate Study. Students will present the findings of their research at a History Department Graduate Conference.

History, M.A. with Museum Studies Concentration

Degree Program Requirements

Required: 36 credit hours

Code	Title	Credit Hours
Required Core Courses (27 credits)		
HIS 701	Colloquium in American History before 1865	3
HIS 702	Colloquium in American History after 1865	3
HIS 709	Introductory Research Seminar	3
HIS/IAR 626	The Practice of Public History	3
HIS/IAR 627	Museum and Historic Site Interpretation: Principles and Practice	3
HIS 633	Community History Practicum	3
HIS/IAR 690	Internship	3
HIS 720	Public History Capstone I	3
HIS 721	Public History Capstone II	3
Electives (9 credits)		
Select three courses (9 credits) of electives, chosen from graduate-level courses in History		9
Total Credit Hours		36

Electives (9 credits)

By approval of the Directory of Public History, students will complete three courses (9 credits) of electives, chosen from graduate-level courses in History. One elective course (3 credits) may be taken at the graduate level in a related department or program.

Public History Capstone (Capstone Experience)

Students will complete public projects through HIS 720 Public History Capstone I-HIS 721 Public History Capstone II. They will present and reflect on the projects at the History Department's annual Graduate Conference.

Additional Public History Courses

Code	Title	Credit Hours
HIS/IAR 543	Historic Preservation: Principles and Practice	3
HIS/IAR 547	History Museum Curatorship: Collections Management	3
HIS/IAR 548	Architectural Conservation	3
HIS/IAR 555	Field Methods in Preservation Technology	3
HIS/IAR 624	History of American Landscapes and Architecture	3
HIS/IAR 625	Preservation Planning and Law	3
HIS 629	Museum Education	3
HIS 631	Digital History	3
GES 602	Entrepreneurial Urban Planning	3
IAR 536	History of Decorative Arts	3
PSC 511P	Topics in Public Affairs: Program Evaluation	1
PSC 540	Nonprofit Management and Leadership	3
PSC 645	Nonprofit Financial Management and Budgeting	3

History, Ph.D.

The Ph.D. in history prepares students to teach and conduct research in American history and to understand it within an expanded global perspective. Students are required to integrate the major field with a minor field outside of U.S. history. This broader intercontinental perspective enables students to explore themes such as the interaction of political, economic and cultural systems, questions of race and ethnicity, and the transnational dimensions of national experience. This global perspective is encouraged by providing a selection of courses that are cross-national, comparative, and integrative in content and format.

Students are encouraged to enlarge their perspective by understanding and analyzing national history in broader, international contexts. This goal is facilitated in two ways: first, a close integration of the minor into the major area; second, a selection of courses that are cross-national and integrative in format.

In a setting of relatively small classes, individualized research projects, and frequent contact with faculty, students are trained in the arts of scholarly research and writing. No less is the emphasis placed on fostering teaching skills. Through a required teaching seminar, hands-on teaching experience, and careful mentoring, students are prepared for teaching in a college or university environment.

A total of 45-60 credit hours of coursework and dissertation credit, including a minimum of 33-39 credits of course work beyond the M.A. in history and a minimum of 12 credits of dissertation credit, are required to complete the Ph.D. in history. Upon entering the program, all students will develop a Plan of Study with the approval of the Director of Graduate Study.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a writing sample and a personal statement to be considered for admission.

The PhD program admits only a few highly qualified students each year. To enroll in the Ph.D. program, students must first obtain a M.A. in history as well as a B.A. degree in history or a closely-related field.

Degree Program Requirements

Required: 45-60 credit hours

Code	Title	Credit Hours
Required Core Courses (15 credits)		
HIS 701	Colloquium in American History before 1865	3
HIS 702	Colloquium in American History after 1865	3
HIS 714	Varieties of Teaching	3
HIS 750	PhD Readings Course	3
HIS 751	PhD Dissertation Proposal Course	3
Research Hours (0-6 credits)		
Complete up to 6 credits of additional research		0-6
Electives in U.S. Major (9 credits)		
Select 9 credits of elective courses		9
Minor Field (9 credits)		
Select 9 credits		9

Dissertation (12 credits)

HIS 799	Dissertation	12
Total Credit Hours		45-51

Research Hours (0-6 credits)

If the Director of Graduate Study should conclude that an admitted Ph.D. candidate did not perform at least 6 credits of substantive research during the M.A. degree program or earned an M.A. in an area of history other than U.S. history, then the student will be required to complete up to 6 credits of additional research. These additional research credits will ordinarily include HIS 703 M.A. Research Project I and HIS 709 Introductory Research Seminar.

Electives in U.S. Major (9 credits)

In addition to the core requirements, students must complete 9 credits of elective courses in their major. HIS 692 Advanced Topics in History may not be counted for Ph.D. credit. Consult with the Director of Graduate Study for course offerings.

Minor Field (9 credits)

With the approval of the student's advisory/dissertation committee and the Director of Graduate Study, doctoral students will choose and define a minor field outside of U.S. history. The minor field will consist of one required course (HIS 716 Graduate Colloquium in World History), at least one course at the 600-level or above with the minor field faculty member of the dissertation committee, and a third course at the 600-level or above on a topic outside of U.S. history, for a total of nine credits. All course work applied toward the minor must be approved by the Director of Graduate Study and listed on the student's Plan of Study.

Where appropriate, and with the permission of the Doctoral Advisory/Dissertation Committee and Director of Graduate Study, doctoral students may take a maximum of one course (3 credits) at the 600-level or above outside the Department of History as part of their minor field.

Additional Minor in Public History (9 credits)

With the approval of the students' advisory/dissertation committee and the Director of Graduate Study, doctoral students may undertake a second minor field in Public History (in addition to a first minor field in World History). The Public History Minor will consist of two required courses HIS 631 Digital History and HIS 627 Museum and Historic Site Interpretation: Principles and Practice and one elective for a total of nine credits. The elective may be chosen from the following courses (or other public history offering with approval of the Director of Graduate Study):

Code	Title	Credit Hours
HIS 547	History Museum Curatorship: Collections Management	3
HIS 629	Museum Education	3
HIS 690	Internship	3

All course work applied toward the minor must be approved by the Director of Graduate Study and listed on the student's Plan of Study. Course work for the Public History Minor may be carried out simultaneously with HIS 750 PhD Readings Course and HIS 751 PhD Dissertation Proposal Course since this field will not be included as part of Ph.D. comprehensive examinations.

Language Requirement

All students are required to pass a written test demonstrating reading knowledge of one foreign language appropriate to their area of specialization prior to taking the qualifying examination.

Faculty Mentor

A mentor must be named after 9 credits of course work. Normally, the mentor will be the graduate faculty member in the Department whose research and teaching interests most closely correspond to those of the student. Prospective mentors must agree to serve on the committee. Mentors will be responsible for the pedagogical, scholarly, and professional development of their students during their program of study, will chair their Doctoral Advisory/Dissertation Advisory Committee, and will direct the student's dissertation.

Permission to Proceed and Grade Point Average (GPA)

All students in the Ph.D. program must obtain "permission to proceed" at the end of their first year of courses (normally 18 credits). This permission is granted by a collective decision of the Doctoral Advisory/Dissertation Committee and the departmental Graduate Committee.

Students must maintain a 3.5 GPA to proceed to the writing of the dissertation.

Qualifying Examination

The qualifying examination, which will come at the end of the 33-39 credits of course work (including a 3 credit Ph.D. readings course and a 3 credit Ph.D. seminar), will include two parts:

- A written examination composed of questions from the major and minor fields.
- An oral examination given no later than one month after the completion of the written examination.

If a student fails only one part of the written examination, he/she may be required to retake only that part. If a student fails all three fields, he/she must retake the entire examination.

Dissertation (12 credits)

Students will register for a minimum of 12 credits of dissertation credit (HIS 799 Dissertation) while researching and writing the dissertation.

Interior Architecture

College of Arts and Sciences

102 Gatewood Studio Arts Center
336-334-5320
<https://iarc.uncg.edu>

Ana Marshall-Baker, *Chair of Department*
Maruja Torres, *Director of Graduate Study*
Stoel Burrowes, *Director of Undergraduate Studies*

About

We have elected to call our department "Interior Architecture" as a statement of our belief that design education is a holistic and multidisciplinary activity. We believe that learning to be a designer is a complex and rigorous task, requiring devotion and passion.

We share with interior design a fundamental interest in human and environmental relationships. Yet because these relationships are

affected by objects as well as the architectural context, we also study the design of building forms and systems and provide facilities, tools, and equipment for students to build what they design -an approach to design education that is more typical of schools of design or architecture. Thus in our department we address Interior Architecture as a broad based discipline, both informing and defined by the arts of the built environment – product design, architecture, historic preservation, and engineering; connected to the allied disciplines of interior design, art, theater, dance, film making, graphic design, fashion design, industrial design, and the design of materials; and interwoven with the human experience expressed in psychology, sociology, anthropology, philosophy, history, and religion. The focus on the design and development of interior space depends upon knowledge of materials, finishes, furnishings, manufactured objects and products, buildings, context, human behavior, and human development. Instruction in these areas converges with general education requirements at UNC Greensboro to reinforce and expand the multidisciplinary nature of design.

Mission Statement

Students and faculty engage in regional, national, and international design discourses, practices, and processes to unite interior spaces with enclosing architecture and the objects contained within them.

Undergraduate

The Interior Architecture program is structured around a continuing sequence of studio courses that help the student develop a deepening mastery of the processes of designing architectural interiors.

The first year presents small-scale problems that take the student through the total design process, from problem identification to graphic communication of the solution. Methods of making and craft are emphasized.

Second-year design studios focus on the development of scale and proportioning systems within the context of interior spaces. Communication skills are stressed.

Third- and fourth-year studio courses deal with typical interior environments, with emphasis on institutional and commercial interiors, but also including residential design, historic restoration, adaptive reuse, and interior product design. Attention is also directed toward the environmental needs of special populations.

The major requirement in IARc Experience courses (9 credits) offers students opportunities for educational experiences beyond the classroom in the form of study abroad, field study, practicum, design thesis, concentrated electives, or a second internship.

The Interior Architecture Internship provides opportunities for experiential learning in design practice through private design firms, government agencies, or health care facilities.

Accreditation

The Interior Architecture program is accredited by the Council for Interior Design Accreditation (CIDA).

Departmental Admission

Enrollment in the Interior Architecture program is limited. Students are admitted on evidence of scholastic and design potential, motivation, and self-direction. A personal interview or group orientation during a scheduled Open House is required. Students may not enroll in interior

architecture courses without formal admission to the Interior Architecture program or written permission of the instructor.

Transfer students applying for advanced studio placement must present a portfolio and transcript evidence of relevant achievement through prior course work or experiences.

Interior Architecture Learning Community

The integrated curriculum and work environment of IARc is recognized by UNC Greensboro as a university learning community, affording IARc students opportunities to enhance their experiences through prioritized class registration, access to the New York Times learning partnership, and subsidized field trips during their first year.

Curriculum Policies

The policies of the Undergraduate Program were developed with the best interests of the students in mind. Minimum requirements for overall and studio performance ensure that students understand the rigors of design, and by doing well in an academic setting, will be prepared to enter a competitive work force. Students who fall below these standards in the protected environment of an academic setting where faculty members are invested in each student's success are not likely to do well in competitive professional practice.

- Students are expected to maintain a minimum 2.0 GPA overall, a minimum 2.0 GPA in the IARc major, and a minimum 2.0 in their studio courses.
- Students with less than a 2.0 GPA overall, in the IARc major, or in any studio course, will be informed in writing by the Department Chair that a probationary period has begun. Students must raise their GPA and/or studio grades to the required 2.0 during the successive semester. Those who do not will be suspended from active status as an Interior Architecture major for a period of one year.
- Students earning a D+, D, D-, or F in a studio courses (See list to follow this section.) will be required to repeat the course.
- Students on probation twice within a four semester studio sequence will be suspended from active status as an Interior Architecture major for a period of one year. Students in this situation who are enrolled in 4th- and 5th-year courses will meet with the Department Chair to discuss their future in the department.
- Students who have been suspended for a year may then petition the department in writing to enroll in Interior Architecture courses. The Department Chair will determine the conditions of re-enrollment such as completing particular course requirements, and inform the student in writing of the departmental decision.
- To appeal a decision regarding probation or suspension, students may submit a letter to the Department Chair explaining the current situation and the reason for the appeal. After consultation with the IARc Undergraduate Curriculum Committee, the Department Chair will write to the student regarding his/her future in the department.
- Students in Interior Architecture are required to complete all course requirements before advancing to a successive studio course, unless granted an exception in writing by the Department Chair. Students who receive an Incomplete, for example, in a studio course must complete that course no later than the Friday of the first week of classes of the successive studio. The Department of Interior Architecture recognizes that university policy allows a 6 month period to finish an Incomplete course; however, due to the sequential nature of studio courses, students must satisfy the course requirements of each studio before advancing to the next level. Students who do not complete the course requirements from a previous studio within the

- first week of classes will be dropped from the studio course in which they are enrolled.
- Students are expected to complete their work in accordance with the Academic Integrity Policy at UNC Greensboro. The latest version is on the Dean of Students website.
 - Because many learning experiences occur beyond the classroom, the Department of Interior Architecture has an active Speaker Series and often has guests in the department. These events and end of the semester critiques are part of the educational experience, and students are expected to attend. If an absence is necessary, students must inform the faculty member teaching their studio course of the planned absence prior to the event.

Studio Courses

Code	Title	Credit Hours
IAR 101	Environmental Design I	
IAR 102	Environmental Design II	
IAR 201	Basic Environmental Design III	
IAR 202	Basic Environmental Design IV	
IAR 301	Interior Architecture I	
IAR 302	Interior Architecture II	
IAR 411	Interior Architecture III	
IAR 412	Interior Architecture IV	

International Study Opportunities

The international context is a vital element of the educational experience for Interior Architecture students. Qualified third- and fourth-year students are encouraged to take advantage of study abroad opportunities in a variety of locations around the world including Australia, Europe, Asia, Central and South America, and Africa. International travel grants are available for participating students through the International Programs Center. Most programs are exchange-based, meaning tuition and fees for study abroad are the same of those at UNC Greensboro. Studying abroad, whether one or two semesters, does not extend the student’s graduation date.

Graduate

The Master of Fine Arts (M.F.A.) in Interior Architecture offers students a venue for advanced investigations of the built environment in close collaboration with faculty mentors. Students pursuing an M.F.A. in Interior Architecture develop their own intellectual interests in design while preparing for careers in teaching, research, or specialized practice.

The program offers distinctly strong student-faculty relationships, where students work closely with faculty members to gain expertise. The Department of Interior Architecture supports a broad range of student interests reflecting IARc’s values of promoting sustainable design for social, psychological, and ecological well-being. The department offers particular strengths in historic preservation, interior product design, community-engaged design, and human-environment relationships.

In the M.F.A. graduate studios, students will demonstrate their competency to gather, evaluate, and apply appropriate information and evidence to solve the problem. Their design investigations will demonstrate creative thinking and originality through presentation of a variety of ideas, approaches, and concepts. Students will apply a variety of communication techniques and technologies to their projects and

communicate their designs through competent drawings and models across a range of appropriate media.

The M.F.A. requires 60 credit hours and is a post-professional degree program. Through coursework, studios, and thesis development, students will undertake advanced research investigations on topics related to architectural interiors. These investigations must align with faculty interests and connect theory with application. By the time students finish their graduate studies, they will have developed expertise on a relevant topic of interest and demonstrated that expertise through a public defense of their written theses and public exhibit of their design work.

Professor

Lucinda Kaukas Havenhand
Jo R. Leimenstoll^G
Anna Marshall-Baker^G

Associate Professor

Travis Lee Hicks^G

Visiting Associate Professor

Maruja Torres^G

Assistant Professor

Amanda Jane Gale^G
Asha Kutty
E Stephen Skorski

Visiting Assistant Professor

Kim Ann Martin

Lecturer

Tommy Lambeth
Autumn Riersen Michael^G
Nisha Mary Prasad
Christopher Scott Vann

Senior Academic Professional

Stoel Burrowes^G

^G Graduate-level faculty

- Interior Architecture, B.F.A. (p. 321)
- Interior Architecture Undergraduate Minor (p. 322)
- Interior Architecture, M.F.A. (p. 322)
- Historic Preservation, Post-Baccalaureate Certificate (p. 323)

Interior Architecture Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3-6
IAR 412	Interior Architecture IV	
or HSS 490	Senior Honors Project	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Interior Architecture; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Jo Leimenstoll at jrleimen@uncg.edu for further information and guidance about Honors in Interior Architecture. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Interior Architecture, B.F.A.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Studio Courses		44
IAR 101	Environmental Design I	
IAR 102	Environmental Design II	
IAR 201	Basic Environmental Design III	
IAR 202	Basic Environmental Design IV	
IAR 301	Interior Architecture I	
IAR 302	Interior Architecture II	
IAR 411	Interior Architecture III	
IAR 412	Interior Architecture IV	
Support Courses		38
IAR 110	Design Visualization I	
IAR 112	Design Visualization II	
IAR 124	Introduction to Sustainable Design ⁺⁺⁺	
IAR 211	Visual Communication I	
IAR 212	Visual Communication II	
IAR 221	History and Theory of Design I	
IAR 222	History and Theory of Design II [†]	
IAR 311	Computer-Aided Design for Interior Architecture	
IAR 331	Social and Behavioral Aspects of Interior Architecture	
IAR 332	Interior Architecture Materials	
IAR 333	Interior Architecture Construction and Building Systems	
IAR 334	Light and Sound	
IAR 451	Professional Practice in Interior Architecture	
IAR 452	Internship in Interior Architecture	
IARc Experience		9
Select 9 credits from the following:		

Study Abroad

IAR 499	International Field Studies in Interior Architecture
<i>Field Study</i>	
IAR 427	Problems in Interior Architecture
IAR 432	Special Problems in Interior Architecture
IAR 434	Design Seminar
<i>Practicum</i>	
IAR 600	Supervised Professional Experience [*]
<i>Design Thesis</i>	
IAR 401	Advanced Interior Architecture I
<i>Concentrated Electives ^{**}</i>	
ART 100	Introduction to Art [†]
ART 220	Intermediate Drawing
ART 221	Life Drawing I
ART 241	Design II
ART 281	Ceramics I
ART 285	Photography I
ART 326	Printmaking I
ART 328	Printmaking II
ART 329	Lithography
ART 340	Concepts in Time-based Media
ART 341	Letters, Signs, and Symbols
ART 344	Digital Darkroom
ART 347	Color Theory
ART 354	Metal Sculpture
ART 442	Image Sequencing/Sequential Images
ART 446	Graphic Design
CST 341	Communication and Workplace Relationships
GES 301	Urban Geography: Global Patterns
GES 302	Urban Geography: Land Use
GES 402	Entrepreneurial Urban Planning
IAR 436	History of Decorative Arts
IAR 443	Historic Preservation: Principles and Practice
IAR 455	Field Methods in Preservation Technology
IAR 447	History Museum Curatorship: Collections Management
IAR 448	Architectural Conservation
IAR 453	History and Theories of Material Culture
IAR 460	Advanced Computer-Aided Design and Research Seminar
IAR 465	Materials and Methodologies Seminar
PHI 322	Philosophy of the Arts
PHI 348	Existentialism, Phenomenology, and Structuralism
PHI 361	Ethical Issues in Business ⁺⁺⁺
THR 140	Stage Crafts: Scenery, Lighting, and Sound
THR 351	Scene Design
THR 370	Lighting Design
THR 446	Advanced CAD for the Theatre

^{*} Graduate-level course

^{**} Other courses can be negotiated for these credits with the student's advisor and/or department chair.

[†] Counts toward GEC GFA requirement.

- †† Counts toward GEC GSB requirement.
- ††† Counts toward GEC GSB and GN requirements.
- †††† Counts toward GEC GPR requirement.

Accelerated B.F.A to M.F.A.

Qualified undergraduate IARc majors may apply for admission to the Graduate Program at the end of the fall semester of the 3rd year in the B.F.A. program. Once admitted, a student may earn a B.F.A. and a M.F.A. in 5 years (including summer sessions). A cumulative GPA of at least 3.5 in the B.F.A. program is required. Additionally, standard application requirements for the M.F.A. in Interior Architecture include undergraduate transcripts, GRE scores, portfolio review, TOEFL scores for international students, recommendations, a personal statement and a personal interview (optional).

All applicants should submit the admission application form to The Graduate School and to the Department of Interior Architecture simultaneously.

B.F.A. to M.F.A. Courses

Courses to be counted for the M.F.A. program must receive prior approval of the IARc Director of Graduate Study. Admitted students may apply a maximum of 19 credits of graduate level coursework toward completion of both the B.F.A. and M.F.A., provided a grade of "B" or better is earned in each graduate course and that graduate level requirements are fulfilled.

The MFA degree requires 60 credits of graduate-level coursework, and the B.F.A., 120 credits. Assuming 19 credits are double-counted for both degrees, students would need to complete an additional 41 credits of graduate courses to complete the M.F.A. degree.

The following courses (19 credits) may be counted toward both the B.F.A. and M.F.A. degrees:

Code	Title	Credit Hours
IAR 501	Advanced Interior Architecture I	6
IAR 600	Supervised Professional Experience	1-4
IAR 631	Environmental Design Research	3
IAR 645	Seminar in Interior Architecture	3
IAR Elective at 500 level		3

Substitutes for the above courses require permission of the IARc Director of Graduate Study.

Interior Architecture Undergraduate Minor

A minor in Interior Architecture is available for majors outside the Department of Interior Architecture. The minor requires a total of 18 credit hours selected from the list below. Applicants are required to attend an open house, meet with the Director of Undergraduate Studies or the Department Chair in IARc. Once admitted into the IARc minor, the student meets with the Department Chair to identify appropriate courses to take. The plan of study for the minor can be designed to focus on sustainability, design thinking, design theory, entrepreneurship, historic perspectives, or design fundamentals.

Students interested in an IARc minor must consult with an IARc advisor before declaring the minor. A cumulative GPA of C (2.0) or better must be achieved in the courses taken toward a minor.

Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		18
<i>Select 18 credits of the following:</i>		
IAR 101	Environmental Design I	
IAR 102	Environmental Design II	
IAR 110	Design Visualization I	
IAR 112	Design Visualization II	
IAR 221	History and Theory of Design I	
IAR 222	History and Theory of Design II	
IAR 321	Design Thinking and/or Entrepreneurial Thinking	
IAR 331	Social and Behavioral Aspects of Interior Architecture	
IAR 332	Interior Architecture Materials	
IAR 333	Interior Architecture Construction and Building Systems	
IAR 334	Light and Sound	
IAR 427	Problems in Interior Architecture	
IAR 435	Architectural Lighting Design	
IAR 436	History of Decorative Arts	
IAR 443	Historic Preservation: Principles and Practice	
IAR 448	Architectural Conservation	
IAR 451	Professional Practice in Interior Architecture	
IAR 453	History and Theories of Material Culture	

Interior Architecture, M.F.A.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit the following items directly to the department:

- One to two page personal statement including the reason for applying to the MFA program in Interior Architecture at UNC Greensboro, how it relates to the candidate's career goals, and what s/he may want to specialize in and why, if admitted.
- Portfolio of design work: Representative examples of design work including short written descriptions of the projects to provide an overview of the candidate's design skills and design experience. Examples of 2-D or 3-D art work could be included, if applicable.

Applicants will be invited for a personal interview face-to-face or online after all the documents for admission are submitted.

An undergraduate degree in interior design or interior architecture is preferred. Candidates who do not hold an undergraduate degree in interior design or interior architecture but are graduates of a related environmental design program, such as architecture, industrial design, etc., may be required to complete specific undergraduate prerequisite courses in interior architecture as a part of their graduate studies. Such

decisions would be based upon an individual evaluation of credentials, portfolio, and design experience.

Degree Program Requirements

Required: 60 credit hours

Code	Title	Credit Hours
Required Studio Courses (18 credits)		
IAR 501	Advanced Interior Architecture I	6
IAR 502	Advanced Interior Architecture II	6
IAR 602	Advanced Interior Architecture III	6
Required Core Courses (6 credits)		
IAR 631	Environmental Design Research	3
IAR 645	Seminar in Interior Architecture	3
Electives in Area of Specialization (27-33 credits)		
Select a minimum of 27 credits from the following:		27-33
IAR 527	Problems in Interior Architecture	
IAR 535	Architectural Lighting Design	
IAR 536	History of Decorative Arts	
IAR 540	Evolution of Furniture	
IAR 541	Contemporary Trends in Interior Product Design	
IAR 543	Historic Preservation: Principles and Practice	
IAR 547	History Museum Curatorship: Collections Management	
IAR 548	Architectural Conservation	
IAR 555	Field Methods in Preservation Technology	
IAR 560	Advanced Computer-Aided Design and Research Seminar	
IAR 565	Materials and Methodologies Seminar	
IAR 601	Directed Self-Study in Interior Architecture	
IAR 624	History of American Landscapes and Architecture	
IAR 625	Preservation Planning and Law	
IAR 626	The Practice of Public History	
IAR 627	Museum and Historic Site Interpretation: Principles and Practice	
IAR 665	Problems in Interior Architecture	
Internship/Professional Experience (3-12 credits)		
Select a minimum of 3 credits from the following:		3-12
IAR 600	Supervised Professional Experience	
IAR 690	Internship	
Thesis (Capstone Experience) (6 credits)		
IAR 699	Thesis	6
Total Credit Hours		60-75

Thesis (Capstone Experience)

The student will complete a 6-credit thesis and will participate in a public discussion of the thesis with other students and faculty members. The student's thesis committee will be responsible for reviewing and approving successful completion of the thesis. Credit may be divided over two or more semesters. Students can opt to defend their thesis in the spring or summer semester of their second year or fall semester of third year.

Electives in Area of Specialization

With prior approval by the Director of Graduate Study or the student's thesis chair, a student will select a minimum of 27 credits in this area from any of the IAR courses listed or from other 500- and 600-level courses taught in related areas in other departments.

Internship/Professional Experience

With prior approval by the student's thesis chair and the Director of Graduate Study, a student will select a minimum of 3 credits in this area. Both courses can be taken twice for credit.

Accelerated B.F.A to M.F.A.

Qualified undergraduate IARc majors may apply for admission to the Graduate Program at the end of the fall semester of the 3rd year in the B.F.A. program. Once admitted, a student may earn a B.F.A. and a M.F.A. in 5 years (including summer sessions). A cumulative GPA of at least 3.5 in the B.F.A. program is required. Additionally, standard application requirements for the M.F.A. in Interior Architecture include undergraduate transcripts, GRE scores, portfolio review, TOEFL scores for international students, recommendations, a personal statement and a personal interview (optional).

All applicants should submit the admission application form to The Graduate School and to the Department of Interior Architecture simultaneously.

B.F.A. to M.F.A. Courses

Courses to be counted for the M.F.A. program must receive prior approval of the IARc Director of Graduate Study. Admitted students may apply a maximum of 19 credits of graduate level coursework toward completion of both the B.F.A. and M.F.A., provided a grade of "B" or better is earned in each graduate course and that graduate level requirements are fulfilled.

The MFA degree requires 60 credits of graduate-level coursework, and the B.F.A., 120 credits. Assuming 19 credits are double-counted for both degrees, students would need to complete an additional 41 credits of graduate courses to complete the M.F.A. degree.

The following courses (19 credits) may be counted toward both the B.F.A. and M.F.A. degrees:

Code	Title	Credit Hours
IAR 501	Advanced Interior Architecture I	6
IAR 600	Supervised Professional Experience	1-4
IAR 631	Environmental Design Research	3
IAR 645	Seminar in Interior Architecture	3
IAR Elective at 500 level		3

Substitutes for the above courses require permission of the IARc Director of Graduate Study.

Historic Preservation, Post-Baccalaureate Certificate

The 15-credit hour Post-Baccalaureate Certificate in Historic Preservation provides graduate students in history, interior architecture, and related fields training and credentials to pursue careers in historic preservation, management of historic sites, and related public history professions. The certificate can be earned in tandem with the M.F.A. in Interior Architecture

or other graduate degree. It can also be pursued as a stand-alone certificate.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions. Admission to this graduate certificate program occurs only in even-numbered years.

In addition to the application materials required by the Graduate School, applicants must submit a 750-word personal statement.

Certificate Program Requirements

Required: 15 credit hours

Code	Title	Credit Hours
Required Courses (12 credits)		
IAR/HIS 543	Historic Preservation: Principles and Practice	3
IAR/HIS 624	History of American Landscapes and Architecture	3
IAR/HIS 625	Preservation Planning and Law	3
IAR/HIS 690	Internship *	3
Electives (3 credits)		
Select 3 credits from the following: **		3
HIS 629	Museum Education	
IAR 536	History of Decorative Arts	
IAR/HIS 547	History Museum Curatorship: Collections Management	
IAR/HIS 548	Architectural Conservation	
IAR/HIS 555	Field Methods in Preservation Technology	
GES 602/ ENT 610	Entrepreneurial Urban Planning	
PSC 540	Nonprofit Management and Leadership	
Total Credit Hours		15

* *Students with appropriate professional work experience may substitute an elective for the internship requirement with prior approval of the Director of Graduate Study.*

** *To complete the 15 credits of course work, electives should be selected with the prior approval of the Director of Graduate Study.*

International and Global Studies

College of Arts and Sciences

336-334-5557 or 336-334-5560
<https://igs.uncg.edu>

Kathleen Macfie, *Director, International and Global Studies Program and Associate Professor of Russian, Department of Languages, Literatures, and Cultures*

Committee Members

James Anderson, Department of History

Ali Askerov, Department of Peace and Conflict Studies

Ye (Jane) He, Department of Teacher Education and Higher Education

Etsuko Kinefuchi, Department of Communication Studies

Kathleen Macfie, Director, International and Global Studies Program and Associate Professor, Department of Languages, Literatures, and Cultures

Natacha Nikokeza, The Center for New North Carolinians

Penelope Pynes, International Programs Center

Neelofer Qadir, International and Global Studies Program, Department of English

Linda Rupert, Department of History

William Zang, Assistant Director, International and Global Studies Program

Mission Statement

The International and Global Studies Program educates and empowers students to be engaged global citizens. Our interdisciplinary, liberal arts approach emphasizes intercultural competency, strong foreign language proficiency, and a critical understanding of the complexity and interconnectedness of world regions and populations. Study Abroad and other cross-cultural experiences are also integral components of the Program. We therefore prepare our students for a variety of public- and private-sector careers where these qualities and experiences are valued, as well as for graduate and professional studies in fields with an international or global focus.

Special Programs in Liberal Studies Major Concentrations in the International and Global Studies Program

Concentration areas afford intellectual and curricular definition to each student's course of study. Majors, second majors, and minors should select the concentration area that best complements their interests.

Functional Studies

- **International and Global Affairs and Development** (major concentration)

A study of the political, sociological, economic, environmental, and health-related issues and the interdependence among peoples, governments, and nations of the world.

- **International and Global Arts and Belief Systems** (major concentration)

A study of the arts, literatures, philosophies, and belief systems unique to and interconnecting other nations and peoples of the world.

- **International and Global Human Rights** (major concentration)

A study of the foundations of freedom, justice, and peace as they relate to the protection of the dignity and rights of human beings around the world.

Regional Studies

- Asian Studies (major concentration or minor)
- Latin American and Caribbean Studies (major concentration or minor)
- Russian Studies (major concentration or minor)
- African Studies (minor)
- European Studies (minor)

Course of Study

The course of study in all major concentration areas is provided below.

Foreign Language

6 credit hours of a foreign language at the 300 level or above. Languages offered at the upper levels at UNC Greensboro include Chinese, French, German, Japanese, Russian, Spanish (Italian is taught through the intermediate level only). Other languages meeting this requirement must be approved by the Director.

Note: Students pursuing Regional Studies concentrations must take a language appropriate for their region: Chinese or Japanese for

Asian Studies: Spanish, French, or Portuguese for Latin American and Caribbean Studies; Russian for Russian Studies.

Core Courses

Introduction Core Course: IGS 200

Capstone seminar: IGS 400

Additional Courses

Courses selected according to the student's concentration and special interests in consultation with the Director of the Program.

International/Global Experience (IGE)

By the end of their final semester of study, all IGS majors must have completed an approved "international" or "global" experience. This requirement will be met by completing a qualified study-abroad experience that satisfies the requirements listed below.

A Qualified Study-Abroad Experience

Study abroad affords the greatest opportunity for total immersion in another socio-political, economic, and cultural context, thus enhancing knowledge, skills, and dispositions central to the major. In addition, course work completed during study abroad typically has application toward the major's curricular requirements (especially IGS's foreign language and/or Additional Course requirements). The characteristics listed below shall distinguish such an experience as "qualified".

- Any semester- or year-long study abroad experience with exchange partners arranged through UNC Greensboro's International Programs Center (IPC).
- A short-term or summer study-abroad program approved by IPC or the IGS Director and equivalent to at least 6 credits of academic credit.

Note: whenever possible, students should select a study abroad site that affords an immersion experience for the foreign language they are studying to meet the IGS FL requirement.

Confirmation of completion of this requirement will be documented on the IGS Degree Audit following review of the student's UNC Greensboro transcript or UNC Greensboro degree evaluation. This audit will be submitted to the University Registrar's Office at the end of the major's program of study.

Study Abroad Alternative

In circumstances where study abroad is unfeasible (e.g., in cases of serious financial or personal hardship) or redundant (e.g., in cases of international students), a major must submit a "Study Abroad Alternative" request to the IGS director, who will assess the validity of the case. Should the study abroad obligation be waived, the IGE requirement should be met by completing the UNC Greensboro Global Leadership Program (GLP) by the student's final semester of study. The GLP offers students who are interested in international and global societies and issues an opportunity to hone the range of skills necessary to develop as global leaders. Through a combination of experiences involving work with immigrants and refugees in the local community and/or foreign students on campus, GLP participants will prepare themselves to become engaged world citizens with an appreciation of the importance of intercultural understanding.

Additional alternatives may be available. Contact the IGS director for details.

Category Descriptions for Major Requirements

Courses to fulfill the 18 credits in the major requirements are chosen from among the four categories. A unique set of courses by category are identified in the Additional Courses Options for each concentration. Eligible courses must also focus at least 51 percent on the modern period (19th century to the present), except as noted in the Additional Courses Options.

Category 1—Society and Politics (S&P)

Any course with a 51 percent or more focus on social, historical, and political issues of international and/or global relevance.

Category 2—Economics and Development (E&D)

Any course with a 51 percent or more focus on issues related to international and global economics and development such as: regional and global economic integration, industrialization versus basic-needs, environmental sustainability, and international human health.

Category 3—Arts and Literature (A&L)

Any course with a 51 percent or more focus on the arts and/or literatures of nations and cultures outside of the United States, or any course reading literature in a foreign language at the 300 level or above.

Category 4—Belief Systems and Cultures (BS&C)

Any course with a 51 percent or more focus on ideologies, philosophies, and belief systems unique to and/or interconnected with other nations and peoples of the world.

- The International and Global Studies Program offers the following concentrations in the Special Programs in Liberal Studies Major:
 - Asian Studies
 - International and Global Affairs and Development
 - International and Global Arts and Belief Systems
 - International and Global Human Rights
 - Latin American and Caribbean Studies
 - Russian Studies

See the Special Programs in Liberal Studies Major (p. 382) for requirements.

- African Studies Undergraduate Minor (p. 326)
- Asian Studies Undergraduate Minor (p. 326)
- European Studies Undergraduate Minor (p. 326)
- International and Global Studies Undergraduate Minor (p. 327)
- Latin American and Caribbean Studies Undergraduate Minor (p. 327)
- Russian Studies Undergraduate Minor (p. 327)

International and Global Studies Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	

6 credits of Honors course work in the major	6
3 credits of Honors course work in the major or another area	3

Recognition

Receive a Certificate of Disciplinary Honors in International and Global Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Kathleen MacFie at k_ahern@uncg.edu for further information and guidance about Honors in International and Global Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Russian Studies Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		4-6
RUS 491	Tutorial	
or RUS 492	Tutorial	
HSS 490	Senior Honors Project	
3-6 credits of Russian contract courses *		3-6

* Must be 200-level or above

Recognition

Receive a Certificate of Disciplinary Honors in Russian Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Kathleen MacFie at k_ahern@uncg.edu for further information and guidance about Honors in Russian Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

African Studies Undergraduate Minor Program Requirements

- 18 credit hours at the 200 level and above

Code	Title	Credit Hours
Foreign Language Requirements		6
Select 6 credits of a modern foreign language at the 300 level or higher *		
Core Course		3
IGS 200	Introduction to International and Global Studies **	
Select 9 credits of additional courses ¹		

* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

** The course listed or an approved equivalent.

¹ At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Special Programs in Liberal Studies Major (p. 382), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

Asian Studies Undergraduate Minor Program Requirements

- 18 credit hours at the 200 level and above

Code	Title	Credit Hours
Foreign Language Requirements		6
Select 6 credits of Chinese or Japanese language classes at the 300 level or higher *		
Core Course		3
IGS 200	Introduction to International and Global Studies **	
Select 9 credits of additional courses ¹		

* Other languages subject to permission of the Director.

** The course listed or an approved equivalent.

¹ At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Special Programs in Liberal Studies Major (p. 382), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

European Studies Undergraduate Minor

Program Requirements

- 18 credit hours at the 200 level and above.

Code	Title	Credit Hours
Foreign Language Requirements		6
Select 6 credits of French, German, Portuguese, or Spanish language courses at the 300 level or higher *		
Core Course		3
IGS 200	Introduction to International and Global Studies **	
Select 9 credits of additional courses ¹		

* Other languages subject to permission of the Director. Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

** The course listed or an approved equivalent.

¹ At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Special Programs in Liberal Studies Major (p. 382), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

International and Global Studies Undergraduate Minor

Program Requirements

- 18 credit hours at the 200 level and above

Code	Title	Credit Hours
Foreign Language Requirements		6
Select 6 credits of a modern foreign language at the 300 level or higher *		
Core Course		3
IGS 200	Introduction to International and Global Studies **	
Select 9 credits of additional courses ¹		

* Other languages subject to permission of the Director. Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

** The course listed or an approved equivalent.

¹ At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Special Programs in Liberal Studies Major (p. 382), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

Latin American and Caribbean Studies Undergraduate Minor

Program Requirements

- 18 credit hours at the 200 level and above

Code	Title	Credit Hours
Foreign Language Requirements		6
Select 6 credits of French, Portuguese, or Spanish language courses at the 300 level or higher *		
Core Course		3
IGS 200	Introduction to International and Global Studies **	
Select 9 credits of additional courses ¹		

* Other languages subject to permission of the Director. Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

** The course listed or an approved equivalent.

¹ At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Special Programs in Liberal Studies Major (p. 382), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

Russian Studies Undergraduate Minor

Program Requirements

- 18 credit hours at the 200 level and above

Code	Title	Credit Hours
Foreign Language Requirements		6
Select 6 credits Russian language courses at the 300 level or higher *		
Core Course		3
IGS 200	Introduction to International and Global Studies **	
Select 9 credits of additional courses ¹		

* Other languages subject to permission of the Director.

** The course listed or an approved equivalent.

¹ At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Special Programs in Liberal Studies Major (p. 382), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

Languages, Literatures, and Cultures

College of Arts and Sciences

2321 Moore Humanities and Research Administration

336-334-5655

www.uncg.edu/lc

Roberto E. Campo, Head of Department

Carmen T. Sotomayor, Associate Department Head

Claudia Cabello Hutt, Director of Graduate Studies

Benjamin Davis, Director of Undergraduate Studies in German

Kathleen Macfie, Director of Undergraduate Studies in LLC

Cybelle McFadden, Director of Undergraduate Studies in French, Graduate Advisor in French

Kelly Pereira, Director of Undergraduate Studies in Spanish

Chiaki Takagi, Director of Japanese Studies

Pauli Tashima, Director of Chinese and Asian Studies

Mission

The mission of the Department is to impart an understanding of world languages, literatures, and cultures within the context of a liberal and humanistic education. We afford students experiences that highlight oral and written literacy, literary analysis, critical skills, and cultural and aesthetic appreciation through instruction in literature, culture, and linguistics in various languages, including American Sign Language, Chinese, French, German, Japanese, Russian, and Spanish.

Through engaged teaching, innovative research, diverse creative activity, and dedicated service, the Department strives to:

- Communicate an understanding of languages, literatures, and cultures within the context of a humanistic liberal education;
- Connect with individuals and communities within the department, across the campus, the state, the nation, and the world to foster a

culture of meaningful intellectual inquiry, participatory and life-long learning that promotes respect for all;

- Contribute to the University's strategic goal of internationalizing the campus as we prepare our students to excel in a variety of professions and graduate studies.

Programs

The Department offers the programs listed below.

- Languages, Literatures, and Cultures major with the following concentrations:
 - Applied Languages: French K–12 Teaching Licensure
 - Applied Languages: Spanish K–12 Teaching Licensure
 - French and Francophone Studies
 - German Studies
 - Global Languages and Communities
- Spanish Major
- Minors: Chinese, French, German, Russian, and Spanish
- The Department also offers a sequence of courses in Italian, Japanese, and Portuguese.

The Department contributes to various concentrations in the International and Global Studies program and the major in International Business Studies. We take very seriously our role in preparing students to apply their liberal arts education to future careers in areas such as education, business, health professions, and public service. We also offer Master of Arts and Master of Education degrees with concentrations in French and Spanish and a Post-Baccalaureate Certificate in Advanced Spanish Language and Hispanic Cultural Studies to provide further scholarly and professional training.

Through its courses, degree programs, and co-curricular activities, the Department contributes to the university's goal of promoting diversity and internationalizing the curriculum. We foster students' abilities to communicate within a global context and to reflect on their own heritage by supporting exchange and study abroad programs. The Department is also committed to promoting an atmosphere in which creativity and scholarly accomplishment may flourish for both students and faculty. Through our engaged teaching, innovative research and creative activity, and dedicated service, the faculty works to improve pedagogy, scholarship, and the community.

The Department promotes co-curricular activities through language clubs, honorary societies, film series, and other opportunities. Paid or unpaid internships requiring foreign language skills are increasingly available. Students may elect to live in the Global Village or UNC Greensboro's International House and are encouraged to participate in study abroad opportunities through UNC Greensboro's International Programs Center or through Summer Study Abroad sponsored by the Department.

German Studies and Russian Studies Consortia offer a broad array of German and Russian courses in language, literature, and culture taught by specialists in the UNC system through the N.C. Information Superhighway.

Students with special learning needs may qualify for the Modified Foreign Language Program in Spanish. Registration in the program requires written permission from the Department. **Native or near-native speakers must consult with an appropriate departmental advisor before signing up for courses in the Department of Languages, Literatures, and Cultures.** Students with one or more years of Chinese or Japanese must

contact the course instructor or a departmental advisor before registering for courses.

Intermediate proficiency (equivalent to 204 or 241 level) is expected for major-level work in French, German, or Spanish. Students cannot receive credit for lower-level courses after taking and receiving credit for higher level ones.

Language Placement Test in French, German, Russian, or Spanish

Students with one or more years of high school French, German, Russian, or Spanish who wish to continue the study of that same language at UNC Greensboro must take the Language Placement Test.

Incoming transfer students returning to the study of French, German, Russian, or Spanish begun in high school but not previously pursued at the college level, **must** also take the test. **Transfer students with college-level foreign languages credit are encouraged to take the placement test to determine their best starting point.**

The Language Placement Test is administered at SOAR orientation sessions during the summer and before the beginning of each semester. The test may also be taken during the year on an individual basis, by appointment, in the Department's office. Students should call the Department at 336-334-5655 to schedule their appointment.

Language Placement Test scores are valid for one year after the test is taken. The test can be taken only once a year. Once a student has begun the lower-level sequence (101–204/241), she or he cannot retake the placement test in order to place out of any of the remaining courses in the sequence.

A student who scores at the interview-stage level and is planning to continue in the language at the 300 level should consult the Director of Undergraduate Study for the appropriate language or another designated faculty member before registering for any other course in the language. The advisor will interview the student in order to determine his or her placement at the 300 level or recommend courses at the intermediate level to reinforce the student's background in language.

If a student who scores at the interview-stage level does not plan to continue study in the language, the Department of Languages, Literatures, and Cultures will confirm the student's Language Placement Test scores with the University Registrar's Office, and the student will be considered as having met the foreign language requirement at UNC Greensboro.

Students in need of additional advising or with concerns regarding the placement results are asked to make an appointment with a designated faculty member.

Graduate Studies

The Department of Languages, Literatures, and Cultures, as part of its commitment to further the study of foreign languages and literatures both regionally and nationally, offers the Master of Arts (M.A.) in Languages, Literatures, and Cultures with a concentration in French and Francophone Studies or Spanish. Students may choose from a broad spectrum of courses and possibilities, whether they are interested in perfecting their knowledge of French or Spanish or pursuing doctoral studies. Each program is balanced and comprehensive while allowing for electives in French, Spanish, or a related field. A Masters of Arts in Teaching (M.A.T.) and a Masters of Education (M.Ed.) in Teacher Education with a concentration in French Education or Spanish Education

are also offered. Most graduate classes are offered in the late afternoon, evening, or online to accommodate working professionals.

Professor

Roberto E. Campo^G
Carmen T. Sotomayor^G

Associate Professor

Mariche G Bayonas^G
Claudia Cabello Hutt^G
Laura A. Chesak^G
Veronica Grossi^G
Ana M Hontanilla^G
Ignacio Lopez^G
Kelly Anne Lowther Pereira^G
Kathleen S Macfie^G
Cybelle H. McFadden^G

Assistant Professor

Xiao Rao

Visiting Assistant Professor

Benjamin R. Davis
Ximena Alejandra Gonzalez Parada
Brooke Donell Kreitinger

Senior Lecturer

Jacqueline C Daughton
Guylene M Deasy
Karen M. DeNaples
Peter T. Dola
Carola W Dwyer
Mercedes Mercedes Freeman
Wendy K. Jones-Worden
Brenda M Ross^G
Meiqing Sun
Chiaki Takagi

Lecturer

Malika Akarramou
Jocelyn M Aksin
Cristina Arango Callejas
Jacob Matthew Barto
Tatia Dorita Beal
Jessica Y Bennett
Amy Brabeck
Sarah M Carrig
Ssu Yun Chen
Sarah Elisabeth Dempaire Wilbert
Christina Gray
Mary Ann Horley
Alejandro Hortal^G
Fengyan Hu
Anthony D Isaacs
Daniel Tae-Suk Kim
Gregory Neil Knehans
Liliana Lira-Rivera
Laura Lopez
Lizely Lopez
Joshua Lunsford
Catherine Lupo
Nodia Carina Mena
Penelope J. Pynes

Molly Rose Reiningger
Guadalupe Salinas Fernandez
Scott Michael Staubach
Yosei Sugawara
Matthew Allan Sutton
Pamela J. Taylor
Jose Felipe Troncoso
Catherine Ann Viano
William Woodfield Zang

^G Graduate-level faculty

- Languages, Literatures, and Cultures, B.A. (p. 330)
- Spanish, B.A. (p. 336)
- American Sign Language Undergraduate Minor (p. 337)
- Chinese Undergraduate Minor (p. 337)
- French and Francophone Studies Undergraduate Minor (p. 338)
- German Online Undergraduate Minor (p. 338)
- German Undergraduate Minor (p. 338)
- Russian Undergraduate Minor (p. 338)
- Spanish Undergraduate Minor (p. 338)
- Languages, Literatures, and Cultures Second Academic Concentration (p. 339)
- Languages, Literatures, and Cultures, M.A. (p. 341)
- Master of Arts in Teaching, M.A.T. (p. 342)
- Teacher Education, M.Ed. (p. 343)
- Advanced Spanish Language and Hispanic Cultural Studies, Post-Baccalaureate Certificate (p. 343)

French Disciplinary Honors Requirements

- A minimum of 15 credit hours of Honors and advanced courses with grades of B or better.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
Select 9 credits of the following:		9
Honors courses in the major		
Contract Honors courses in the major		
FRE 493	Honors Work	
Select 3 credits of the following:		3
Advanced 400-level courses		
Honors and contract courses in the major		
Any Honors courses, whether in the major or not		

Recognition

Receive a Certificate of Disciplinary Honors in French; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

See Laura Chesak at laura_chesak@uncg.edu for further information and guidance about Disciplinary Honors. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

German Disciplinary Honors Requirements

- A minimum of 12 credit hours as detailed below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		6
GER 493	Honors Work *	
HSS 490	Senior Honors Project	
Select 3-6 credits of contract courses in German above the 300 level		3-6

* 3 credits of the course listed in preparation for Senior Honors Project.

Recognition

Receive a Certificate of Disciplinary Honors in German; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

See Laura Chesak at laura_chesak@uncg.edu for further information and guidance about Disciplinary Honors. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Spanish Disciplinary Honors Requirements

- A minimum of 15 credit hours of Honors and advanced courses with grades of B or better.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
Select 12 credits in the major from the following:		12
400-level courses		
Honors courses in the major		
Contract Honors courses in the major		
SPA 493	Honors Work	

Recognition

Receive a Certificate of Disciplinary Honors in Spanish; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

See Laura Chesak at laura_chesak@uncg.edu for further information and guidance about Disciplinary Honors. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Languages, Literatures, and Cultures, B.A.

The B.A. in Languages, Literatures, and Cultures provides opportunities for language-based global engagement. Students gain linguistic and intercultural competencies applicable to many fields.

All students in the major take a course in the common core and complete a high-impact Intercultural Experience requirement that can be met by study abroad, an LLC service-learning course, residence in the Global Village learning community, certificate of completion of the Global Leadership Program, Disciplinary Honors, or approval by the Program Director.

Student Learning Outcomes

Upon completion of the B.A. in Languages, Literatures, and Cultures, students will:

1. Communicate an understanding of languages, literatures, and cultures within a global context;
2. Speak, read, write, and comprehend the language(s) studied with sufficient ease to allow them to communicate effectively across cultures;
3. Demonstrate the ability to communicate in a culturally-informed manner in international, intercultural and/or multicultural contexts in order to connect meaningfully with individuals and communities across the campus, the state, the nation, and the world;
4. Understand the importance of transcultural encounters and employ intercultural competencies essential for success in our increasingly diverse global societies.

Applied Languages: French Education Concentration

Admission to the Languages, Literatures, and Cultures French K–12 Teaching Licensure Concentration

A student who seeks admission to the French with K–12 Teaching Licensure Concentration is expected to achieve:

- A minimum grade point average (GPA) of 2.75 overall and in the major
- Completion of all courses needed to fulfill the General Education requirements
- Satisfactory scores on the Praxis I (ACT or SAT– See Praxis I substitution table for ACT, SAT, and Praxis I)

Students interested in the K–12 Teaching Licensure major must consult the Director of Undergraduate Studies in Languages, Literatures, and Cultures for early discussion of all requirements as well as the K–12 advisor. Additionally, students must request for early admission to the Teacher Education Program from the School of Education Office of Student Services. Candidates should apply for admission to the School of Education Office of Student Services at the end of their sophomore year and be admitted no later than the first semester of their junior year. Please review requirements on their webpage (<https://soe.uncg.edu/>)

services/office-of-student-services-advising/teacher-education). Consult the Teacher Education Handbook for details.

Admission to Student Teaching

During the Junior year, students already admitted to the Teacher Education Program must apply for admission to Student Teaching.

Admission includes:

- Completion of requirements specific to the major.
- Eligibility to enter student teaching requires maintaining an overall GPA of 3.0 or better after being admitted to the major, and achieving a grade of C or better in each professional course. After admission to the major, if a student fails to maintain an overall GPA of 3.0, the student has one semester to improve their GPA. If a student receives a C- or lower in a professional course, the student is eligible to retake the course at its next offering.

Application forms are available online from the Office of Student Services in the School of Education. Forms must be submitted by February 15 for student teaching in the spring of the following year. Student teaching assignments are usually made in schools within commuting distance from UNC Greensboro. Teacher education students are individually responsible for expenses incurred during student teaching, including transportation. Note: Student teaching is offered only in the spring semester.

Application for Teacher Licensure

An application for licensure should be filed with the School of Education Office of Student Services within two weeks of graduation. Students should be aware that the license process will take six weeks or longer after graduation to be completed. UNC Greensboro recommends for a teacher's licensure those students who have completed the appropriate teacher education curriculum, attained acceptable competencies, and whose work has been approved by the appropriate department.

Successful completion of Praxis II (subject-area) exams is required by the state for students completing a degree program for their first license except in Elementary and Special Education. Lateral entry teachers are also required to take the Praxis II. To be licensed in North Carolina, students must meet the specific state requirements for licensure, including demonstration of technology competencies.

Applied Languages: Spanish Education Concentration

Admission to the Languages, Literatures, and Cultures Spanish K–12 Teaching Licensure Concentration

A student who seeks admission to the Spanish with K–12 Teaching Licensure Concentration is expected to achieve:

- A minimum grade point average (GPA) of 2.75 overall and in the major
- Completion of all courses needed to fulfill the General Education requirements
- Satisfactory scores on the Praxis I (ACT or SAT– See Praxis I substitution table for ACT, SAT, and Praxis I)

Students interested in the K–12 Teaching Licensure major must consult the Director of Undergraduate Studies in Languages, Literatures, and Cultures for early discussion of all requirements as well as the K–12 advisor. Additionally, students must request for early admission to the Teacher Education Program from the School of Education Office of

Student Services. Candidates should apply for admission to the School of Education Office of Student Services at the end of their sophomore year and be admitted no later than the first semester of their junior year. Please review requirements on their webpage (<https://soe.uncg.edu/services/office-of-student-services-advising/teacher-education>). Consult the Teacher Education Handbook for details.

Admission to Student Teaching

During the Junior year, students already admitted to the Teacher Education Program must apply for admission to Student Teaching.

Admission includes:

- Completion of requirements specific to the major.
- Eligibility to enter student teaching requires maintaining an overall GPA of 3.0 or better after being admitted to the major, and achieving a grade of C or better in each professional course. After admission to the major, if a student fails to maintain an overall GPA of 3.0, the student has one semester to improve their GPA. If a student receives a C- or lower in a professional course, the student is eligible to retake the course at its next offering.

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Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- No requirement for a concentration can be met by a grade lower than C- with an overall GPA of 2.0.
- **Students must complete a High Impact Intercultural Experience (HIIE). One of the following must be met:**
 - Study abroad
 - An LLC service-learning course (such as LLC 389, LLC 399, or LLC 499)
 - Residence in a Global Village
 - Certificate of completion of the Global Leadership Program
 - Disciplinary Honors
 - Approval of the Director of Graduate Studies

- Each student must complete a minimum of 120 credits required for graduation, including 31 credits in residency at UNC Greensboro, with 12 credits in the major and 9 credits in the minor.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Required: LLC Core Course		3
Select one course from the following:		
LLC 120	Global Crossings: Topics in Images, Media, and Texts	
LLC 130	Global Green: Cultures of Production and/or Consumption	
LLC 222	Foundational Topics in Languages, Literatures, and Cultures	
LLC 250	Global Cultures Through Film: Angles of Vision	

Concentration

Select one of the concentrations as detailed following the major requirements.

- French and Francophone Studies
- German Studies
- Global Languages and Communities
- Applied Languages: French K-12 Teaching Licensure
- Applied Languages: Spanish K-12 Teaching Licensure

Electives

Electives sufficient to complete the 120 credit hours required for degree.

French and Francophone Studies Concentration Requirements		
Code	Title	Credit Hours
Language		9
Select 9 credits of the following:		
FRE 311	French Conversation and Phonetics	
FRE 312	French Conversation and Culture	
FRE 313	Conversation in France	
FRE 315	Advanced Grammar and Composition	
FRE 410	The Theory and Practice of French Translation	
FRE 497	Directed Study in French Language	
Qualified:		
FRE 301	Advanced French **	
Literature and/or Film		9
Select 9 credits of the following:		
FRE 353	Survey of French Literature	

FRE 407	Teaching French through French Literature	
FRE 450	Topics in French Literary Movements	
FRE 451	Topics in French Prose Fiction	
FRE 455	Topics in French and Francophone Literature and Film	
FRE 456	Topics in French Theatre	
FRE 457	Advanced Topics in French Literature	
FRE 458	Topics in Francophone Literature	
FRE 459	Topics in French Poetry	
FRE 463	Studies in Film Genre	
Qualified:		
FRE 353	Survey of French Literature ¹	
Culture and Civilization		3
Select 3 credits of the following:		
FRE 332	Introduction to French Civilization and Culture	
FRE 341	Business French	
FRE 496	Directed Study in French and Francophone Civilization and Culture	
FRE 433	French and Francophone Civilization and Culture	
FRE 457	Advanced Topics in French Literature	
Qualified:		
Electives		6
Select 6 credits from courses with the FRE course prefix		
Qualified: ³		
FRE 222		
FRE 232	Images of France and the Francophone World	

- * Select one of the courses listed or other approved course approved by the Program Director.
- ** The course is contingent. Qualifies only if taken before FRE 315 (or other courses above this course number).
- ¹ The course listed is a prerequisite to 400-level literature courses.
- ² The course listed qualifies only if the topic is Paris.
- ³ The courses listed below are excluded for credit toward the major:

German Studies Concentration Requirements		
Code	Title	Credit Hours
Required		27
Select a minimum of 27 credits in German above the 204 level, including at least the following:		
Literature or Culture		12
Select four of the following:		
GER 217	Masterworks of German Literature Read in English **	
GER 218	Masterworks of German Literature Read in English **	
GER 222	The Holocaust in Literature and Art **	
GER 305	German Literature: Advanced Intermediate Topics	
GER 405	Advanced Topics in German Literature	
GER 406	Advanced Topics in German Culture	
GER 422	German Memory in Fiction and Film **	
GER 491	Tutorial	
GER 492	Tutorial	

GER 493	Honors Work ¹	
<i>Additional Courses</i>		
<i>Select five additional courses above the 204 level</i>		
Tutorials		1
<i>Majors may also take 1 credit of the following:</i>		
GER 491	Tutorial	
GER 492	Tutorial	

* *Select one of the courses listed or other approved course approved by the Program Director.*

** *The courses listed are contingent. The courses count as a major credit only if a student also enrolls in GER 311 and/or 1 credit of GER 491 or GER 492 where an appropriate amount of speaking or reading or writing is done in German.*

¹ *The course listed must be taken for 3 credits to qualify.*

Related Area Courses

The courses below are suggested but not required.

Code	Title	Credit Hours
ATY 385	Language and Culture	
ENG 201	European Literary Classics: Ancient to Renaissance	
ENG 339	Shakespeare: Early Plays and Sonnets	
ENG 340	Shakespeare: Later Plays	
HIS 376	German History, 1914-1945	
HIS 392	The Holocaust: History and Meaning	
RUS 313	Major Authors in Russian Literature	
RUS 314	Major Movements in Russian Literature and Culture	
PHI 252	History of Modern Philosophy	

Global Languages and Communities Concentration Requirements

Code	Title	Credit Hours
Language Series **		12
<i>Primary Language of Study</i>		
Complete a minimum of 12 credits in CHI, FRE, GER, JNS, RUS, or SPA courses taught in the language at or above the 300 course level *		
Additional Language of Study		
All majors must demonstrate proficiency at or above the 204 level in an additional language (other than English). If you are a native speaker of another language other than English, please provide documentation to demonstrate that you have met this requirement. The program director may exempt this requirement.		
LLC Service Learning Courses		3
Select one course from below or another service-learning course approved by the director.		
LLC 389	LLC Service Learning	
LLC 399	Cultural Immersion through Community-Based Service Learning	
LLC 499	Community-Based Service Learning	
Additional Courses		15

Students may fulfill the remaining hours for the major from the courses listed below and/or 300-level and above courses in the language of study and/or the Program Director may approve other 300-level and above courses for this category.

LLC 355	Topics in Languages, Literatures, and Cultures
LLC 455	Advanced Topics: Rebels and Revolutionaries in Languages, Literatures, and Cultures
LLC 468	African History and Cultures through Film

* *Must include courses that develop writing skills and textual analysis.*
A maximum of 3 credits achieved by Special Exam may count toward the major.

** No more than 6 credits in an additional language sequence at the 101-204 level may count toward the total required hours for the major.

Applied Languages: French K–12 Teaching Licensure Concentration Requirements

Code	Title	Credit Hours
Required		18-24
<i>Bridge Course</i>		3
FRE 301	Advanced French	
or FRE 303	Francophone Cultures: An Introduction	
<i>Writing</i>		3
FRE 315	Advanced Grammar and Composition *	
<i>Oral Communication Skills</i>		3
FRE 311	French Conversation and Phonetics	
or FRE 312	French Conversation and Culture	
or FRE 313	Conversation in France	
<i>Culture and Civilization</i> **		3
Choose one of the following courses:		
FRE 331	Culture and Civilization in France	
FRE 332	Introduction to French Civilization and Culture	
FRE 341	Business French	
FRE 433	French and Francophone Civilization and Culture	
FRE 496	Directed Study in French and Francophone Civilization and Culture	
<i>Literature and Film Courses</i>		9
Required		
FRE 353	Survey of French Literature	
FRE 455	Topics in French and Francophone Literature and Film	
Select one additional course from the following: ¹		
FRE 407	Teaching French through French Literature	
FRE 456	Topics in French Theatre	
FRE 457	Advanced Topics in French Literature	
FRE 458	Topics in Francophone Literature	
<i>Linguistics</i>		3
FRE 311	French Conversation and Phonetics ²	
Additional Requirements ³		6-12
Electives to be chosen from the following: ⁴		
FRE 301	Advanced French	
FRE 303	Francophone Cultures: An Introduction	

FRE 312	French Conversation and Culture
FRE 313	Conversation in France
FRE 315	Advanced Grammar and Composition
FRE 331	Culture and Civilization in France
FRE 332	Introduction to French Civilization and Culture
FRE 341	Business French
FRE 407	Teaching French through French Literature
FRE 433	French and Francophone Civilization and Culture
FRE 456	Topics in French Theatre
FRE 457	Advanced Topics in French Literature
FRE 458	Topics in Francophone Literature
FRE 496	Directed Study in French and Francophone Civilization and Culture
FRE 497	Directed Study in French Language
LLC 468	African History and Cultures through Film

- * Or a Writing Intensive (WI) course

** Culture and Civilization courses are Speaking Intensive (SI) and can be used as an Oral Communications Skills course.

¹ In-depth inquiry can be completed in any of the Topics courses

² FRE 311 can also be used as a Conversation course

³ FRE 222 and FRE 232 are excluded for credit towards the major

⁴ To complete the 30 hours in the French concentration

Teacher Licensure Requirements

Code	Title	Credit Hours
Required		36
ERM 405	Measurement and Assessment in Teaching	
LLC 412	Teaching Second Languages in K-12	
LLC 465	Student Teaching and Seminar in World Languages	
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning ²	
TED 435	Literacy in the Content Area	
The courses listed below require 25 hours of internship in the schools:		6
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning	
The course listed below requires 50 hours of internship in the schools:		
LLC 412	Teaching Second Languages in K-12	

Clinical Experience in Teaching and/or Capstone Experience

Students will register for the course listed below. This course, as well as requiring a full semester experience in the public-school setting, will include completion of two portfolios that together align with the North Carolina Standards for Second Language Teachers and the ISTE/NETS Standards.

- A portfolio documenting proof of completion of requirements for licensure (in TaskStream) and,
- A teaching portfolio (in Pearson's EdTPA)

Code	Title	Credit Hours
LLC 465	Student Teaching and Seminar in World Languages	

Sequence of Professional Education Courses

Junior		
Fall		Credit Hours
ERM 405	Measurement and Assessment in Teaching	3
TED 445	Human Diversity, Teaching, and Learning	3
		Credit Hours 6
Spring		
TED 444	Educational Psychology for the Secondary Grades	3
		Credit Hours 3
Senior		
Fall		
LLC 412	Teaching Second Languages in K-12	3
TED 435	Literacy in the Content Area	3
		Credit Hours 6
Spring		
LLC 465	Student Teaching and Seminar in World Languages *	12
		Credit Hours 12
		Total Credit Hours 27

* Course offered only in spring semester. No other courses may be taken during student teaching.

Applied Languages: Spanish K-12 Teaching Licensure Concentration Requirements

Code	Title	Credit Hours
Required		21
Bridge Course		3
SPA 301 or SPA 302	Spanish Language and Cultures or Spanish Language and Cultures for Heritage Speakers	
Writing		6
SPA 315	Intermediate Spanish Composition	

or SPA 318	Intermediate Spanish Composition for Heritage Speakers	
SPA 415	Advanced Spanish Composition	
<i>Oral Communication Skills</i>		
Choose one of the following courses:		
SPA 311	Views of the Hispanic World Through Intermediate Conversation	
SPA 313	Views of the Hispanic World Through Intermediate Conversation Abroad	
SPA 411	Cultural Expressions in the Hispanic World Through Advanced Conversation	
<i>Cultural Studies</i>		3
Choose one of the following courses:		
SPA 317	Foundations in Hispanic Cultures, Literatures, and Films	
SPA 332	Introduction to Spanish Culture	
SPA 334	Introduction to Spanish American Culture	
SPA 417	Topics in Hispanic Cultures, Literatures and Films	
SPA 432	Topics in Spanish Culture and Civilization	
SPA 435	Selected Topics in U.S. Latino/Latina Cultural Studies	
SPA 436	Topics in Spanish-American Culture and Civilization	
<i>Literary Studies</i>		3
SPA 351	Introduction to Literary Studies	
<i>Linguistics</i>		
SPA 342	Introduction to Hispanic Linguistics *	
Additional Requirements		9
Electives to be chosen from the following: **		
<i>Cultural Studies</i>		
SPA 310	Advanced Spanish Language and Cultures for Heritage Speakers	
SPA 311	Views of the Hispanic World Through Intermediate Conversation	
SPA 313	Views of the Hispanic World Through Intermediate Conversation Abroad	
SPA 317	Foundations in Hispanic Cultures, Literatures, and Films	
SPA 332	Introduction to Spanish Culture	
SPA 334	Introduction to Spanish American Culture	
SPA 411	Cultural Expressions in the Hispanic World Through Advanced Conversation	
SPA 417	Topics in Hispanic Cultures, Literatures and Films	
SPA 432	Topics in Spanish Culture and Civilization	
SPA 435	Selected Topics in U.S. Latino/Latina Cultural Studies	
SPA 436	Topics in Spanish-American Culture and Civilization	
SPA 462	Studies in Film Genre	
<i>Hispanic Linguistics</i>		
SPA 442	Topics in Hispanic Linguistics	
SPA 443	Spanish in the U.S.	
SPA 445	Spanish Phonetics	
SPA 446		

Literary Studies

SPA 406	Topics in Latin American Literature
SPA 407	Topics in Spanish Literature
SPA 409	Topics in Literature from the Spanish Speaking World
SPA 452	Topics in Spanish Literature
SPA 454	Topics in Spanish American Literature
SPA 459	
<i>Additional Courses</i>	
SPA 321	Spanish in a Public School Setting
SPA 325	
SPA 497	Directed Study in Spanish Language
SPA 498	Directed Study in Hispanic Cultures and/or Literatures
LLC 419	Second Language Acquisition

* Students will be completing their in-depth project in SPA 342

** Must include:

- One additional 400-level course
- At least one 400-level seminar

Teacher Licensure Requirements

Code	Title	Credit Hours
<i>Required</i>		36
ERM 405	Measurement and Assessment in Teaching	
LLC 412	Teaching Second Languages in K-12	
LLC 465	Student Teaching and Seminar in World Languages	
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning	
TED 435	Literacy in the Content Area	
<i>The courses listed below require 25 hours of internship in the schools:</i>		6
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning	
<i>The course listed below requires 50 hours of internship in the schools:</i>		
LLC 412	Teaching Second Languages in K-12	

Clinical Experience in Teaching and/or Capstone Experience

Students will register for the course listed below. This course, as well as requiring a full semester experience in the public-school setting, will include completion of two portfolios that together align with the North Carolina Standards for Second Language Teachers and the ISTE/NETS Standards.

- A portfolio documenting proof of completion of requirements for licensure (in TaskStream) and,
- A teaching portfolio (in Pearson's EdTPA)

Code	Title	Credit Hours
LLC 465	Student Teaching and Seminar in World Languages	

Sequence of Professional Education Courses

Junior		
Fall		
ERM 405	Measurement and Assessment in Teaching	Credit Hours 3
TED 445	Human Diversity, Teaching, and Learning	3
		Credit Hours 6
Spring		
TED 444	Educational Psychology for the Secondary Grades	3
		Credit Hours 3
Senior		
Fall		
LLC 412	Teaching Second Languages in K-12	3
TED 435	Literacy in the Content Area	3
		Credit Hours 6
Spring		
LLC 465	Student Teaching and Seminar in World Languages *	12
		Credit Hours 12
		Total Credit Hours 27

* Course offered only in spring semester. No other courses may be taken during student teaching.

Spanish, B.A.

The Spanish Major is designed to ensure a well-rounded preparation in language, literature, and culture. The program is balanced and comprehensive, yet allows students the latitude to explore subjects of special interest to them. Specific course and area requirements and electives in language, literature, and culture characterize the program. The major in Spanish begins at the 300 level.

Residency Hours

Students should note the following regulations regarding residency hours: each student must complete a minimum of 120 credit hours required for graduation, including 31 credits in residency at UNC Greensboro, with 12 credits in the Major (including at least one 400-level course) and 9 credits in the minor.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- No requirement for the major can be met by a grade lower than C-.
- Minimum 30 credits at the 300 level or above, in the major, including the courses listed below:

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Required		18
Bridge Course		
SPA 301	Spanish Language and Cultures	
or SPA 302	Spanish Language and Cultures for Heritage Speakers	
Linguistics		
SPA 342	Introduction to Hispanic Linguistics	
Literary Studies		
SPA 351	Introduction to Literary Studies	
Writing Courses		
SPA 315	Intermediate Spanish Composition	
or SPA 318	Intermediate Spanish Composition for Heritage Speakers	
SPA 415	Advanced Spanish Composition	
400-level Seminar		
SPA 432	Topics in Spanish Culture and Civilization	
or SPA 435	Selected Topics in U.S. Latino/Latina Cultural Studies	
or SPA 436	Topics in Spanish-American Culture and Civilization	
or SPA 462	Studies in Film Genre	
or SPA 446		
or SPA 452	Topics in Spanish Literature	
or SPA 454	Topics in Spanish American Literature	
or SPA 459		

Additional Requirements

Students must complete at least 12 additional credit hours in Spanish at the 300 level and 400 level. Some LLC courses (such as LLC 389, LLC 399, LLC 419 and LLC 499) may also count toward the major.

The plan of study must include:

- Two additional 400 level courses
- Two additional 300 or above
- One High Impact Intercultural Experience (HIIE). One of the following must be met:

- Study abroad in a Spanish-speaking country
- An LLC service-learning course (such as SPA 302, SPA 310, SPA 321, SPA 499, LLC 389, LLC 399 or LLC 499)
- Residence in the Global Village
- Certificate of completion of the Global Leadership Program
- Disciplinary Honors
- Or approval by the Director of Undergraduate Studies.

Electives

To be chosen from the list below

Code	Title	Credit Hours
<i>Cultural Studies</i>		
SPA 310	Advanced Spanish Language and Cultures for Heritage Speakers	
SPA 311	Views of the Hispanic World Through Intermediate Conversation	
SPA 313	Views of the Hispanic World Through Intermediate Conversation Abroad	
SPA 317	Foundations in Hispanic Cultures, Literatures, and Films	
SPA 332	Introduction to Spanish Culture	
SPA 334	Introduction to Spanish American Culture	
SPA 411	Cultural Expressions in the Hispanic World Through Advanced Conversation	
SPA 417	Topics in Hispanic Cultures, Literatures and Films	
SPA 432	Topics in Spanish Culture and Civilization	
SPA 435	Selected Topics in U.S. Latino/Latina Cultural Studies	
SPA 436	Topics in Spanish-American Culture and Civilization	
SPA 462	Studies in Film Genre	
<i>Hispanic Linguistics</i>		
SPA 442	Topics in Hispanic Linguistics	
SPA 443	Spanish in the U.S.	
SPA 416		
SPA 446		
<i>Literary Studies</i>		
SPA 406	Topics in Latin American Literature	
SPA 407	Topics in Spanish Literature	
SPA 409	Topics in Literature from the Spanish Speaking World	
SPA 452	Topics in Spanish Literature	
SPA 454	Topics in Spanish American Literature	
SPA 459		
<i>Service Learning/Internship</i>		
LLC 389	LLC Service Learning	
LLC 399	Cultural Immersion through Community-Based Service Learning	
SPA 499	Internship in Spanish	
LLC 499	Community-Based Service Learning	
<i>Additional Courses</i>		
SPA 321	Spanish in a Public School Setting	
SPA 341		

SPA 493	Honors Work
SPA 497	Directed Study in Spanish Language
SPA 498	Directed Study in Hispanic Cultures and/or Literatures
LLC 419	Second Language Acquisition

Related Courses, Second Majors

Suggested: Second foreign language and literature; English or American Literature; Classical Studies; Spanish or Spanish American History; International and Global Studies; European Studies, Latin American Studies; Music; Art; Social Science; Anthropology; International Business Studies; Religious Studies.

Electives

Electives sufficient to complete the 120 credit hours required for degree.

American Sign Language Undergraduate Minor

American Sign Language minors are to enroll in non-major American Sign Language (ASL) classes only. Note that advanced ASL courses may not be offered during Summer Session.

Course offerings and spaces in courses are limited. Students must achieve a grade of C or higher in all ASL courses for progression to the minor.

Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
Required		15
ASL 101	Elementary American Sign Language I	
ASL 102	Elementary American Sign Language II	
ASL 203	Intermediate American Sign Language I	
ASL 204	Intermediate American Sign Language II	
ASL 245	Introduction to the Deaf Community	

Chinese Undergraduate Minor

Program Requirements

- Minimum of 15 credit hours

Students pursuing a major in the International and Global Studies Program with a concentration in Asian Studies must complete 6 credits of the language or approved equivalents.

Code	Title	Credit Hours
Required		15
CHI 203	Intermediate Chinese I	
CHI 204	Intermediate Chinese II	
<i>Select 9 credits from the following: *</i>		
CHI 210	Masterworks of Chinese Literature in Translation	
CHI 220	Modern Chinese Literature and Culture	
CHI 301	Third-Year Chinese Language	

or CHI 302	Third-Year Chinese Conversation and Composition
CHI 305	Topics in Chinese Culture
CHI 313	Major Figures in Chinese Literature

* At least 6 credit hours must be at the 300 level or higher.

French and Francophone Studies Undergraduate Minor

Program Requirements

- Minimum of 15 credit hours
- 15–21 credits of courses in French

Code	Title	Credit Hours
Required		15
FRE 204	Intermediate French II	
or FRE 241	Intermediate French: Culture and Business	
<i>Select 12-18 credits of courses in French above FRE 203</i>		

Exclusions

The second- and third-year-level culture and literature courses listed below that have all instruction, readings, and assignments in English may not count toward the minor.

- FRE 222
- FRE 232

German Online Undergraduate Minor

The German program provides a variety of online courses for students interested in German language, literature, culture, history, philosophy, music, and art. For those who wish to study abroad, the department cosponsors academic programs in Germany and Austria.

Program Requirements

- Minimum of 15 credit hours

15 credits of courses in German, of which 6 credits must be at the 300 level or higher.

Required

Code	Title	Credit Hours
Required		15
GER 203	Intermediate German	
GER 204	Intermediate German Topics	
<i>Select 9 credits of courses in German</i>		

Qualified

The courses in German literature or culture in English translation listed below can only be used for minor credit if an appropriate amount of reading is done in German.

Code	Title	Credit Hours
GER 217	Masterworks of German Literature Read in English	
GER 218	Masterworks of German Literature Read in English	

German Undergraduate Minor Program Requirements

- Minimum of 15 credit hours

15 credits of courses in German, of which 6 credits must be at the 300 level or higher.

Code	Title	Credit Hours
Required		15
GER 203	Intermediate German	
GER 204	Intermediate German Topics	
<i>Select 9 credits of courses in German above GER 102</i>		

Qualified

The courses in German literature or culture in English translation listed below can only be used for minor credit if an appropriate amount of reading is done in German.

Code	Title	Credit Hours
GER 217	Masterworks of German Literature Read in English	
GER 218	Masterworks of German Literature Read in English	

Russian Undergraduate Minor

Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
Required		6
RUS 203	Intermediate Russian I *	
RUS 204	Intermediate Russian II *	
<i>Select 9 credits above the 100 level</i>		

* These two courses also count toward the Special Programs in Liberal Studies Major: Russian Studies Concentration.

Spanish Undergraduate Minor Program Requirements

- 15-21 credit hours

Code	Title	Credit Hours
Select 15-21 credits of courses in Spanish above 203, excluding courses in English translation		15-21

Languages, Literatures, and Cultures

Second Academic Concentration

French Second Academic Concentration for Elementary Education with K–6 Teacher Licensure, B.S.

The Languages, Literatures, and Cultures department offers a 24 credit second academic concentration in French that meets requirements for Elementary and Middle Grades Education (School of Education) and certain other university programs in education. Consult with the undergraduate major advisor for Languages, Literatures, and Cultures.

Requirements

- Minimum of 24 credit hours

All courses must be at the 300 level or above. No requirement may be met by a grade lower than C-.

Code	Title	Credit Hours
Language		
<i>Select 6 credits from the following:</i>		
FRE 301	Advanced French *	
FRE 311	French Conversation and Phonetics **	
FRE 312	French Conversation and Culture ¹	
FRE 313	Conversation in France ¹	
FRE 315	Advanced Grammar and Composition ²	
FRE 410	The Theory and Practice of French Translation	
FRE 497	Directed Study in French Language ²	
Literature and/or Film		
<i>Select 9 credits from the following:</i>		
FRE 353	Survey of French Literature ³	
FRE 407	Teaching French through French Literature	
FRE 450	Topics in French Literary Movements	
FRE 451	Topics in French Prose Fiction	
FRE 456	Topics in French Theatre	
FRE 457	Advanced Topics in French Literature	
FRE 458	Topics in Francophone Literature	
FRE 459	Topics in French Poetry	
FRE 463	Studies in Film Genre	
Electives		
<i>Select an additional 9 credits from courses with the SPA course prefix</i>		
<i>Qualified: ⁴</i>		
FRE 222		
FRE 232	Images of France and the Francophone World	

* The course below is contingent. Qualifies only if taken before FRE 315 (or other courses above this course number).

** The course listed satisfies both the Phonetics competency and the Conversation requirements for licensure.

¹ Any of the courses listed satisfy the Conversation requirement for licensure.

² Any of the courses listed satisfy the Conversation requirement for licensure.

³ The course listed is a prerequisite to 400-level literature courses.

⁴ The courses listed below are excluded for credit toward the second academic concentration.

French Second Academic Concentration for Middle Grades Education, B.S.

The department offers a 24 credit second academic concentration in French that meets requirements for Elementary and Middle Grades Education (School of Education) and certain other university programs in education. Consult with the undergraduate major advisor for Languages, Literatures, and Cultures.

Requirements

- Minimum of 24 credit hours

All courses must be at the 300 level or above. No requirement may be met by a grade lower than C-.

Code	Title	Credit Hours
Language		
<i>Select 6 credits from the following:</i>		
FRE 301	Advanced French *	
FRE 311	French Conversation and Phonetics **	
FRE 312	French Conversation and Culture ¹	
FRE 313	Conversation in France ¹	
FRE 315	Advanced Grammar and Composition ²	
FRE 410	The Theory and Practice of French Translation	
FRE 497	Directed Study in French Language ²	
Literature and/or Film		
<i>Select 9 credits from the following:</i>		
FRE 353	Survey of French Literature ³	
FRE 407	Teaching French through French Literature	
FRE 450	Topics in French Literary Movements	
FRE 451	Topics in French Prose Fiction	
FRE 456	Topics in French Theatre	
FRE 457	Advanced Topics in French Literature	
FRE 458	Topics in Francophone Literature	
FRE 459	Topics in French Poetry	
FRE 463	Studies in Film Genre	
Electives		
<i>Select an additional 9 credits from courses with the SPA course prefix</i>		
<i>Qualified: ⁴</i>		
FRE 222		
FRE 232	Images of France and the Francophone World	

* The course below is contingent. Qualifies only if taken before FRE 315 (or other courses above this course number).

** The course listed satisfies both the Phonetics competency and the Conversation requirements for licensure.

¹ Any of the courses listed satisfy the Conversation requirement for licensure.

² Any of the courses listed satisfy the Conversation requirement for licensure.

³ The course listed is a prerequisite to 400-level literature courses.

⁴ The courses listed below are excluded for credit toward the second academic concentration.

German Second Academic Concentration for Elementary Education with K–6 Teacher Licensure, B.S.

Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Core Courses		6
Select 6 credits from the following:		
GER 305	German Literature: Advanced Intermediate Topics	
GER 405	Advanced Topics in German Literature	
GER 406	Advanced Topics in German Culture	
Electives		12
Select an additional 12 credits in Language, Literature, or Culture courses above the following course number:		
GER 204	Intermediate German Topics	

Spanish Second Academic Concentration for Elementary Education with K–6 Teacher Licensure, B.S.

The Languages, Literatures, and Cultures department offers a 24 credit second academic concentration in Spanish that meets requirements for Elementary and Middle Grades Education (School of Education) and certain other university programs in education. Consult with the Coordinator for Undergraduate Advising.

Requirements

- Minimum of 24 credit hours
- All courses must be at the 300 level or above. No requirement may be met by a grade lower than C-.

Code	Title	Credit Hours
Bridge Language Course		
SPA 301 or SPA 302	Spanish Language and Cultures * Spanish Language and Cultures for Heritage Speakers	
Literature		
SPA 351	Introduction to Literary Studies	
Select one additional SPA course at the 400-level		
Composition		
SPA 315	Intermediate Spanish Composition	
Conversation		
Select one of the following:		
SPA 311	Views of the Hispanic World Through Intermediate Conversation	
SPA 313	Views of the Hispanic World Through Intermediate Conversation Abroad	
SPA 411	Cultural Expressions in the Hispanic World Through Advanced Conversation	
Civilization		

Select one of the following:	
SPA 332	Introduction to Spanish Culture
SPA 334	Introduction to Spanish American Culture
SPA 432	Topics in Spanish Culture and Civilization
SPA 435	Selected Topics in U.S. Latino/Latina Cultural Studies
SPA 436	Topics in Spanish-American Culture and Civilization

Phonetics	
SPA 442 or SPA 445	Topics in Hispanic Linguistics Spanish Phonetics

Electives	
Select an additional 9 credits with the SPA course prefix	

- * For Heritage Speakers only.
- ** The following courses are excluded for credit toward the second academic concentration:

Spanish Second Academic Concentration for Middle Grades Education, B.S.

The Languages, Literatures, and Cultures department offers a 24 credit second academic concentration in Spanish that meets requirements for Elementary and Middle Grades Education (School of Education) and certain other university programs in education. Consult with the Coordinator for Undergraduate Advising.

Requirements

- Minimum of 24 credit hours
- All courses must be at the 300 level or above. No requirement may be met by a grade lower than C-.

Code	Title	Credit Hours
Bridge Language Course		
SPA 301 or SPA 302	Spanish Language and Cultures * Spanish Language and Cultures for Heritage Speakers	
Literature		
SPA 351	Introduction to Literary Studies	
Select one additional SPA course at the 400-level		
Composition		
SPA 315	Intermediate Spanish Composition	
Conversation		
Select one of the following:		
SPA 311	Views of the Hispanic World Through Intermediate Conversation	
SPA 313	Views of the Hispanic World Through Intermediate Conversation Abroad	
SPA 411	Cultural Expressions in the Hispanic World Through Advanced Conversation	
Civilization		
Select one of the following:		
SPA 332	Introduction to Spanish Culture	
SPA 334	Introduction to Spanish American Culture	
SPA 432	Topics in Spanish Culture and Civilization	

SPA 435	Selected Topics in U.S. Latino/Latina Cultural Studies
SPA 436	Topics in Spanish-American Culture and Civilization

Phonetics

SPA 442	Topics in Hispanic Linguistics
or SPA 445	Spanish Phonetics

Electives

Select an additional 9 credits with the SPA course prefix

* For Heritage Speakers only.

Languages, Literatures, and Cultures, M.A.

The M.A. in Languages, Literatures, and Cultures with a concentration in French and Francophone Studies or Spanish offers two options: a thesis option requiring 30 credit hours of graduate study (24 credits of coursework and 6 credits of thesis) and a comprehensive examination (if the degree is in French and Francophone Studies) and a non-thesis option requiring 30 credit hours of coursework and a comprehensive examination.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Admission to M.A. in Languages, Literatures, and Cultures assumes completion of an undergraduate program with a minimum of 24 credit hours in French or Spanish, as appropriate, above the 204 level. Candidates lacking the prior academic language training may be admitted provisionally (contact relevant Director of Graduate Study for details).

In addition to the application materials required by The Graduate School, applicants to the M.A. in Languages, Literatures, and Cultures must provide the following to the Director of Graduate Study:

- 500-word Statement of Purpose in French or Spanish, highlighting prior experiences and explaining reasons for applying and expectations for the program.
- 3-to 5-minute unscripted tape, audio CD (in standard format), or digital audio file in French or Spanish demonstrating speaking ability through discussion of topics related to the program of study.
- an analytical paper in French, Spanish, or English written for a prior course in the humanities or a comparable writing sample.

Degree Program Requirements

French and Francophone Studies Concentration

Required: 30 credit hours

Code	Title	Credit Hours
Required Course (3 credits)		
LLC 601	Research Methods and Critical Analysis *	3

Core Courses in French and Francophone Studies (18-30 credits)

In consultation with the Graduate Advisor in French, the student must select the remaining courses at the 500-level or above with at least 50% at the 600 level or above as indicated:

Thesis Option

18-24 course credits

6 thesis credits

Non-thesis Option

24-30 course credits

Electives Related Area (0-6 credits)

With prior approval from the Graduate Advisor in French, the student may select up to 6 credits in a related area.

Total Credit Hours 21-39

NOTE: All students must complete 30 credit hours for the French and Francophone Studies concentration, M.A. in Languages, Literatures, and Cultures. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

* The student must complete LLC 601 with a grade of B (3.0) or better.

Additional Language Requirement

The student will demonstrate a reading knowledge of a language other than French and English by one of the following methods:

- Passing a reading or translation examination
- Completing intermediate-low level (equivalent to UNC Greensboro's 204 level) or higher course work in the additional language with a grade of B (3.0) or better documented by an official transcript
- Obtaining a score of 400 or higher on the department's Computerized Adaptive Placement Exam

Contact the Director of Graduate Study in French for details.

Comprehensive Examination (Capstone Experience)

The student must pass a written comprehensive examination based on the reading list and course work taken. Please consult with your graduate advisor for more information on formats and test dates.

Reading List

The student will read a prescribed list of major works of French literature.

Thesis (thesis option only)

Code	Title	Credit Hours
FRE 699	Thesis	1-6

The student selecting this option must write a thesis under the guidance of a committee consisting of a chair and two other members of the graduate faculty. An oral examination on the thesis is required. Please consult with your graduate advisor for further information.

Spanish Concentration

Required: 30 credit hours

Code	Title	Credit Hours
Required Course (3 credits)		

LLC 600	Methods of Teaching Modern Languages	3
or LLC 601	Research Methods and Critical Analysis	

Core Courses in Spanish and Romance Languages (18 credits)

In consultation with the Director of Spanish Graduate Study, the student must select courses at the 500-level or above with at least 50% at the 600 level or above as indicated:

Select 6 credits in Latin American Literature/Culture

Select 6 credits in Spanish Peninsular Literature/Culture	
Select 6 credits in Linguistics, the three major areas of the program	
Capstone Experience (0-6 credits)	
Select one of the following options:	0-6
Non-Thesis (Comprehensive Examination) Option	
Students must pass a written comprehensive examination based on the reading list. The examination is scheduled once a semester in the fall and spring. Please consult with your graduate advisor for the dates of these examinations.	
Thesis Option *	
SPA 699 Thesis (6 credits)	
Electives (3-9 credits)	3-9
Thesis Option students must select 3 credit of electives	
Non-thesis Option (Comprehensive Examination) students must select 9 credits of electives	
Total Credit Hours	24-36

NOTE: All students must complete 30 credit hours for the Spanish concentration, M.A. in Languages, Literatures, and Cultures. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

* Students selecting this option must write a thesis under the guidance of a committee consisting of a chair and two other members of the Graduate Faculty. An oral examination on the thesis is required. Please consult with the graduate advisor for further information.

Core Courses in Spanish and Romance Languages

Thesis option: Students who opt to write a thesis must develop a proposal and have it approved by the thesis chair and graduate director by the end of their first year in the program. Students selecting this option must write a thesis under the guidance of a committee consisting of a chair and two other members of the Graduate Faculty. An oral examination on the thesis is required. Please consult with your graduate advisor for further information. Students who opt to write a thesis are exempt from comprehensive exams.

Non-Thesis option: Students in the non-thesis option must pass a written comprehensive examination based on the reading list.

Additional Language Requirement

The student will demonstrate a reading knowledge of a language other than Spanish and English by one of the following methods:

- Passing a reading or translation examination
- Completing intermediate-low level (equivalent to UNC Greensboro's 204 level) or higher course work in the additional language with a grade of B (3.0) or better documented by an official transcript
- Obtaining a score of 400 or higher on the department's Computerized Adaptive Placement Exam

Contact the Director of Graduate Study in Spanish for details.

Reading List

Students will read a prescribed list that includes major works on Spanish and Spanish American literature as well as works on Spanish and Spanish American culture and civilization, and Hispanic linguistics. Students should consult regularly with the graduate advisor, and with

faculty specializing in the various areas, while working to complete preparation of the reading list.

Master of Arts in Teaching, M.A.T.

The Master of Arts in Teaching with a concentration in French Education or a concentration in Spanish Education culminates with the development of an Initial Competencies Portfolio, providing eligibility for candidates to apply for "A" licensure from the North Carolina Department of Public Instruction. The Master of Arts in Teaching is designed for candidates who have a bachelor's degree but did not pursue teacher education or licensure as undergraduates. It requires 33 credit hours with 18 credits in the content area. All students are required to demonstrate proficiency in Phonetics.

A minimum of 24 credit hours in French/Spanish above the 204 level in the undergraduate program.

A minimum of Advanced Low Proficiency (according to ACTFL guidelines). The department may request an Oral Proficiency Interview. An interview with the Director of Graduate Study may be required.

Applicants who have not taken Phonetics will be required to take a remedial prerequisite or co-requisite course (not included in hours required for the degree).

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants to the Master of Arts in Teaching with a concentration in French Education or Spanish Education must provide the following:

- 500-word Statement of Purpose in French or Spanish, highlighting prior experiences and explaining reasons for applying and expectations for the program.
- 3-to 5-minute unscripted digital recording demonstrating speaking ability in French or Spanish. The sample should discuss a topic related to the program of study as well as experiences and motivation.
- An analytical paper in French, Spanish, or English written for a prior course in the humanities or a comparable writing sample.

Degree Program Requirements

Required: 39 credit hours

Code	Title	Credit Hours
Courses in Pedagogy (18 credits)		
LLC 512	Teaching Second Languages in K-12	3
LLC 519	Second Language Acquisition	3
LLC 600	Methods of Teaching Modern Languages	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
ERM 605	Educational Measurement and Evaluation	3
Courses in the Content Area (18 credits)		

In consultation with the Director of Graduate Study in French or Spanish, the student must select courses in French/Francophone or Hispanic linguistics, literature, and culture and demonstrate appropriate oral and written communication skills.

Clinical Experience in Teaching (3 credits)

LLC 665	Clinical Practice/Seminar in Teaching World Languages *	3
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Capstone Experience

Teaching/Technology Portfolio (see below for details)

Total Credit Hours 39

* May be based on an on-going teaching experience, a teaching assistantship in the Department of Languages, Literatures, and Cultures, or a student-teaching experience in a public school. Includes completion of the Teaching/Technology Portfolio.

Capstone Experience: Teaching/Technology Portfolio (TaskStream)

The portfolio will be aligned with the North Carolina Standards for Second Language Learners and the ISTE/National Educational Technology Standards for Teachers (NETS-T).

Teacher Education, M.Ed.

The M.Ed. in Teacher Education with a concentration in French Education or a concentration in Spanish Education is offered through the Department of Languages, Literatures and Cultures and culminates with the development of an Advanced Competencies Portfolio, providing eligibility for candidates to apply for "M" licensure from the North Carolina Department of Public Instruction. Field experiences (school-based activities) are required. The Master of Education in Teacher Education with a concentration in French Education or Spanish Education is designed for applicants who already hold "A" licensure and requires 36 credit hours with 18 credits in the content area. All students are required to demonstrate proficiency in Phonetics.

A minimum of 24 credit hours in French/Spanish above the 204 level in the undergraduate program.

A minimum of Advanced Low Proficiency (according to ACTFL guidelines). The department may request an Oral Proficiency Interview. An interview with the Director of Graduate Study may be required.

Applicants who have not taken Phonetics will be required to take a remedial prerequisite or co-requisite course (not included in hours required for the degree).

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants to the M.Ed. in Teacher Education with a concentration in French Education or Spanish Education must provide the following:

- 500-word Statement of Purpose in French or Spanish, highlighting prior experiences and explaining reasons for applying and expectations for the program.
- 3-to 5-minute unscripted digital recording demonstrating speaking ability in French or Spanish. The sample should discuss a topic related to the program of study as well as experiences and motivation.
- An analytical paper in French, Spanish, or English written for a prior course in the humanities or a comparable writing sample.

Degree Program Requirements

Required: 33 credit hours

In consultation with the appropriate Director of Graduate Study, the student must select courses with at least 50% at the 600 level or above.

Capstone Experience: Teaching/Technology Portfolio (TaskStream)

The portfolio will be aligned with the North Carolina Standards for Second Language Teachers and the ISTE/National Educational Technology Standards for Teachers (NETS-T).

Code	Title	Credit Hours
Required Courses in Pedagogy (15 credits)		
LLC 519	Second Language Acquisition	3
LLC 600	Methods of Teaching Modern Languages	3
TED 669	Educational Implications of Learning and Developmental Theory	3
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3

Clinical Experience in Teaching

All students are required to complete a clinical experience (see below for details)

Courses in the Content Area (18 credits)

In consultation with the graduate advisor in French or Spanish, the student must select courses in French/Francophone or Hispanic linguistics, literature, and culture and demonstrate appropriate oral and written communication skills.	18
Total Credit Hours	33

Clinical Experience in Teaching

May be based on an on-going teaching experience, a teaching assistantship in the Department of Languages, Literatures, and Cultures or in a community college, or a student-teaching experience in a public school. Includes completion of the Teaching/Technology Portfolio.

All students will be required to complete a clinical experience, such as:

- On-going teaching experience
- Teaching assistantship in the department
- Teaching assistantship in a community college
- Student teaching in public schools

The course will include completion of their Capstone Experience, the Teaching/Technology Portfolio -TaskStream. The portfolio will be aligned with the North Carolina Standards for Second Language Teachers and the ISTE/NETS Standards.

Advanced Spanish Language and Hispanic Cultural Studies, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Advanced Spanish Language and Hispanic Cultural Studies requires 15 credit hours and is designed for professionals who may have a bachelor's degree in a field other than Spanish but who are able to demonstrate linguistic and analytical skills in

Spanish equivalent to having completed a minimum of 21 undergraduate credits above the 204 level.

Programs goals are to:

- 1. Increase student's language skills in Spanish to a high level;
- 2. Prepare qualified candidates for cross-cultural professions; and
- 3. Help prepare instructors who must have at least 18 credits of graduate credit in order to teach Spanish at an accredited community college, four-year college or university.

Students may choose to continue with an additional 3-credit course or apply for admission as M.A. candidates.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants to the Post-Baccalaureate Certificate in Advanced Spanish Language and Hispanic Cultural Studies must provide the following:

- 500-word essay in Spanish describing their professional goals and motivation for pursuing graduate work in the certificate.
- 3-to 5-minute unscripted tape, audio CD (in standard format), or digital audio file in Spanish to introduce themselves and describe their academic or equivalent preparation to pursue advanced proficiency in Spanish.
- 5-to 10-page sample of professional or academic analytical writing in English or Spanish.
- Applicants to the certificate program are expected to demonstrate at a minimum an "intermediate high" proficiency in Spanish by appropriate course work, by a personal interview with the faculty, or by an officially recognized testing procedure such as that of the American Council on the Teaching of Foreign Languages.

Certificate Program Requirements

Required: 15 credit hours

Code	Title	Credit Hours
Select 15 credits from the following:		15
SPA 532	Selected Topics in Spanish Cultures, Literatures, and Films	
SPA 534	Selected Topics in Latin American Cultures, Literatures, and Films	
SPA 535	Selected Topics in U.S. Latino/Latina Cultural Studies	
SPA 562	Studies in Film Genre	
SPA 605	Seminar in Hispanic Linguistics ¹	
SPA 695	Directed Study	
LLC 519	Second Language Acquisition	
LLC 600	Methods of Teaching Modern Languages ³	
Total Credit Hours		15

¹ May be repeated for credit when topic varies.

² Not accepted for transfer to the M.A. in Languages, Literatures, and Cultures with a concentration in Spanish or the M.Ed. in Teacher Education with concentration in Spanish.

³ Required for students who enroll in the certificate as a credential for college-level teaching.

Additional Information

Upon completion of the certificate, the graduate faculty will conduct an interview in Spanish with the student.

Mathematics and Statistics

College of Arts and Sciences

116 Petty Building
336-334-5836
<https://mathstats.uncg.edu/>

Ratnasingham Shivaji, Head of Department
Dan Yasaki, Associate Head of Department
Maya Chhetri, Director of Graduate Study
Sebastian Pauli, Director of Undergraduate Study

The Department of Mathematics and Statistics offers undergraduate and graduate degrees. The goal of all of the Department's programs is to produce students who are both technically competent and sufficiently well grounded in theory that they can contribute to fundamental research in their chosen specialty. There are many opportunities for graduates of mathematics programs in industry, government, business, research, and teaching.

The faculty consists of nationally and internationally recognized researchers in diverse areas of mathematics, statistics, and mathematics education. They are outstanding professionals committed to teaching excellence, and they take great pride in guiding students to enjoy the beauty of mathematics. The department has been hosting various professional conferences and special events, lecture series, colloquia, and seminars. These activities have greatly enhanced the student learning experience at UNC Greensboro.

Mission Statement

The mission of the Department of Mathematics and Statistics at the University of North Carolina at Greensboro is to provide intellectual leadership in the mathematical sciences that is of direct benefit to the State of North Carolina and that commands national and international respect for the quality of its educational programs and for its depth of scholarship.

Undergraduate

The Department of Mathematics and Statistics offers undergraduate programs leading to the B.A. and B.S. degrees in Mathematics, as well as a minor in Mathematics and a minor in Statistics. To give a professional direction to the student's liberal arts education, the mathematics major may choose a concentration in mathematics, statistics or high school teaching licensure. There are many opportunities for math majors in industry, actuarial sciences, government, business, and secondary school teaching. The mathematics programs also provide excellent preparation for graduate studies in many areas, including computer science, economics, engineering, law, mathematics, operations research, and statistics.

Graduate

The department offers a variety of outstanding graduate programs. A graduate degree in Mathematics is not only an excellent choice for students who pursue a career in teaching and/or research, there are

also many opportunities in banking, consulting, government, and the IT industry. Most of our graduate students are supported via attractive graduate assistantships.

The Department of Mathematics and Statistics offers a Ph.D. in Computational Mathematics, a Masters in Mathematics, and a Post-Baccalaureate Certificate in Statistics. Additionally, students pursuing a doctoral degree from another department at UNCG may obtain a doctoral minor in statistics.

Professor

Maya Chhetri^G

Richard H. Fabiano^G

Sat Narain Gupta^G

Scott James Richter^G

Ratnasingham Shivaji, *Helen Barton Excellence Professor*^G

John Stufken, *Bank of America Excellence Professor, Professor*^G

Haimeng Zhang^G

Associate Professor

Gregory C. Bell^G

Igor Erovenko^G

Talia Fernos^G

Xiaoli Gao^G

Tom Lewis^G

Sebastian Georg Manuel Pauli^G

Jonathan T. Rowell^G

Filip Saidak^G

Clifford Dieter Smyth^G

Brett Allen Tangedal^G

Dan Yasaki^G

Assistant Professor

Yu-Min Chung^G

Michael B Hull

Jianping Sun^G

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Elizabeth Fowler Lewis

Thomas A McConville

Lecturer

Monika Goel

Matt Winston Jester

Analise Linnea Sofia Rodenberg

James Edward Rudzinski

Joshua B Safley

Stephen Michael Steward

Senior Academic Professional

Tracey H. Howell

^G Graduate-level faculty

- Mathematics, B.A. (p. 345)
- Mathematics, B.S. (p. 347)
- Mathematics Undergraduate Minor (p. 349)
- Statistics Undergraduate Minor (p. 349)
- Mathematics Second Academic Concentration (<https://catalog.uncg.edu/arts-sciences/mathematics-statistics/mathematics-second-academic-concentration>)
- Mathematics, M.A. (p. 349)

- Computational Mathematics, Ph.D. (p. 354)
- Statistics, Doctoral Minor (p. 354)
- Statistics, Post-Baccalaureate Certificate (p. 355)

Mathematics Disciplinary Honors Requirements

- A minimum of 12 credit hours as detailed below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- A grade of B or higher in all course work used to satisfy the Honors requirement in Mathematics

Code	Title	Credit Hours
Required		6-9
MAT 493	Honors Work *	
HSS 490	Senior Honors Project	
Select two courses from the following:		6
MAT 310	Elementary Linear Algebra	
MAT 311	Introduction to Abstract Algebra	
MAT 390	Ordinary Differential Equations	
MAT 395	Introduction to Mathematical Analysis	

* To be taken before HSS 490

Recognition

Receive a Certificate of Disciplinary Honors in Mathematics; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Richard Fabiano at fabiano@uncg.edu for further information and guidance about Honors in Mathematics. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Mathematics, B.A.

Mathematics is an excellent major for the student whose immediate objective is to acquire a strong liberal arts education. Graduates may go on to work as an actuary with insurance companies; as a data analyst with pharmaceutical, biotechnology, or health care companies; as a quality assurance specialist with engineering companies; or in government agencies such as FDA, EPA, NSA, or USDA.

The B.A. program is more flexible than the B.S. program. It allows one to specialize in mathematics and at the same time either to follow a broad liberal arts program or to specialize in a second area (possibly even taking a second major). The BS program is more technically oriented; it provides solid preparation for work or study in mathematics or a related field.

The B.A. program in mathematics allows students to specialize in mathematics and at the same time either to follow a broad liberal arts program or to specialize in a second area (possibly even taking a second major). An undergraduate degree in mathematics also provides excellent preparation for graduate studies in many areas, including actuarial sciences, computer science, economics, engineering, law, mathematics,

operations research, and statistics. The major can be specialized to allow preparation for any of these goals.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum grade of C (2.0) required for all CSC, MAT, and STA courses to count toward the major.

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	
	College of Arts and Sciences Additional Requirements (LEC) (p. 249)	

Major Requirements

Code	Title	Credit Hours
Core Courses		33
MAT 191	Calculus I [†]	
MAT 253	Discrete Mathematical Structures	
MAT 292	Calculus II	
MAT 293	Calculus III	
MAT 310	Elementary Linear Algebra	
MAT 311	Introduction to Abstract Algebra	
MAT 390	Ordinary Differential Equations	
MAT 394	Calculus IV	
MAT 395	Introduction to Mathematical Analysis	
MAT 490	Senior Seminar in Mathematics	
STA 290	Introduction to Probability and Statistical Inference	
Select		3
Select one 400-level MAT course. *		

* *The courses listed below are not eligible.*

- MAT 413

[†] *Counts toward GEC GMT requirement.*

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Mathematics Major with High School Teaching Licensure

Electives

Electives sufficient to complete the 120 credit hours required for degree.

High School Teaching Licensure Concentration Requirements

Admission to the Concentration

A student who seeks admission to the Mathematics major with High Teaching Licensure concentration is expected to achieve:

1. A minimum grade point average (GPA) of 3.0 overall and 2.50 in the major
2. Completion of all courses needed to fulfill the General Education Requirements; and
3. Satisfactory scores on the Praxis I (ACT or SAT—See Praxis I Substitution Table for ACT, SAT, and Praxis I).

Students interested in the High School Teaching Licensure concentration must consult the coordinator of the Secondary Licensure in Mathematics Program upon admittance to UNC Greensboro for early discussion of all requirements. Additionally, students must request Admission to the Teacher Education Program from the School of Education Office of Student Services. Candidates should apply for admission to the School of Education Office of Student Services at the end of their sophomore year and be admitted no later than the first semester of their junior year. Please review requirements on their Web page. Consult the Teacher Education Handbook for details. A criminal background check is a required part of the admission process.

Admission to Student Teaching

During the junior year, students already admitted to the Teacher Education Program must apply for admission to student teaching. Admission includes:

1. Completion of requirements specific to the major with the possible exception of the 400-level MAT course.
2. Eligibility to enter student teaching requires maintaining an overall GPA of 3.0 or better and a major GPA of 2.50 or better after being admitted to the concentration, and achieving a grade of C or better in each major course and in each professional course. After admission to the concentration, if a student fails to maintain an overall GPA of 3.0, the student has one semester to improve his or her grade point average. If a student receives a C- or lower in a professional course, the student is eligible to retake the course at its next offering. After admission to the concentration, if a student fails to maintain a major GPA of 2.50, the student has one semester to improve his or her grade point average. If a student receives a C- or lower in a major course, the student is eligible to retake the course at its next offering.

Application to student teaching forms are available online at <https://soe.uncg.edu/services/office-of-student-services-advising/teacher-education/>. Forms must be submitted by February 15 for student teaching in the spring of the following year. Student teaching assignments are usually made in schools within commuting distance of UNC Greensboro. Teacher Education students are individually responsible for expenses incurred during student teaching, including transportation. Note: Student Teaching is offered only in the spring semester.

Application for Teacher Licensure

An application for licensure should be filed with the School of Education Office of Student Services within two weeks of graduation. Students should be aware that the licensure process will take six weeks or longer after graduation to be completed. UNC Greensboro recommends for a teacher's licensure those students who have completed the appropriate teacher education program, attained acceptable competencies, and whose work has been approved by the appropriate department.

Passing scores on the Praxis II (subject-area exams) are no longer required by the state to be recommended for licensure in secondary mathematics; however, successful completion of the Praxis II is required within three years of licensure. The Department of Mathematics and Statistics recommends that a student intending to be licensed take the Praxis II before graduation upon completion of their major courses.

(Lateral-entry teachers are required to take the Praxis II.) To be licensed in North Carolina, students must meet the specific state requirements for licensure in effect at the time of their application for licensure, including demonstration of technology competencies.

Teacher Licensure Requirements

Code	Title	Credit Hours
Professional Education		23
ERM 401	Assessment I: Accountability in Our Nation's Schools	
ERM 402	Assessment II: Standardized Tests	
ERM 403	Assessment III: Classroom Assessment	
LIS 120	Introduction to Instructional Technology for Educational Settings	
MAT 330	Axiomatic Foundations of Geometry	
MAT 405	Foundations of Mathematics for Teaching I	
MAT 406	Foundations of Mathematics for Teaching II	
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	
TED 445	Human Diversity, Teaching, and Learning	
TED 535	Literacy in the Content Area	
TED 401	Child and Adolescent Development and Learning	
TED 403	Teaching English Learners with Diverse Abilities	
Student Teaching and Seminar		12
MAT 465	Student Teaching and Seminar-Secondary Mathematics *	

* Two-hour weekly seminar and full-time student teaching—offered only in the spring—no other courses may be taken during student teaching.

Accelerated B.A. or B.S. to M.A. in Mathematics

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. or B.S. in Mathematics may apply for admission to the Accelerated Degree and the M.A. in Mathematics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants are also required to take the Graduate Record Examination. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the M.A. program in Mathematics.

Admitted students may apply up to 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Degree Program in Mathematics must be approved by the Director of Graduate Study, must be specified on the Request for Accelerated Degree Program, and must be chosen from among the following courses:

Code	Title	Credit Hours
MAT 695	Mathematical Analysis	3
MAT 696	Mathematical Analysis	3

STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	3
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	3

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program.

All degree requirements for the M.A. in Mathematics will remain the same.

Mathematics, B.S.

Mathematics is an excellent major for the student whose immediate objective is to acquire a strong liberal arts education. Graduates may go on to work as an actuary with insurance companies; as a data analyst with pharmaceutical, biotechnology, or health care companies; as a quality assurance specialist with engineering companies; or in government agencies such as FDA, EPA, NSA, or USDA.

The B.S. program is more technically oriented than the B.A. program.

It provides solid preparation for work or study in mathematics or a related field. Students wanting to go to graduate school are encouraged to consider the Accelerated Degree Program (ADP) (p. 348) to earn a B.S. and M.A. in 5 years. Strong students can graduate with Disciplinary Honors (p. 345).

An undergraduate degree in mathematics also provides excellent preparation for graduate studies in many areas, including actuarial sciences, computer science, economics, engineering, law, mathematics, operations research, and statistics. The major can be specialized to allow preparation for any of these goals.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum grade of C (2.0) required for all CSC, MAT, and STA courses to count toward the major.
- Students planning to pursue graduate study should contact their advisor as soon as possible to prepare a plan of study

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Mathematics
- Statistics

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Mathematics Concentration Requirements		
Code	Title	Credit Hours
Core Courses		21
MAT 191	Calculus I	
MAT 292	Calculus II	
MAT 293	Calculus III	
MAT 310	Elementary Linear Algebra	
MAT 394	Calculus IV	
MAT 490	Senior Seminar in Mathematics	
STA 290	Introduction to Probability and Statistical Inference	
Additional Mathematics Courses		12
MAT 253	Discrete Mathematical Structures	
MAT 311	Introduction to Abstract Algebra	
MAT 390	Ordinary Differential Equations	
MAT 395	Introduction to Mathematical Analysis	
Advanced Mathematics Courses		6
Two MAT courses at the 400-level. One course chosen from the following:		
MAT 422	Introductory Functional Analysis	
MAT 425	Intermediate Mathematical Analysis	
MAT 440	Introductory Complex Analysis	
One additional MAT course at the 400-level		
Mathematical Sciences Courses		9
CSC 427	Numerical Analysis and Computing	
CSC 452	Theory of Computation	
CSC 454	Algorithm Analysis and Design	
Any MAT or STA course 300 level or above		
Interdisciplinary Courses		8
Choose one of the subject options below		
Physics		
PHY 291 & PHY 292	General Physics I with Calculus and General Physics II with Calculus	
Chemistry		
CHE 111 & CHE 112 & CHE 114 & CHE 115	General Chemistry I and General Chemistry I Laboratory and General Chemistry II and General Chemistry II Laboratory	
Biology		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	

* The following courses are not eligible:

- MAT 303
- MAT 304
- MAT 413

† Counts toward GEC GMT requirement.

Statistics Concentration Requirements		
Code	Title	Credit Hours
Core Courses		21
MAT 191	Calculus I	
MAT 292	Calculus II	
MAT 293	Calculus III	
MAT 310	Elementary Linear Algebra	
MAT 394	Calculus IV	
MAT 490	Senior Seminar in Mathematics	
STA 290	Introduction to Probability and Statistical Inference	
Required		9
CSC 130 or CSC 230	Introduction to Computer Science or Elementary Data Structures and Algorithms	
STA 301	Statistical Methods	
STA 352	Statistical Inference	
Additional STA Courses		9
Select three additional STA courses at the 300 level or above. *		
Additional Courses		6
Two additional courses chosen from the following: **		
CSC 427	Numerical Analysis and Computing	
CSC 425	Bioinformatics	
MAT 253	Discrete Mathematical Structures	
MAT 311	Introduction to Abstract Algebra	
MAT 353	Introduction to Discrete Mathematics	
MAT 390	Ordinary Differential Equations	
MAT 395	Introduction to Mathematical Analysis	
MAT 431	Combinatorial Analysis	
MAT 441	Stochastic Processes	
MAT 442	Stochastic Processes	
MAT 486	Financial Mathematics for Actuaries	
Any STA 300-level or above course		
Recommended ¹		6
ISM 218	Database Systems	
ENG 327	Writing for Professionals and Entrepreneurs	

* One of the courses must be at the 400 level.

** Or any STA course at the 300 level or above.

¹ The department also recommends these courses and course work in an area of application beyond the GEC requirements (e.g., Biology, Psychology, etc.)

† Counts toward GEC GMT requirement.

Accelerated B.A. or B.S. to M.A. in Mathematics

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. or B.S. in Mathematics may apply for admission to the Accelerated Degree and the M.A. in Mathematics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at

UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants are also required to take the Graduate Record Examination. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the M.A. program in Mathematics.

Admitted students may apply up to 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of “B” (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Degree Program in Mathematics must be approved by the Director of Graduate Study, must be specified on the Request for Accelerated Degree Program, and must be chosen from among the following courses:

Code	Title	Credit Hours
MAT 695	Mathematical Analysis	3
MAT 696	Mathematical Analysis	3
STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	3
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	3

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Mathematics will remain the same.

Mathematics Undergraduate Minor

Students with a major in another department can strengthen their degree by adding a Minor in Mathematics. A mathematics minor enhances your resumé by providing training in a field that employers value.

The Minor in Mathematics is designed for students who want to learn more about mathematical sciences in support of their personal interests or major area of study. It offers students the opportunity to explore connections among mathematical ideas and to further develop mathematical ways of thinking. While the major will often be in a field which makes significant use of mathematics, such as a science or economics, it may be in any area of study.

Program Requirements

- Minimum of 15 credit hours

The minor in mathematics consists of at least 15 credits of work as specified below. Only CSC, MAT, or STA courses in which grades of C or better (not C-) are earned will be counted toward the minor.

Code	Title	Credit Hours
MAT 191	Calculus I	
MAT 292	Calculus II	
MAT 310	Elementary Linear Algebra	
or MAT 353	Introduction to Discrete Mathematics	

Select 6 credits at the 200 level or above, consisting of any MAT or STA courses that count toward the MATH major

Statistics Undergraduate Minor

The Minor in Statistics is designed to enable students with an interest in statistics to deepen their knowledge and thus strengthen their major in another field. A statistics minor enhances your resumé by providing training in a field that employers value.

While the major will often be in a field which makes use of statistics, such as business, economics, a quantitative social science or a health science, it may be in any area of study.

Program Requirements

The minor in statistics consists of at least 15 credit hours of work as specified below. Only courses in which grades of C or better (not C-) are earned will be counted toward the minor.

- Minimum of 15 credits

Code	Title	Credit Hours
STA 290	Introduction to Probability and Statistical Inference	
STA 301	Statistical Methods	

Select three additional STA courses at the 300 level or above

Mathematics, M.A.

The Master of Arts in Mathematics degree has five concentrations: Mathematics, Applied Statistics, Data Analytics, Actuarial Mathematics, and Teaching College Mathematics. The programs provide advanced training in these areas. Although it is often a terminal degree, the M.A. degree can also be viewed as a natural step towards a Ph.D. degree.

Students who plan to continue to the Ph.D. program in Computational Mathematics (p. 354) are urged to elect the concentration in Mathematics. They may then use the doctoral qualifying examinations to satisfy the comprehensive examination requirement in the non-thesis option for the M.A. degree.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a 500-700 word Personal Statement to be considered for admission.

Degree Program Requirements

Actuarial Mathematics Concentration

Required: 30 credit hours

The M.A. in Mathematics with concentration in Actuarial Mathematics provides students wishing to pursue a career in actuarial science a solid foundation in Applied Probability and Statistical Models and their applications in the area of actuarial science. It is designed to help students pass the preliminary actuarial exams while providing

educational experiences related to the actuarial field. Students will be encouraged to seek internship opportunities during the summer. The concentration requires 30 credit hours and is offered with a project. At least 15 credits must be at the 600-level or above.

The target student population for this program will be students with a bachelor's degree in mathematics, statistics, economics, finance, or a related field who want to pursue an actuarial industry to advance their career.

Code	Title	Credit Hours
Required Foundations and Methods Courses (12 credits)		
STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3
STA 655	Applied Probability Models	3
MAT 686	Financial Mathematics for Actuaries	3
Elective Courses (15-18 credits)		
<i>Actuarial Exam and Applied Statistics Courses</i>		
Select at least 9 credits of Actuarial Exam and Applied Statistics courses:		9
STA 642	Statistical Computing	
STA 665	Analysis of Survival Data	
STA 635	Theory of Linear Regression	
STA 691	Actuarial Exam Preparation Seminar	
STA 670	Categorical Data Analysis	
STA 671	Multivariate Analysis	
STA 682	Theory of Time Series	
<i>Other Applied Statistics Courses</i>		
Select at most 6 credits from any other STA 600-level courses or the following: *		6
ECO 641	Microeconomics	
ECO 646	Macroeconomics	
ISM 671	Organizing Data for Analytics	
ISM 645	Principles of Predictive Analytics	
MBA 702	Financial and Managerial Accounting	
MBA 707	Financial Management	
Project (Capstone Experience) (3 credits)		
STA 698	Project in Statistics **	3
Total Credit Hours		30

* *Excluding the STA 600 courses listed above and STA 651 Mathematical Statistics, STA 652 Mathematical Statistics, STA 667 Statistical Consulting, STA 668 Consulting Experience, STA 690 Graduate Seminar, and STA 699 Thesis.*

** *Each student is required to complete a project under the direction of an advisor chosen by the Director of Graduate Study in consultation with the student. 3 credits of STA 698 Project in Statistics will be included in the 30 credits required for the concentration.*

Applied Statistics Concentration

Required: 30 credit hours

Undergraduate prerequisites: Baccalaureate degree and the following courses or their equivalents: STA 290 Introduction to Probability and Statistical Inference and STA 301 Statistical Methods; MAT 191 Calculus

I and MAT 292 Calculus II; and CSC 130 Introduction to Computer Science or CSC 230 Elementary Data Structures and Algorithms.

Code	Title	Credit Hours
Foundation Courses (7 credits) ¹		
STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3
STA 640	SAS System for Statistical Analysis	1
Core Courses (8 credits)		
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	3
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	3
STA 668	Consulting Experience	1
STA 690	Graduate Seminar	1
Statistics Electives (6-9 credits)		
Select at least two courses from the following:		6-9
STA 670	Categorical Data Analysis	
STA 671	Multivariate Analysis	
STA 673	Statistical Linear Models I	
STA 674	Statistical Linear Models II	
STA 675	Advanced Experimental Design	
STA 676	Sample Survey Methods	
STA 677	Advanced Topics in Data Analysis and Quantitative Methods	
STA 711	Experimental Course	
Interdisciplinary Electives (0-6 credits)		
Select 0-6 credits from any STA course at the 500-level or above or from the following: ²		0-6
CSC 625	Bioinformatics	
CSC 627	Numerical Analysis and Computing	
ECO 663	Predictive Data Mining	
ECO 664	Time Series and Forecasting	
ERM 669	Item Response Theory	
ERM 729	Advanced Item Response Theory	
ERM 731	Structural Equation Modeling in Education	
HEA 602	Epidemiology Methods	
MAT 631	Combinatorial Analysis	
MAT 641	Stochastic Processes	
MAT 642	Stochastic Processes	
Thesis, Project, or Comprehensive Exam (Capstone Experience) (6 credits)		
Each student must elect to complete a thesis, project, or comprehensive exam. Each option requires 30 credits total.		0-6
<i>Thesis Option (6 credits) ³</i>		
<i>Project Option (3 credits) ⁴</i>		
<i>Comprehensive Exam Option (0 credits) ⁵</i>		
Total Credit Hours		21-36

NOTE: All students must complete 30 credit hours for the Applied Statistics concentration, M.A. in Mathematics. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

- ¹ Students who have complete these courses as part of another degree prior to being accepted in the master's program will choose replacement courses.
- ² Students can earn the remaining credits required for the degree either by taking any STA courses at the 500 level or above or by taking a maximum of 6 credits of approved graduate courses outside of statistics.
- ³ A student may prepare a thesis based on the investigation of a topic in statistics. A thesis director will be appointed by the Department Head after consultation with the student and the Director of Graduate Study. Students will include 6 credits of thesis (STA 699) or 3 credits of STA 698 Project in Statistics and 3 credits of STA 699 in the 30 credits required for the concentration. An oral examination on the thesis is required.
- ⁴ A student who does not prepare a thesis must complete a project under the direction of an advisor chosen by the Director of Graduate Study in consultation with the student. Three credits of STA 698 Project in Statistics will be included in the 30 credits required for the concentration.
- ⁵ A student may pass a written comprehensive examination of his/her program. Please consult with the Director of Graduate Study for information concerning the comprehensive examination. Under this option, 30 credits of coursework is required.

Thesis, Project, or Comprehensive Exam (Capstone Experience)

Each student must elect to complete a thesis, project, or comprehensive exam. Each option requires 30 credits total.

Thesis (6 credits)

A student may prepare a thesis based on the investigation of a topic in statistics. A thesis director will be appointed by the Department Head after consultation with the student and the Director of Graduate study. Students will include 6 credits of thesis (STA 699) or 3 credits of STA 698 Project in Statistics and 3 credits of STA 699 in the required 30 credits. An oral examination on the thesis is required.

Project (3 credits)

A student who does not prepare a thesis must complete a project under the direction of an advisor chosen by the Director of Graduate Study in consultation with the student. 3 credits of STA 698 Project in Statistics will be included in the 30 credits required for the concentration.

Comprehensive Exam (0 credits)

A student may pass a written comprehensive examination of his/her program. Please consult with the Director of Graduate Study for information concerning the comprehensive examination. Under this option, 30 credits of coursework is required.

Data Analytics Concentration

Required: 30 credit hours

The concentration in Data Analytics provides students with advanced analytical training to develop their ability to draw insights from big data, including: data collection, preparation and integration, statistical methods and modeling, and other techniques for analyzing complex data. The program is highly applied in nature, integrating project-based learning, simulations, case studies, and specific electives addressing the analytical needs of various industry sectors. The concentration requires a minimum of 30 credit hours including either a project (3 credits) or thesis (6 credits) option.

Code	Title	Credit Hours
Analytics Methods and Foundations (15 credits)		
STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3
STA 642	Statistical Computing	3
STA 673	Statistical Linear Models I	3
STA 703	Topics in High Dimensional Data Analysis	3
Analytics Applications (9-12 credits)		
Select at least two of the following:		6
STA 645	Nonparametric Statistics	
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	
STA 665	Analysis of Survival Data	
STA 670	Categorical Data Analysis	
STA 671	Multivariate Analysis	
STA 674	Statistical Linear Models II	
STA 677	Advanced Topics in Data Analysis and Quantitative Methods	
Select at most two of the following:		3-6
ECO 663	Predictive Data Mining	
ECO 664	Time Series and Forecasting	
ECO 725	Data Methods in Economics	
CSC 605	Data Science	
CSC 610	Big Data and Machine Learning	
CSC 625	Bioinformatics	
ISM 645	Principles of Predictive Analytics	
ISM 646	Visualizing Data to Design Strategy	
ISM 671	Organizing Data for Analytics	
Thesis, Project, or Comprehensive Exam (Capstone Experience) (0-6 credits)		
Each student must elect to complete a thesis, project, or comprehensive exam. Each options requires 30 credits total.		0-6
Thesis Option (6 credits) ¹		
Project Option (3 credits) ²		
Comprehensive Exam Option (0 credits) ³		
Total Credit Hours		24-33

NOTE: All students must complete 30 credit hours for the Data Analytics concentration, M.A. in Mathematics. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

- ¹ A student may prepare a thesis based on the investigation of a topic in statistics. A thesis director will be appointed by the Department Head after consultation with the student and the Director of Graduate Study. Students will include 6 credits of thesis (STA 699) or 3 credits of STA 698 Project in Statistics and 3 credits of STA 699 in the 30 credits required for the concentration. An oral examination on the thesis is required.

- ² A student who does not prepare a thesis must complete a project under the direction of an advisor chosen by the Director of Graduate Study in consultation with the student. Three credits of STA 698 Project in Statistics will be included in the 30 credits required for the concentration.
- ³ A student may pass a written comprehensive examination of his/her program. Please consult with the Director of Graduate Study for information concerning the comprehensive examination. Under this option, 30 credits of coursework is required.

Thesis, Project, or Comprehensive Exam (Capstone Experience)

Each student must elect to complete a thesis, project, or comprehensive exam. Each option requires 30 credits total.

Thesis Option (6 credits)

A student may prepare a thesis based on the investigation of a topic in statistics. A thesis director will be appointed by the Department Head after consultation with the student and the Director of Graduate Study. Students will include 6 credits of thesis (STA 699) or 3 credits of STA 698 Project in Statistics and 3 credits of STA 699 in the required 30 credits. An oral examination on the thesis is required.

Project Option (3 credits)

A student who does not prepare a thesis must complete a project under the direction of an advisor chosen by the Director of Graduate Study in consultation with the student. 3 credits of STA 698 Project in Statistics will be included in the 30 credits required for the concentration.

Comprehensive Exam Option (0 credits)

A student may pass a written comprehensive examination of his/her program. Please consult with the Director of Graduate Study for information concerning the comprehensive examination. Under this option, 30 credits of coursework is required.

Mathematics Concentration

Required: 30 credit hours

The Mathematics concentration offers a thesis option, a project option and a comprehensive exam option. Each option requires 30 credit hours. At least half the work credited towards the degree must be in 600-level or above courses.

Code	Title	Credit Hours
Algebra or Analysis (3 credits)		
Select one course (3 credits) from the following: ¹		3
MAT 635	Differential Equations and Orthogonal Systems	
MAT 691	Advanced Abstract Algebra	
MAT 692	Advanced Abstract Algebra	
MAT 695	Mathematical Analysis	
MAT 696	Mathematical Analysis	
Core Courses (9 credits)		
Select at least 9 credits from the following. At least 6 of these credits must constitute a complete year-long sequence: ⁹		9
MAT 723	Numerical Mathematics	
MAT 727	Linear Algebra and Matrix Theory	
MAT 728	Linear Algebra and Matrix Theory	
MAT 731		
MAT 732		
MAT 737	General Topology	

MAT 738	
MAT 741	Modern Abstract Algebra
MAT 742	Computational Number Theory
MAT 743	Complex Analysis
MAT 745	Real Analysis
MAT 746	Real Analysis
STA 651	Mathematical Statistics
STA 652	Mathematical Statistics
CSC 653	Advanced Theory of Computation
CSC 656	Foundations of Computer Science
Electives (12-21 credits)	
Select 12-21 credits of other 500-, 600-, or 700-level mathematical sciences courses with prior approval of the Director of Graduate Study	
Thesis, Project, or Comprehensive Exam (Capstone Experience) (0-6 credits)	
Each student must elect to complete a thesis or project, or pass a written comprehensive exam on their program of coursework. Each option requires 30 credits total.	
Thesis Option (6 credits) ²	
Project Option (3 credits) ³	
Comprehensive Exam Option (0 credits) ⁴	
Total Credit Hours	24-39

NOTE: All students must complete 30 credit hours for the Mathematics concentration, M.A. in Mathematics. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

- ¹ Students who have had appropriate algebra or analysis courses as undergraduates may be exempted from this requirement upon approval by the Director of Graduate Study. In this case, these 3 credits must be replaced by 3 credits chosen in consultation with the Director of Graduate Study.
- ² A student may prepare a thesis based on the investigation of a topic in mathematics. A thesis director will be appointed by the Department Head after consultation with the student and the Director of Graduate Study. Students may include up to 6 credits of thesis (STA 699) in the 30 credits required for the concentration. An oral examination on the thesis is required.
- ³ A student may prepare a project based on in-depth investigation of a topic in mathematics. A project director will be appointed by the Department Head after consultation with the student and the Director of Graduate Study. Students may include 3 credits of project (MAT 687 Project in Mathematics) in the 30 credit required for the concentration. A written report and an oral examination on the project are required.
- ⁴ A student who does not prepare a thesis must pass a written comprehensive examination of their program. Please consult with the Director of Graduate Study for information concerning the comprehensive examination.

Thesis, Project, or Comprehensive Examination (Capstone Experience)

Thesis Option (6 credits)

A student may prepare a thesis based on the investigation of a topic in mathematics. A thesis director will be appointed by the Department Head after consultation with the student and the Director of Graduate Study. Students may include up to 6 credits of thesis (MAT 699) in the 30

credits required for the concentration. An oral examination on the thesis is required.

Project Option (3 credits)

A student may prepare a project based on in-depth investigation of a topic in mathematics. A project director will be appointed by the Department Head after consultation with the student and the Director of Graduate Study. Students may include 3 credits of project (MAT 687 Project in Mathematics) in the 30 credits required for the concentration. A written report and an oral examination on the project are required.

Comprehensive Examination Option (0 credits)

A student who does not prepare a thesis must take 30 credits of coursework and pass a written comprehensive examination of their program. Please consult with the Director of Graduate Study for information concerning the comprehensive examination.

Teaching College Mathematics Concentration

Required: 30 credit hours

The concentration in Teaching College Mathematics is intended for students wishing to pursue a career in teaching at the community college level. This 30 credit hour concentration is offered with a project option or an exam option. At least half of the required credits (15 out of the 30) must be taken at the 600-level or above. Candidates must complete at least 18 credits of graduate coursework with an MAT prefix. The concentration has three components: The Mathematics and Statistics core courses; Pedagogy, Educational Research, and Higher Education; and the Capstone Experience (Project or Exam).

Code	Title	Credit Hours
Mathematics and Statistics Core Courses (18 credits)		
Candidates must take at least 18 credits of graduate-level courses with prefixes MAT or STA excluding MAT 503, 513, 601, 603, 699, and STA 699. These 18 credits must include at least one two-semester sequence: MAT 591 and 592, MAT 595 and 596, MAT 727 and 728, or STA 551 and 552.		18
Pedagogy, Educational Research, and Higher Education (9-12 credits)		
MAT 601	Seminar in the Teaching of Mathematics I	1
MAT 603	Practicum in the Teaching of Mathematics	2
Select 6-9 additional credits in the following courses:		6-9
MAT 503	Problem Solving in Mathematics	
MAT 513	Historical Development of Mathematics	
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	
ERM 605	Educational Measurement and Evaluation	
ERM 667	Foundations of Educational Measurement Theory	
HED 602	Student Development Theory in Higher Education	
HED 607		
HED 661		
Project or Comprehensive Exam (Capstone Experience) (0-3 credits)		
Each student must elect to complete a project or a comprehensive exam. Both options require 30 credits total.		0-3
<i>Project Option (3 credits)</i> ¹		

Comprehensive Exam Option (0 credits)²

Total Credit Hours	27-33
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NOTE: All students must complete 30 credit hours for the Teaching College Mathematics concentration, M.A. in Mathematics. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

- ¹ Students who select the project option must prepare a project on the investigation of a topic in mathematics or statistics. A project director will be appointed by the Department Head in consultation with the students the Director of Graduate Study. Candidates may include up to 3 credits of MAT 687 Project in Mathematics or STA 698 Project in Statistics in the required total for the concentration.
- ² A student who does not prepare a project must pass a written comprehensive examination of their program. Please consult with the Director of Graduate Study for information concerning the comprehensive examination.

Accelerated B.A. or B.S. to M.A. in Mathematics

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. or B.S. in Mathematics may apply for admission to the Accelerated Degree and the M.A. in Mathematics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants are also required to take the Graduate Record Examination. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the M.A. program in Mathematics.

Admitted students may apply up to 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Degree Program in Mathematics must be approved by the Director of Graduate Study, must be specified on the Request for Accelerated Degree Program, and must be chosen from among the following courses:

Code	Title	Credit Hours
MAT 695	Mathematical Analysis	3
MAT 696	Mathematical Analysis	3
STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	3
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	3

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program.

All degree requirements for the M.A. in Mathematics will remain the same.

M.A. Doctoral Track

The M.A. Doctoral Track offers exceptionally well-qualified applicants the opportunity to gain admission to the master's and doctoral programs simultaneously. This program is designed for students who would like to obtain their M.A. and then proceed directly to the Ph.D. program. Students accepted into the M.A Doctoral Track must fulfill all requirements for the M.A. and the Ph.D. and will earn both degrees. Students not accepted into the M.A. Doctoral Track may still be accepted into the M.A. only program.

Computational Mathematics, Ph.D.

In 2008, UNCG became the only university in the North Carolina system to offer a Ph.D. in Computational Mathematics. Following the advent of the computer, computational mathematics has emerged as an exciting, rapidly growing area of mathematics. Research in computational mathematics brings together computing power and theoretical mathematics. This challenging and rigorous program culminates in the defense of an original dissertation that is suitable for publication in a refereed journal. Upon completion of this degree the successful student will be capable of producing new results in their chosen area of research.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a 500-700 word personal statement to be considered for admission.

M.A. Doctoral Track

The M.A. Doctoral Track offers exceptionally well-qualified applicants the opportunity to gain admission to the master's and doctoral programs simultaneously. This program is designed for students who would like to obtain their M.A. and then proceed directly to the Ph.D. program. Students accepted into the M.A. Doctoral Track must fulfill all requirements for the M.A. and the Ph.D. and will earn both degrees. Students not accepted into the M.A. Doctoral Track may still be accepted into the M.A. only program.

Ph.D. Track

Students who enter with an M.A. in Mathematics are required to earn a minimum of 48 credit hours, pass the preliminary examination, obtain approval of a dissertation topic, and successfully defend their dissertation. Students entering with other advanced degrees will have their transcripts individually evaluated by the Director of Graduate Study to establish the minimum coursework required.

Degree Program Requirements

Required: 48 credit hours minimum

Code	Title	Credit Hours
Course Work (27-30 credits)		
Select 27-30 credits of advanced coursework (600-/700-level courses) in mathematics, statistics, and related areas *		27-30
Dissertation (18-21 credits)		

MAT 799	Dissertation	18-21
Total Credit Hours		45-51

NOTE: All students must complete 48 credit hours for the Ph.D. in Computational Mathematics. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

* The selection of coursework must be approved by the Director of Graduate Study.

Preliminary Examination

Each student must pass the doctoral preliminary exam, which consists of both a written and oral component. For the written part, the student must pass exams in two out of the following three topics: Mathematical Analysis, Linear Algebra and Matrix Theory, and Mathematical Statistics, and these written examinations will be administered by the Graduate Studies Committee. The oral part will be administered by the dissertation committee.

Dissertation Topic Proposal

Each student forms a dissertation committee in consultation with the Director of Graduate Study. With the help of the advisor, the student must propose a dissertation topic in a public oral presentation and defend the topic to their dissertation committee.

Dissertation Defense

Each student must present their completed dissertation research in a public oral presentation and defend the research to their dissertation committee.

Statistics, Doctoral Minor

The Doctoral Minor in Statistics is designed for Ph.D. students from a wide range of backgrounds to add a minor in statistics to their transcript. In today's world of data analytics and big data, being able to collect and analyze data is even more critical than ever before. Our department offers courses in both theory and application of statistical ideas and techniques to help students gain an edge in the workplace. Adding the Doctoral Minor in Statistics to your transcript will enhance your resume, your job options, and the depth and breadth of your future research projects.

Program Requirements

Required: 18 credit hours

Code	Title	Credit Hours
Required Courses (6 credits)		
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	3
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	3
Electives (12 credits)		
Select four additional 3-credit hour STA courses		12
Total Credit Hours		18

Statistics, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Statistics provides statistical training for persons who wish to enhance their knowledge of statistics but do not wish to pursue a formal degree and for professionals whose interests require a knowledge of statistics beyond the undergraduate level. The objective of the certificate is to offer a structured introduction to the basic ideas of graduate level statistical analysis.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (6 credit hours)		
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	3
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	3
Electives (6 credit hours)		
Select two additional 3-credit STA courses at the 500-level or above		6
Total Credit Hours		12

Media Studies

College of Arts and Sciences

210 Brown Building
336-334-5360
www.uncg.edu/mst

Kimberlianne Podlas, *Head of Department*
Frank Donaldson, *Director of Undergraduate Studies*

The Department of Media Studies offers a Bachelor of Arts in Media Studies. The Media Studies major is an integrated program of study that focuses on the creative production and critical consumption of a range of moving-image media. Majors have opportunities to study and produce narrative and documentary film, interdisciplinary media productions, fiction and non-fiction television, and news and video journalism. Students can customize their program of study, drawing from courses on various aspects of film, video, and digital media production; screenwriting; media theory, history, and criticism; and news reporting and analysis. This is enhanced by providing students with co-curricular opportunities to participate in on-campus media productions, the student-run campus radio station (WUAG), and other client-based and internship programs.

The Department also offers two minors: a non-production Film and Television Studies minor and a Radio minor, each requiring 18 credit hours of courses.

Professor
Matthew Barr^G
David A. Cook^G
Emily D. Edwards^G
Michael Frierson^G

Kimberlianne Podlas^G

Associate Professor
Jeffrey T. Adams^G

Assistant Professor
Jennida M. Chase

Senior Lecturer
Franklin P. Donaldson^G

Lecturer
Fausto Barrionuevo
John Mark Boschini
Tracy Lee Clemons
Wil Randolph Davis
Eric M Juth
Mary S Lopez
Caitlin A McCann
Hassan Bandele Pitts
David Lee Row
Heather Southern Vaughan
Ryan Andrew Walker
Kevin R Wells
Yan Yang

^G Graduate-level faculty

- Media Studies, B.A. (p. 355)
- Media Studies Undergraduate Minor (p. 357)
- Radio Undergraduate Minor (p. 357)

Media Studies Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors coursework in the major		6
3 credits of Honors coursework in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Media Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Jeffrey Adams at jtadams@uncg.edu for further information and guidance about Honors in Media Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Media Studies, B.A.

Criteria for Continuing in the Media Studies Major

Continuation in the Media Studies major is contingent upon the following requirements:

- 1. Only grades of C or better (C- is not accepted) taken in MST courses will count toward completion of a major or minor.
- 2. Adherence to all building and equipment policies and procedures.
- 3. Professional conduct and treatment of program equipment, including prompt payment of any charges assessed for equipment damage.
- 4. Compliance with all university regulations including the Academic Honor Policy. Plagiarism, submitting the same work to more than one class, falsified attendance records, etc., are grounds for dismissal from the major.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum 36 credits in Media Studies (all levels).
- Students must take the core requirements (12 credits) and eight additional courses (24 credits).

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Core Requirements		
MST 100	Understanding Media	
MST 205	Media Literacy	
MST 302	Introduction to Film History ¹	
or MST 303	History of Electronic Media	
Select one of the following:		
MST 407	Media Law and Ethics ¹	
MST 321	Topics in Film and Pop Culture	
MST 427	Topics in Film Studies	
MST 428	Topics in Electronic Media	
Additional Courses		
Select 24 credits from the following:		
MST 204	Media Writing	
MST 225	Film Appreciation	
MST 226	Television Appreciation	
MST 252	Creative Process in Film and Video	
MST 271	Introduction to Media Production	
MST 302	Introduction to Film History ¹	
MST 305	Digital Media	
MST 321	Topics in Film and Pop Culture	
MST 322	Media Programming	

MST 325	Gender and Media Culture
MST 326	News Analysis
MST 327	Non-Western Film: Asian
MST 330	Cult Films
MST 335	
MST 341	Broadcast Newswriting
MST 343	Creative Copywriting
MST 350	Writing for the Screen
MST 361	Radio and Television Announcing
MST 370	Single Camera Production I
MST 372	Media Sound Production
MST 373	TV and Film Lighting
MST 375	Editing I
MST 415	Film Theory
MST 420	History of Film to 1938
MST 421	History of Film since 1938
MST 423	Movies that Matter
MST 425	Media Organization and Management
MST 427	Topics in Film Studies
MST 428	Topics in Electronic Media
MST 441	Video Journalism
MST 450	Media Script Analysis
MST 451	Writing the Feature Film I
MST 452	Writing the Feature Film II
MST 453	Advanced Media Writing
MST 459	Doing Visual History
MST 480	Directing for Television
MST 481	Dance on Video
MST 487	Animation Production
MST 488	Documentary Production
MST 468	Sportscasting
MST 470	Single Camera Production II
MST 471	Editing II
MST 483	Advanced Media Production
MST 485	Client Based Production
MST 424	Media Financing and Distribution

* These courses may be used if not used to meet core requirements.

Strong Minor or Second Major

Media Studies majors are encouraged to develop a strong minor or second major in a related area of communication (e.g., Art, Communication Studies, English, etc.), a modern foreign language, or a content area (e.g., History, Psychology, Sociology, etc.).

Additional Major Electives

Media Studies majors may also take practicum and/or advanced courses as additional major electives, such as listed below.

Code	Title	Credit Hours
Practicums [*]		
MST 190	WUAG Workshop	
MST 195	Spartan Television Workshop	
MST 399	Independent Study	

MST 490	Advanced WUAG Workshop
MST 495	Advanced Spartan Television Workshop
MST 497	Advanced Media Production Practicum
Internship	
MST 492	Media Internship

* *Practicum registrations are for individual or group work conducted under the supervision of a teaching assistant or a faculty member.*

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Media Studies Undergraduate Minor Program Requirements

- Minimum of 18 credit hours

Subject to space availability.

Code	Title	Credit Hours
<i>Required</i>		
MST 100	Understanding Media	
<i>Select a minimum of 15 credits from the following:</i>		
MST 205	Media Literacy	
MST 225	Film Appreciation	
MST 226	Television Appreciation	
MST 302	Introduction to Film History	
MST 303	History of Electronic Media	
MST 305	Digital Media	
MST 321	Topics in Film and Pop Culture	
MST 322	Media Programming	
MST 325	Gender and Media Culture	
MST 326	News Analysis	
MST 327	Non-Western Film: Asian	
MST 330	Cult Films	
MST 335		
MST 407	Media Law and Ethics	
MST 420	History of Film to 1938	
MST 423	Movies that Matter	
MST 428	Topics in Electronic Media	
MST 415	Film Theory	
MST 421	History of Film since 1938	
MST 425	Media Organization and Management	
MST 427	Topics in Film Studies	

Radio Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours

Subject to space availability.

Code	Title	Credit Hours
<i>Required</i>		
MST 100	Understanding Media	
<i>Select a minimum of 15 credits from the following:</i>		
MST 190	WUAG Workshop	
MST 204	Media Writing	
MST 205	Media Literacy	
MST 303	History of Electronic Media	
MST 305	Digital Media	
MST 322	Media Programming	
MST 326	News Analysis	
MST 341	Broadcast Newswriting	
MST 343	Creative Copywriting	
MST 361	Radio and Television Announcing	
MST 399	Independent Study	
MST 372	Media Sound Production	
MST 407	Media Law and Ethics	
MST 425	Media Organization and Management	
MST 428	Topics in Electronic Media	
MST 468	Sportscasting	
MST 490	Advanced WUAG Workshop	

Philosophy

College of Arts and Sciences

239 Curry Building

336-334-5059

www.uncg.edu/phi

Gary Rosenkrantz, *Head of Department*

The Department of Philosophy offers courses on the fundamental problems and methods of philosophy, the classics of philosophical literature, and the major figures in the history of philosophy.

Philosophy courses fall into natural groups. See Philosophy Course Groups as listed in the Philosophy Major.

Groups A and B are useful preparation for careers in law and government, and the department offers a major in philosophy with a Prelaw concentration. Group B provides knowledge and skills vital to careers in science and medicine. Group C relates philosophy to other humanistic disciplines and is vital to a liberal education. Group D is necessary for advanced work in philosophy.

All courses under 300 and many higher level courses are open to students without previous training in philosophy. Prerequisites for courses may be waived at the discretion of the instructor.

Students are encouraged to begin work in Philosophy by taking PHI 111, PHI 115, PHI 119, PHI 251, PHI 252, or PHI 310.

The department sponsors The Great Conversation, a series of talks by UNC Greensboro Philosophy faculty and other distinguished scholars. Lectures by philosophers from other institutions are also offered. There is an informal philosophy club that is open to all undergraduates, regardless of major. The department also holds a biannual symposium on a topic of current research in philosophy (when the budget allows).

We are now able to offer financial assistance to Philosophy majors planning to study abroad through our Wyatt Lee Martin Memorial Fund. Please contact the Department for information about this opportunity.

There is a chapter of the national philosophy honor society, Phi Sigma Tau, at UNC Greensboro. Qualified students are invited to join this chapter.

Each March the department considers submissions from undergraduates for the Roger Schwirck Award for Excellence in Philosophy.

Professor

Gary Rosenkrantz^G
Michael Zimmerman^G

Associate Professor

Heather Joy Gert^G
Janine C. Jones^G

Assistant Professor

Jeffrey I Kaplan
Insa Rebekka Lawler^G
Derek John Skillings^G

Senior Lecturer

Richard L Jr. (Dr.) Gallimore
Wade M. Maki

Lecturer

Frances Bottenberg^G
Elliot Jonathan Goodine
Andrew Hamilton
Eva Deane Kort
Michael Barr Matteson
Falcon Edward Milazzo
Adam Mark Rosenfeld
Nicholas Donald Zavediuk

^G Graduate-level faculty

- Philosophy, B.A. (p. 358)
- Philosophical Ethics Undergraduate Minor (p. 359)
- Philosophy Undergraduate Minor (p. 359)
- Philosophy Second Academic Concentration (p. 360)

Philosophy Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
6 credits of Honors course work in the major		
3 credits of Honors course work in the major or another area		
HSS 490	Senior Honors Project	

Recognition

Receive a Certificate of Disciplinary Honors in Philosophy; have that accomplishment, along with the title of the Senior Honors Project, noted

on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Michael Zimmerman at m_zimme2@uncg.edu for further information and guidance about Honors in Philosophy. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Philosophy, B.A.

The Philosophy major is recommended for students wishing a basic education in the liberal arts, students preparing for a career in law or government, and students contemplating graduate study in philosophy or a related discipline. Students who would like to major in philosophy but whose interests or career goals require substantial work in another field are encouraged to consider the option of a second major.

The Prelaw concentration provides a strong preparation for law school through courses in logic, epistemology, ethics, political philosophy, and the philosophy of law. These courses cover a broad range of skills and knowledge that are of fundamental importance in the field of law.

Both the Philosophy major and the Prelaw concentration are available in traditional as well as online formats.

Philosophy Course Groups

Code	Title	Credit Hours
Ethics and Theory		
PHI 119	Introduction to Ethics	
PHI 121	Contemporary Moral Problems	
PHI 220	Medical Ethics	
PHI 321	Ethical Theory	
PHI 322	Philosophy of the Arts	
PHI 331	Social and Political Philosophy	
PHI 335	Philosophy of Law	
PHI 361	Ethical Issues in Business	
Logic Epistemology and Philosophy of Science		
PHI 115	Critical Thinking	
PHI 310	Introduction to Formal Logic	
PHI 319	Knowledge, Truth, and Belief	
PHI 325	Introduction to the Philosophy of Science	
PHI 424	Philosophy of Social and Behavioral Science	
PHI 426	Philosophy of Physical Science	
PHI 474	Advanced Logic	
History of Philosophy		
PHI 251	History of Ancient Philosophy	
PHI 252	History of Modern Philosophy	
PHI 351	Major Philosophers	
Metaphysics		
PHI 359	Philosophy of Religion	
PHI 357	Metaphysics	
PHI 458	Philosophy of Mind	

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum of 27 credits in philosophy courses, including at least 24 credits above the 100 level and at least 18 credits above the 200 level.

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	
	College of Arts and Sciences Additional Requirements (LEC) (p. 249)	

Major Requirements

Code	Title	Credit Hours
Required		12
PHI 310	Introduction to Formal Logic	
PHI 251	History of Ancient Philosophy [†]	
PHI 252	History of Modern Philosophy	
PHI 494	Senior Capstone Course	

[†] Counts toward GEC GHP requirement.

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Prelaw

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Prelaw Concentration Requirements

Code	Title	Credit Hours
Required		3
PHI 115	Critical Thinking	
Select		3
Select one of the following:		
PHI 319	Knowledge, Truth, and Belief	
PHI 325	Introduction to the Philosophy of Science	
Select [*]		3
Select one of the following:		
PHI 119	Introduction to Ethics	
PHI 121	Contemporary Moral Problems	
PHI 220	Medical Ethics	
PHI 321	Ethical Theory	
Required		3
PHI 331	Social and Political Philosophy	
Select		3
Select one from the following:		
BLS 362	Vice, Crime, and American Law	

PHI 335	Philosophy of Law
PHI 336	Philosophy of Crime and Punishment

^{*} Note that if a student uses a 100-level course to satisfy this requirement, the minimum number of credits in Philosophy needed to complete the Prelaw Concentration increases from 27 to 30 credits.

Philosophical Ethics Undergraduate Minor

Program Requirements

The Minor in Philosophical Ethics requires a minimum of 18 credit hours in philosophy including PHI 321 Ethical Theory and 3 additional courses from those listed below, with at least one of the three coming from each of the two categories.

- Minimum of 18 credits

Code	Title	Credit Hours
<i>Required</i>		
PHI 321	Ethical Theory	
Select three additional courses, with at least one of the three coming from each of the two categories from the following:		
<i>Applied Ethics:</i>		
PHI 121	Contemporary Moral Problems	
PHI 220	Medical Ethics	
PHI 361	Ethical Issues in Business	
PHI 363	Environmental Ethics	
PHI 420	Advanced Topics in Biomedical Ethics	
<i>Ethical Theory:</i>		
PHI 119	Introduction to Ethics	
PHI 331	Social and Political Philosophy	
PHI 335	Philosophy of Law	
PHI 336	Philosophy of Crime and Punishment	
PHI 338	Ethics and International Affairs	
PHI 445	Social Philosophy	

Additional Options

The courses below may also count toward the completion of three classes in Applied Ethics and Ethical Theory with the permission of both the instructor and the head of the philosophy department*. Students should be aware that permission will be granted only when the course focuses primarily on ethics.

^{*} These courses may not be substituted for PHI 321 Ethical Theory.

Eligible Courses

Code	Title	Credit Hours
PHI 301	Topics in Philosophy	
PHI 351	Major Philosophers	
PHI 402	Independent Study	
PHI 494	Senior Capstone Course	

Philosophy Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
<i>Select a minimum of 18 credits including the following:</i>		
PHI 251	History of Ancient Philosophy	
PHI 252	History of Modern Philosophy	

Philosophy Second Academic Concentration

The second academic concentration in Philosophy is designed specifically for Elementary Education Majors.

Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Core Courses		9
PHI 251	History of Ancient Philosophy	
PHI 252	History of Modern Philosophy	
PHI 310	Introduction to Formal Logic	
Upper Level Courses		9
Select 9 credits from PHI courses above the 200 level		

Physics and Astronomy

College of Arts and Sciences

321 Petty Building
336-334-5844
<http://physics.uncg.edu>

Edward Hellen, *Head of Department*

Physics and astronomy have long been recognized as constituting the basis for study, research, and understanding in the natural sciences. The undergraduate major program seeks to provide the student with a broad and general background in all areas of physics. With this background, the student should be able to adapt readily to the specialized requirements of a job in industry, as a teacher, or to the specialized graduate study in physics or a number of related fields. Opportunities are provided through electives to sample the concerns of many of these related fields.

The effort required for a non-scientist to understand our technological society is formidable, but essential if an educated man or woman is to intelligently understand and affect our natural surroundings. Recognizing this, the Department of Physics and Astronomy offers for the non-major, with no prerequisites, courses with an overview of physics as well as special interest courses dealing with topics of immediate concern.

Its faculty members are involved with students in research in computer simulation and computational physics, biophysics, observational astrophysics and digital image analysis, and science education research. The department uses and administers the Three College Observatory, located in a nearby dark-sky location. This observatory contains the

state's largest (32 inch) reflecting telescope, along with a low light-level image acquisition system.

Non-Major Courses

Courses with no prerequisites that offer an overview of physics as well as special interest courses dealing with topics of immediate concern.

Code	Title	Credit Hours
AST 233	Astronomy: The Solar System	
AST 235	Astronomy: Stars and Galaxies	
PHY 205	Conceptual Physics	
PHY 333	Selected Topics	

Professor

William Gerace, *Helena Gabriel Houston Distinguished Professor for Science Education*^G
Anatoly Miroshnichenko^G

Associate Professor

Ian D Beatty^G
Edward H. Hellen^G
Promod R. Pratap^G

Assistant Professor

Alicia N Aarnio

Lecturer

Ron Belmont
A.J. D Covell
Joel C. Shaw

^G *Graduate-level faculty*

- Physics, B.A. (p. 360)
- Physics, B.S. (p. 361)
- Physics Undergraduate Minor (p. 363)
- Physics and Astronomy Second Academic Concentration (p. 363)

Physics, B.A.

The Physics Major is a firm basis for a career in medicine, law, business, sales, engineering, teaching, computing, biophysics, environmental science, or physics.

Students who elect physics as a major must complete specific courses no later than the end of their sophomore year. Any student who desires to major in physics should contact the head of the department as soon as possible so a proper schedule can be planned.

Specific Courses

Students who elect physics as a major must complete these courses no later than the end of their sophomore year.

Code	Title	Credit Hours
<i>Select one of the following options:</i>		
<i>Option A:</i>		
PHY 291	General Physics I with Calculus	
PHY 292	General Physics II with Calculus	
<i>Option B:</i>		

PHY 211	General Physics I
PHY 212	General Physics II
MAT 293	Calculus III

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum of 27 credits in Physics courses above the 100 level.
- Students must have at least a 2.0 GPA for the required Physics and Mathematics courses.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Core Courses		27
PHY 291	General Physics I with Calculus	
PHY 292	General Physics II with Calculus	
PHY 311	Intro to Experimental Methods	
PHY 321	Introduction to Modern Physics	
PHY 323	Mechanics	
PHY 325	Electricity and Magnetism I	
PHY 327	Thermal Physics	
PHY 351	Intro to Computational Physics	
PHY 401	Physics Senior Seminar	
Related Area Requirements		26
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory [†]	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
CSC 120	Introduction to Computer Programming for Non-Majors	
MAT 191	Calculus I ^{††}	
MAT 292	Calculus II	
MAT 293	Calculus III	
MAT 390	Ordinary Differential Equations	
MAT 394	Calculus IV	

[†] Counts toward GEC GNS requirement.

^{††} Counts toward GEC GMT requirement.

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Physics Major with Comprehensive Science High School Teaching Licensure

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Physics Major with Comprehensive Science High School Teaching Licensure Concentration Requirements

The Comprehensive Science High School Licensure (PHYS) program provides a strong background in physics as well as licensure for high school physics teaching. In addition, successful completion of this program qualifies candidates to teach other high school science subjects as well.

Code	Title	Credit Hours
Additional Requirements for Teacher Licensure		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
GES 103	Introduction to Earth Science	
<i>Select one of the following:</i>		
GES 111	Physical Geology	
GES 205	Environmental Change: Its Nature and Impact	
GES 319	Weather and Climate	
GES 314	Physical Geography: Landscape Processes	
Required [*]		27
TED 435	Literacy in the Content Area	
ERM 401	Assessment I: Accountability in Our Nation's Schools	
ERM 402	Assessment II: Standardized Tests	
ERM 403	Assessment III: Classroom Assessment	
TED 401	Child and Adolescent Development and Learning	
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	
TED 403	Teaching English Learners with Diverse Abilities	
TED 445	Human Diversity, Teaching, and Learning	
TED 459	Teaching Practices and Curriculum in Science	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	
Recommended		
LIS 120	Introduction to Instructional Technology for Educational Settings (strongly recommended)	

^{*} The courses listed must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.

[†] Counts toward GEC GNS requirement.

^{††} Counts toward GEC GMT requirement.

Physics, B.S.

The Physics Major is a firm basis for a career in medicine, law, business, sales, engineering, teaching, computing, biophysics, environmental science, or physics.

Students who elect physics as a major must complete specific courses no later than the end of their sophomore year. Any student who desires to major in physics should contact the head of the department as soon as possible so a proper schedule can be planned.

Specific Courses

Students who elect physics as a major must complete these courses no later than the end of their sophomore year.

Code	Title	Credit Hours
<i>Select one option of the following:</i>		
<i>Option A:</i>		
PHY 291	General Physics I with Calculus	
PHY 292	General Physics II with Calculus	
<i>Option B:</i>		
PHY 211	General Physics I	
PHY 212	General Physics II	
MAT 293	Calculus III	

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum of 39 credits in Physics courses above the 100 level.
- Students must have at least a 2.0 GPA for the required Physics and Mathematics courses.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Core Courses		27
PHY 291	General Physics I with Calculus	
PHY 292	General Physics II with Calculus	
PHY 311	Intro to Experimental Methods	
PHY 321	Introduction to Modern Physics	
PHY 323	Mechanics	
PHY 325	Electricity and Magnetism I	
PHY 327	Thermal Physics	
PHY 351	Intro to Computational Physics	
PHY 401	Physics Senior Seminar	
Additional Requirements		12
Select 12 credit hours of PHY courses at the 400 level.		
Related Area Requirements		26
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory [†]	

CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory
CSC 120	Introduction to Computer Programming for Non-Majors
MAT 191	Calculus I ^{††}
MAT 292	Calculus II
MAT 293	Calculus III
MAT 390	Ordinary Differential Equations
MAT 394	Calculus IV

[†] Counts toward GEC GNS requirement.

^{††} Counts toward GEC GMT requirement.

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Physics Major with Comprehensive Science High School Teaching Licensure

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Physics Major with Comprehensive Science High School Teaching Licensure Concentration Requirements

The Comprehensive Science High School Licensure (PHYS) program provides a strong background in physics as well as licensure for high school physics teaching. In addition, successful completion of this program qualifies candidates to teach other high school science subjects as well.

Code	Title	Credit Hours
Additional Requirements for Teacher Licensure		
BIO 111	Principles of Biology I	
BIO 112	Principles of Biology II	
GES 103	Introduction to Earth Science	
<i>Select one of the following:</i>		
GES 111	Physical Geology	
GES 205	Environmental Change: Its Nature and Impact	
GES 319	Weather and Climate	
GES 314	Physical Geography: Landscape Processes	
<i>Required [*]</i>		
TED 435	Literacy in the Content Area	
ERM 401	Assessment I: Accountability in Our Nation's Schools	
ERM 402	Assessment II: Standardized Tests	
ERM 403	Assessment III: Classroom Assessment	
TED 401	Child and Adolescent Development and Learning	
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	
TED 403	Teaching English Learners with Diverse Abilities	
TED 445	Human Diversity, Teaching, and Learning	
TED 459	Teaching Practices and Curriculum in Science	
TED 465	Student Teaching: Secondary School	

TED 466 Student Teaching Seminar

Recommended

LIS 120 Introduction to Instructional Technology for Educational Settings (strongly recommended)

* The courses listed must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See online Secondary Education Handbook for more information.

† Counts toward GEC GNS requirement.

†† Counts toward GEC GMT requirement.

Physics Undergraduate Minor Program Requirements

- Minimum of 15 credit hours

A minimum of 15 credits in physics courses is required for the minor in Physics, to be planned in consultation with a physics faculty member.

The usual physics minor program will consist of the components as listed below. Other quite different programs may be ed to the individual student's interests and objectives.

Code	Title	Credit Hours
<i>Select one of the following:</i>		
PHY 291 & PHY 292	General Physics I with Calculus and General Physics II with Calculus	
PHY 211 & PHY 212	General Physics I and General Physics II	
<i>Select at least 7 credits of additional courses *</i>		

* May not include the following:

- AST 233
- AST 235
- PHY 205
- PHY 333

Physics and Astronomy Second Academic Concentration

Physics and Astronomy Second Academic Concentration for Elementary Education with K–6 Teacher Licensure, B.S.

The second academic concentration in Physics and Astronomy is designed specifically for Elementary Education and Special Education Majors.

Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		
PHY 205	Conceptual Physics	18
AST 209		

AST 235 Astronomy: Stars and Galaxies

PHY 211 General Physics I (or PHY 211A (COURSE INACTIVE))

PHY 212 General Physics II (or PHY 212A (COURSE INACTIVE))

Physics and Astronomy Second Academic Concentration for Special Education: General Curriculum, B.S.

The second academic concentration in Physics and Astronomy is designed specifically for Elementary Education and Special Education Majors.

Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		18
PHY 205	Conceptual Physics	
AST 209		
AST 235	Astronomy: Stars and Galaxies	
PHY 211	General Physics I	
PHY 212	General Physics II	

Political Science

College of Arts and Sciences

324 Curry Building
336-334-5989
www.uncg.edu/psc

Gregory McAvoy, Head of Department
Hunter Bacot, Director of Graduate Study

Political science is the study of the government, politics and policies of the United States and other nations; of levels of government, such as city and state, within those nations; and of relationships among nations. It studies the political behavior, attitudes, and ideas of groups and individuals.

All 100- and 200-level courses are introductions to the study of political science. Beginning students are urged to take any 100- or 200-level course in which they may be interested.

Students seeking electives in political science may select from almost the entire range of offerings. Non-majors are urged to select their electives widely to satisfy individual intellectual interests and are not restricted to 100- and 200-level courses.

Internships and field experiences are available to both majors and non-majors in national government, nonprofit agencies, public administration, and electoral politics.

Professor
Hunter Bacot
William E. Crowther^G
Ruth H DeHoog^G
Franklin D. Gilliam

Fabrice Lehoucq^G
Gregory E. McAvoy^G
Charles L. Prysby^G
Jerry Pubantz^G

Associate Professor
Allison Faye Bramwell^G
David B. Holian^G
Susan W. Johnson^G
Kenneth A Klase^G
Tamaki Onishi^G

Assistant Professor
Michael Broache
Patrick T Giamario

Senior Lecturer
M. Jeffrey Colbert
A. Leigh Sink

Lecturer
J. Alan Boyette^G
Gerard Anthony Carter
Tony G. Letrent-Jones^G
Thomas H. Little
Elizabeth McNamara
Kevin M Redding
Barron L Thompson
Laura Williams

^G Graduate-level faculty

- Political Science, B.A. (p. 364)
- Political Science Undergraduate Minor (p. 366)
- Political Science Second Academic Concentration (p. 366)
- Public Affairs, M.P.A. (p. 366)
- Political Science, M.A. (p. 368)
- Nonprofit Management, Post-Baccalaureate Certificate (p. 368)
- Urban and Economic Development, Post-Baccalaureate Certificate (p. 369)

Political Science Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- A grade of at least B in all course work used to satisfy the Honors requirement in Political Science
- Declared Political Science Major
- Minimum overall 3.30 GPA at graduation

Code	Title	Credit Hours
Select 3 credits at the 200 level or above		
Select at least 3 credits at the 300 level or above		
PSC 493	Honors Work	
HSS 490	Senior Honors Project	

Recognition

The designation “Completed Disciplinary Honors in Political Science” and the title of the Senior Honors Project will be printed on the student’s official transcript.

Honors Advisor

See Honors Faculty liaison Jerry Pubantz for further information and guidance about Honors in Political Science.

Political Science, B.A.

The Political Science Major is suitable for students with career interests in law, politics, or governmental service (at local, state, or federal levels), as well as for students who have more general intellectual interests in government, politics, and international relations as part of their effort to obtain a liberal education or to prepare for careers in business or nonprofit work.

Students should take a broad variety of courses in the major to become familiar with the diversity of topics and methods used by contemporary political scientists throughout the world. Majors should consult early with their faculty advisors to plan programs most suitable to their individual interests and needs.

Students seeking teacher licensure should see School of Education Licensure Programs. Licensure in social studies is available for political science majors. Additional hours may be required for completion of the degree.

The American Politics concentration provides Political Science majors with sufficient breadth and depth of knowledge in American political institutions and behavior to give students the academic background necessary to succeed in related jobs and professions and to prepare them for advanced study in this field.

The Global Politics concentration provides Political Science majors sufficient breadth and depth of knowledge in international relations and comparative politics to give students the academic background necessary to succeed in related jobs and professions and to prepare them for advanced studies in these fields.

The Prelaw concentration is designed for political science majors with a strong interest in law. The concentration provides majors with a breadth and depth of knowledge of legal issues and legal research, rigorously prepares them for advanced studies in law, and trains them for the legal professions using a broad variety of skills relating to legal institutions and particular subject areas related to law.

The Public Affairs concentration provides Political Science majors sufficient breadth and depth of knowledge in public policy, public affairs, and public administration to give students the academic background necessary to succeed in related jobs and professions and to prepare them for advanced studies in these fields.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Core Courses		12
<i>Required</i>		
PSC 200	American Politics [†]	
PSC 240	The International System [†]	
PSC 260	Introduction to Comparative Politics	
PSC 301	Research Methods in Political Science	

Concentration

Select one of the concentrations as detailed following the major requirements.

- American Politics
- Global Politics
- Prelaw
- Public Affairs

Electives

Courses in other social sciences and in history are recommended. Electives sufficient to complete the 120 credit hours required for the degree must be taken.

American Politics Concentration Requirements

In partial fulfillment of the major requirement of 18 credits at the 300 level or higher, the American Politics concentration requires 12 credits selected from the courses listed below.

Code	Title	Credit Hours
<i>Select 12 credits from the following:</i>		
PSC 322	American State Politics	
PSC 327	American Political Parties	
PSC 328	North Carolina and Southern Politics	
PSC 329	American Interest Group Politics	
PSC 330	Internship in Campaigns and Elections	
PSC 332	Elections and Voting	
PSC 333	The U.S. Congress	
PSC 334	The American Presidency	
PSC 337	Politics and the Media	

Global Politics Concentration Requirements

In partial fulfillment of the major requirement of 18 credits at the 300 level or higher, the Global Politics concentration requires 12 credits of course work selected from categories A and B listed below. The student must complete at least 3 credits in each category.

Code	Title	Credit Hours
<i>Select 12 credits, with at least 3 credits in each category, from the following:</i>		
<i>Category A:</i>		
PSC 341	International Law	
PSC 342	American Foreign Policy	
PSC 344	Politics of Globalization	
PSC 347	International Security	
PSC 348	International Organization	
<i>Category B:</i>		
PSC 350	Democratic Political Systems	
PSC 352	Nationalism and Ethnic Politics	
PSC 354	Post-Conflict Politics	
PSC 355D	Selected Topics in Comparative Politics: Politics of Industrial Societies	
PSC 355J	Selected Topics in Comparative Politics: Middle East Politics	
PSC 355K	Selected Topics in Comparative Politics: Russian Politics	
PSC 355M	Selected Topics in Comparative Politics: Political Economy	
PSC 355N	Selected Topics in Comparative Politics: European Union	
PSC 355P	Selected Topics in Comparative Politics: Politics of Latin America	
PSC 391	African Political Systems	
PSC 392	The Politics of South Africa Through Film and Literature	

Prelaw Concentration Requirements

In partial fulfillment of the major requirement of 18 credits at the 300 level or higher, the Prelaw concentration requires the items detailed below.

Code	Title	Credit Hours
<i>Required</i>		
PSC 316	Judicial Process	
<i>Select 9 credits of the following:</i>		
PSC 280	Introduction to Law	
PSC 312	Environmental Law and Policy	
PSC 313	Natural Resources Law and Policy	
PSC 318	Constitutional Law	
PSC 320	Civil Liberties	
PSC 336	Women and the Law	
PSC 341	International Law	
<i>Qualified:</i>		
PSC 300	Special Topics [*]	
PSC 399	Public Affairs Internship [*]	

^{*} The courses listed qualify only when approved by the department as an appropriate prelaw-related course.

Public Affairs Concentration Requirements

In partial fulfillment of the major requirement of 18 credits at the 300 level or higher, the Public Affairs concentration requires the completion of 12

credits with choices of courses in public policy, public administration, and public affairs as detailed below.

Code	Title	Credit Hours
Select 12 credits from the following:		
PSC 210	Introduction to Public Policy	
PSC 310	Public Administration	
PSC 311	The Nonprofit Sector and Governance	
PSC 312	Environmental Law and Policy	
PSC 316	Judicial Process	
PSC 322	American State Politics	
PSC 323	Urban Politics	
PSC 329	American Interest Group Politics	
PSC 333	The U.S. Congress	
PSC 334	The American Presidency	
PSC 399	Public Affairs Internship	

† Counts toward GEC GSB requirement.

Political Science Undergraduate Minor

The student should select courses to best suit intellectual and career interests, in consultation with a member of the Political Science faculty.

Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
Required		
PSC 200	American Politics	
A student may minor in political science by taking PSC 200, plus at least 12 credit hours of course work in political science at the 200 level or above.		

Political Science Second Academic Concentration

The second academic concentration in Political Science is designed specifically for Elementary Education Majors.

Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		
PSC 105	Exploring Political Issues	
PSC 200	American Politics	
PSC 210	Introduction to Public Policy	
PSC 240	The International System	
PSC 260	Introduction to Comparative Politics	
PSC 270	Introduction to Political Theory	

Public Affairs, M.P.A.

Community and Economic Development, Local Government Management, and Nonprofit Management Concentrations

The Master of Public Affairs requires 40 credit hours and is intended for persons interested in public service careers in local, state, and federal agencies; private, nonprofit agencies and voluntary organizations; public affairs offices in private businesses; and legislative staff positions. It provides professional training designed to meet current demands in public service positions and build the foundation for long-term development and advancement in a public service career. The M.P.A. program is accredited by the Network of Schools of Public Policy, Affairs and Administration (NASPAA).

The program provides a foundation in the major substantive areas of public affairs: policy-making and policy analysis; administration, management and organizational behavior; quantitative analysis and evaluation; and the political context of public administration. Beyond these areas, students can declare a concentration or take a mix of electives in the department and up to 9 credits in other departments (e.g., geography, conflict and peace studies, public health education).

Students with no work experience in public or nonprofit agencies must complete an additional 3 hour supervised internship, along with a field research project.

The M.P.A. degree is linked to the Bachelor of Arts in economics and the Bachelor of Arts in political science so that a student may earn both degrees in approximately five years. Undergraduates must be formally admitted to one of these programs. Please see the appropriate departmental listing in the Undergraduate Bulletin for the details of these accelerated programs of study.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement. See www.uncg.edu/psc/mpa/ for the form.

GRE required, though the MAT may be substituted if the applicant has been out of college 3 or more years. The test requirement is waived for applicants with a 3.5 or better overall undergraduate GPA from a regionally accredited university.

Degree Program Requirements

Required: 40-43 credit hours

Prerequisite

The program requires students to have completed an undergraduate course in American government, politics, or public policy.

Core Courses

The eight required courses are to be taken in approximately the following order, when possible. Consult an advisor for specific sections of 511.

Code	Title	Credit Hours
Core Courses (23 credits)		
PSC 511J	Topics in Public Affairs: Legal Issues in Public Administration	1

PSC 600	Public Administration and Management	3
PSC 601	Politics of Public Policy	3
PSC 602	Quantitative Analysis and Program Evaluation	3
PSC 603 & 603L	Budgeting and Fiscal Administration and Budget Analysis Laboratory	4
PSC 604	Public Personnel Management	3
PSC 612	Organizational Behavior and Leadership	3
PSC 611	Program and Policy Evaluation	3
Electives (17 credits)		
Select 17 credits from the following: *		17
PSC 510	Topics in Public Policy	
PSC 511	Topics in Public Affairs	
PSC 520	Urban Political System	
PSC 540	Nonprofit Management and Leadership	
PSC 560	Special Topics in Public Administration	
PSC 613	Local Government Administration	
PSC 615	Human Resource Development and Performance Management	
PSC 620	Urban and Regional Development Policy	
PSC 630	Community and Economic Development Theory and Practice	
PSC 645	Nonprofit Financial Management and Budgeting	
PSC 650	Philanthropy and Resource Development	
Total Credit Hours		40

* Students may take up to 9 credits from approved graduate courses in other departments.

Experiential Component

Students not having approved prior work experience will complete a supervised internship (PSC 695) in a public or nonprofit agency for 3-6 credits, depending on the duration of the placement, together with a directed field study (PSC 696). Students with prior work who desire experience in a new area of public affairs may choose to complete an internship as well.

Comprehensive Examination (Capstone Experience)

The required exam consists of two parts:

1. A written essay examination (based on core courses) when halfway through the graduate program, and
2. A summary of learning paper completed near the end of graduate work.

Community and Economic Development Concentration

This concentration combines the M.P.A. core requirements with courses emphasizing the knowledge and skills to prepare students to work in organizations focusing on community and economic development activities. The prerequisite, comprehensive exam, and the experiential component are the same as for the M.P.A.

Code	Title	Credit Hours
Required Courses (13 credits) *		
PSC 511J	Topics in Public Affairs: Legal Issues in Public Administration	1
PSC 520	Urban Political System	3

PSC 620	Urban and Regional Development Policy	3
PSC 630	Community and Economic Development Theory and Practice	3
GES 602 or ENT 610	Entrepreneurial Urban Planning	3
Electives (5 credits)		
With the approval of the Director of Graduate Study, students may select additional course work from political science or other departments, such as geography, sociology, business administration, or economics.		5
Internship (3-6 credits)		
PSC 695	Public Affairs Internship **	3-6
Total Credit Hours		21-24

* Students must complete all of the M.P.A. core courses including the required research tools course. Students will need to consult with an advisor for specific section of 511. They must also complete 15 credits of coursework related to community and economic development skills and knowledge.

** An internship (PSC 695 Public Affairs Internship) is required for students who have no prior experience in a professional or management position in community and economic development.

Local Government Management Concentration

This concentration combines the M.P.A. core requirements with courses emphasizing the knowledge and skills to prepare students to work as local government managers. The prerequisite, comprehensive exam, and experiential component are the same as for the M.P.A.

Code	Title	Credit Hours
Required Courses (6 credits) *		
PSC 520	Urban Political System	3
PSC 613	Local Government Administration	3
Electives (11 credits)		
Students complete an additional 11 hours of elective coursework. Nine of these elective hours together with the 6 hours of required concentration courses listed above complete a 15 hour concentration in local government management.		11
Internship (3 credits)		
PSC 695	Public Affairs Internship **	3
Total Credit Hours		20

* Students must complete all of the M.P.A. core courses including the required research tools course (23 credits). For the concentration, they must complete 6 credits of required coursework related to local government management skills and knowledge.

** An internship (PSC 695 Public Affairs Internship) is required for students who have no prior experience in a professional or management position in a government agency.

Electives

Recommended courses include:

Code	Title	Credit Hours
PSC 510K	Topics in Public Policy: Ethics in Public Policy	3
PSC 511	Topics in Public Affairs	1

PSC 560	Special Topics in Public Administration	1-3
PSC 630	Community and Economic Development Theory and Practice	3
GES 602 or ENT 610	Entrepreneurial Urban Planning	3

With the approval of the Director of Graduate Study, students may select additional coursework from political science or other departments, such as geography, sociology, business administration, or economics. Students will need to consult with an advisor on specific sections of 510, 511 and 560.

Nonprofit Management Concentration

This concentration combines the M.P.A. core requirements with courses emphasizing the knowledge and skills to prepare students to work in or with the nonprofit sector. The prerequisite, comprehensive exam, and the experiential component are the same as for the M.P.A.

Code	Title	Credit Hours
Required Courses (9 credits) *		
PSC 540	Nonprofit Management and Leadership	3
PSC 650	Philanthropy and Resource Development	3
Select three of the following (3 credits):		3
PSC 511B	Topics in Public Affairs: Marketing for Public and Nonprofit Agencies	
PSC 511D	Topics in Public Affairs: Strategic Planning	
PSC 511G	Topics in Public Affairs: Grant Writing	
PSC 511V	Topics in Public Affairs: Volunteer Management	
Electives (9 credits)		
With the approval of the Director of Graduate Study, students may select courses from political science or up to 9 credits in other departments, such as social work; gerontology; or sociology.		9
Internship		
PSC 695	Public Affairs Internship **	3
Total Credit Hours		21

* *Students must complete all but one of the M.P.A. core courses. The research tools requirement in the M.P.A. core will be met by PSC 611 Program and Policy Evaluation. They must also complete 15 credits of coursework related to nonprofit management skills and knowledge.*

** *An internship (PSC 695 Public Affairs Internship) is required for students who have no prior experience in a professional or management position in a nonprofit agency.*

M.P.A. with Post-Baccalaureate Certificate in Gerontology

Students with an interest in public service work related to the elderly and meeting the needs of an aging society may complete elective course work in the M.P.A. degree by jointly completing the Post-Baccalaureate Certificate in Gerontology.

Political Science, M.A.

The M.A. in Political Science requires 30 credit hours and is for persons who wish to teach in community colleges and secondary schools or continue graduate study in a doctoral program or a professional school.

Course offerings and the thesis focus on public administration and policy.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement.

Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Required Courses (6 credits)		
PSC 601	Politics of Public Policy *	3
PSC 602	Quantitative Analysis and Program Evaluation *	3
Electives (24 credits)		
Select 24 credits from departmental offerings. Up to 6 credits may be taken as independent study courses.		24
Total Credit Hours		30

* *Must be taken in the first 18 credits.*

Thesis

See Director of Graduate Study for details.

Code	Title	Credit Hours
PSC 699	Thesis	1-6

Comprehensive Examination (Capstone Experience)

A written comprehensive examination is required when 18 credits of coursework have been completed.

Nonprofit Management, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Nonprofit Management requires 15 credit hours and is designed to meet the training needs of nonprofit professionals. Certificate graduates will be prepared for management positions in the nonprofit sector, including positions in human service agencies, foundations, or professional associations. The certificate program may be useful to government and business professionals who have significant voluntary or nonprofit agency responsibilities.

The program combines core courses and electives that allow a student some tailoring to specific interests with courses available online and/or on campus. At least 12 credits must be taken in the M.P.A. curriculum. A portfolio demonstrating skills and competencies acquired through course work in the program must be submitted and approved for completion of the certificate. If the portfolio is judged unacceptable, no more than one additional attempt to satisfy the requirement is permitted. If the student fails to meet the department's minimum criteria for the portfolio on the second attempt, The Graduate School will be notified and will send the student a letter of dismissal.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement and a resume.

Certificate Program Requirements

Required: 15 credit hours

Code	Title	Credit Hours
Core Requirements (9 credits)		
PSC 540	Nonprofit Management and Leadership	3
PSC 645	Nonprofit Financial Management and Budgeting	3
PSC 650	Philanthropy and Resource Development	3
Choice Requirements (3 credits)		
Select three of the following:		3
PSC 511B	Topics in Public Affairs: Marketing for Public and Nonprofit Agencies	
PSC 511D	Topics in Public Affairs: Strategic Planning	
PSC 511G	Topics in Public Affairs: Grant Writing	
PSC 511N	Topics in Public Affairs: Nonprofit Law	
PSC 511V	Topics in Public Affairs: Volunteer Management	
Electives		
Select 3 credit hours		3
Total Credit Hours		15

Electives

Students must take 3 credits in a combination of one-hour courses (PSC 511 Topics in Public Affairs): strategic planning, marketing, legislative relations, volunteer management, media relations, oral communication skills, grant writing, nonprofit law; and/or a 3 credit course from the M.P.A. curriculum or approved courses outside the department in human development and family studies, social work, public health, business administration, and/or counseling, etc.

Urban and Economic Development, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Urban and Economic Development requires 18 credit hours and is offered jointly by the departments of Political Science and Geography. It is designed to meet the training needs of those currently working in or planning to work in urban planning or community and economic development.

This certificate requires courses emphasizing the knowledge and skills to prepare students to work in organizations focusing on urban planning and community economic development activities in government and nonprofit organizations.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement.

Certificate Program Requirements

Required: 18 credit hours

Code	Title	Credit Hours
Required Core Courses (12 credits)		
<i>Geography</i>		
Select two of the following (6 credits):		6
GES 602	Entrepreneurial Urban Planning	
or ENT 610	Entrepreneurial Urban Planning	
GES 605	Regional Planning	
GES 632	Geography of Livable Cities	
<i>Political Science</i>		
Select two of the following (6 credits):		6
PSC 520	Urban Political System	
PSC 620	Urban and Regional Development Policy	
PSC 630	Community and Economic Development Theory and Practice	
Electives (6 credits)		
Select two of the following:		6
GES 602	Entrepreneurial Urban Planning	
or ENT 610	Entrepreneurial Urban Planning	
GES 603	Understanding Geographic Information Systems	
GES 605	Regional Planning	
GES 622	GIS Applications in Urban Planning	
GES 631	Transportation Planning	
GES 632	Geography of Livable Cities	
PSC 511D	Topics in Public Affairs: Strategic Planning	
PSC 511G	Topics in Public Affairs: Grant Writing	
PSC 511P	Topics in Public Affairs: Program Evaluation	
PSC 520	Urban Political System	
PSC 613	Local Government Administration	
PSC 620	Urban and Regional Development Policy	
PSC 630	Community and Economic Development Theory and Practice	
Total Credit Hours		18

Psychology

College of Arts and Sciences

296 Eberhart Building
336-334-5013
www.uncg.edu/psy

Stuart Marcovitch, *Head of Department*
Michael J. Kane, *Director of Graduate Study*
Kari Eddington, *Director of Undergraduate Study*

The Department of Psychology approaches its subject matter as a scientific discipline with emphasis placed on understanding behavior and cognition through experimentation and observation.

We offer broad training in psychology that can prepare students for the working world and graduate training in most major branches of psychology. We offer specialized training in the major areas of psychology, including clinical psychology, cognitive psychology, social psychology, personality psychology, developmental psychology, biological psychology, and quantitative and research skills.

The objectives of the curriculum are:

1. To provide an understanding of the use of scientific methodology in psychological research at both intermediate and advanced levels. This understanding will include a familiarity with the design of observational, survey, and experimental studies; principles of inference from scientific data; the logic of statistical testing; and the scientific literature.
2. To provide basic knowledge in primary areas of the discipline through an array of required intermediate-level core courses;
3. To develop depth of understanding in areas of the discipline specific to students' individual interests;
4. To ensure that students can write clearly and effectively in an appropriate professional style.

In addition to the B.A. and B.S. programs for undergraduates, the department has a Ph.D. program and a terminal M.A. program for graduate students.

Students who wish to seek teacher licensure should see School of Education Licensure Programs as well as below. Such persons should contact the departmental Director of Undergraduate Studies as early as possible.

The Psychology Department offers two graduate training tracks—a terminal M.A. in general experimental psychology and a PhD with specializations in clinical, cognitive, developmental, and social psychology. Students may apply to either or both tracks. The M.A. degree is earned as part of the doctoral programs. The clinical program has been continuously accredited by the American Psychological Association since its initial accreditation in 1982. The next site visit is in 2021.

At both levels, the objective is to provide the combination of a sound scholarly foundation with methodological and practical skills that will enable the student to function in a variety of academic, research, and service settings. The program has four major areas of concentration:

- Clinical (Eddington, Jensen, Keane, Mendez Smith, Nelson-Gray, Stein, Vrshek-Schallhorn, and Wisco)—includes research training and clinical training in a variety of service settings.
- Cognitive (Delaney, Guttentag, Kane, Marcovitch, Touron and Wahlheim)—includes basic research in human memory, attention, cognition, and language.
- Developmental (Boseovski, DeJesus, Guttentag, Johnston, Keane, Marcovitch, Touron and Wahlheim)—includes basic research in behavioral, cognitive, language, and social development in infant, child, adolescent, and adult humans and in animals.
- Social (Baker, Boseovski, Cassidy, Silvia, and Zell)—includes basic research in social phenomena, e.g., aggression, attitudes, communication, gender relations, intergroup comparison, and social competence.

The goal of the terminal M.A. program is the conferral of the Master of Arts degree. Those who successfully complete the terminal M.A., however, may apply to the Ph.D. program. In addition, students with master's degrees from other institutions are welcome to apply to the Ph.D. program. Past work from other M.A. programs is evaluated to determine which requirements of our program have been satisfied.

The Psychology Department has additional policies and procedures that are described in the Psychology Graduate Student Handbook,

which is accessible electronically at https://psy.uncg.edu/wp-content/uploads/2018/08/Graduate-Student-Handbook_2018-2019.docx.

Professor

Rosemary N. Gray^G
 Robert E. Guttentag^G
 Timothy D. Johnston^G
 Michael J. Kane, *Professor and Nicholas A. Vacc and Nance N. Vacc Distinguished Professor*^G
 Susan P. Keane^G
 Stuart Marcovitch^G
 Terri L. Shelton, *Carol Jenkins Mattocks Distinguished Professor*^G
 Paul Silvia, *Professor/Lucy Spinks Kecker Excellence Professor*^G
 Julia M Smith^G
 Dayna R. Touron^G

Associate Professor

Janet J. Boseovski^G
 Peter Delaney^G
 Kari Merrill Eddington^G
 Douglas W. Levine^G
 Gabriela Livas Stein^G
 Ethan Zell^G

Assistant Professor

Levi Robert Baker-Russell^G
 Brittany S Cassidy^G
 Jasmine Marie DeJesus^G
 Michaeline Rae Jensen^G
 Shaylene Elizabeth Nancekivell^G
 Suzanne Vrshek-Schallhorn^G
 Christopher N Wahlheim^G
 Robert W Wiley^G
 Blair E Wisco^G

Senior Lecturer

Ashleigh Haire Gallagher
 Pamela R. Ladrow

Lecturer

Emily Marie Carrigan
 Sara J Estle
 Joanna Lee Mussey
 Michelle Russell^G

Academic Professional

Jason Leon Herndon^G

^G *Graduate-level faculty*

- Psychology, B.A. (p. 371)
- Psychology, B.S. (p. 372)
- Psychology Undergraduate Minor (p. 372)
- Psychology Second Academic Concentration (p. 373)
- Psychology, M.A. (p. 373)
- Psychology, M.A./Ph.D. (p. 373)
- Psychology, Ph.D. (p. 375)

Psychology Disciplinary Honors Requirements

- At least 12 credit hours in psychology as detailed below.
- 3.30 or greater cumulative GPA at graduation
- 3.30 or greater GPA in Psychology
- A declared Psychology Major

Code	Title	Credit Hours
Select 6 credits from the following:		6
PSY 401	Academic Writing in Psychology	
PSY 410	Intermediate Psychological Statistics	
PSY 495	Senior Honors Seminar	
PSY 415	History and Systems of Psychology	
PSY 419	Special Topics in Psychology *	
Both courses below in the order listed.		
PSY 493	Honors Independent Study	
HSS 490	Senior Honors Project	

* These courses may be taken more than once for credit to satisfy this requirement.

Recognition

The designation “Completed Disciplinary Honors in Psychology” and the title of the Senior Honors Project will be printed on the student’s official transcript.

Honors Advisor

Contact Janrt Boseovski at jjboseov@uncg.edu for further information and guidance about Honors in Psychology.

Psychology, B.A.

The Psychology Major provides a background for entry into a variety of professions other than psychology where understanding the principles of behavior and cognition is important. It also provides the necessary background for individuals planning to do graduate work in either basic or applied psychology.

The curriculum provides students with a structured, sequenced exposure to six core areas in psychology. These are: behavior analysis; biopsychology; clinical psychology; cognitive psychology; development psychology; and, social psychology. Majors must sample from at least four domains at the intermediate (200) level, but can choose a narrower or broader sampling of upper level courses. The curriculum also affords hands-on experience with scientific psychology via laboratory courses and field experiences.

The Psychology Major for the Bachelor of Science degree serves students who want additional training in science, math, statistics, and research methods relative to the Bachelor of Arts degree.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum 35 credits in psychology.

- Students must earn a grade of at least C- in all psychology courses required for the major.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Required		6
PSY 121	General Psychology [†]	
PSY 122	Careers in Psychology	
Intermediate-level core courses		12
Select four from the following:		
PSY 230	Biological Psychology	
PSY 240	Principles of Learning	
PSY 250	Developmental Psychology	
PSY 260	Psychological Perspectives on Social Psychology	
PSY 265	Theories of Personality	
PSY 275	Introduction to Clinical Psychology	
PSY 280	Cognitive Psychology	
Required		
PSY 310	Statistics in Behavioral Science Research	
PSY 311	Research Methods in Psychology	
PSY 311L	Research Methods in Psychology: Lab	
Upper-level courses		
Select a minimum of four additional PSY courses at the 300 level or above [*]		

* Must include at least two courses as the 400 level or above. Students may not complete GSB requirements solely with courses in Psychology.

PSY 433 may not be used to fulfill this requirement.

[†] Counts toward GEC GSB requirement.

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Psychology with Social Studies High School Teaching Licensure

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Psychology with Social Studies High School Teaching Licensure Concentration Requirements

Students majoring in psychology may elect to pursue teacher licensure in Social Studies. Completion of teacher licensure will enable one who wishes to teach Social Studies curricula in the secondary schools to gain the background for teaching psychology courses as well. See the requirements for completion of Teacher Licensure in Social Studies

under School of Education Licensure Programs. The university, college, and departmental major requirements are the same as for any other psychology major. Additional semester hours may be required for completion of the degree.

Those intending to gain teacher licensure are encouraged to choose electives in Sociology, Philosophy, Religious Studies, or Anthropology that address human behavior and experiences from complementary or, perhaps, alternative perspectives.

Psychology, B.S.

The Psychology Major provides a background for entry into a variety of professions other than psychology where understanding the principles of behavior and cognition is important. It also provides the necessary background for individuals planning to do graduate work in either basic or applied psychology.

The curriculum provides students with a structured, sequenced exposure to six core areas in psychology. These are: behavior analysis; biopsychology; clinical psychology; cognitive psychology; development psychology; and, social psychology. Majors must sample from at least four domains at the intermediate (200) level, but can choose a narrower or broader sampling of upper level courses. The curriculum also affords hands-on experience with scientific psychology via laboratory courses and field experiences.

The Psychology Major for the Bachelor of Science degree serves students who want additional training in science, math, statistics, and research methods relative to the Bachelor of Arts degree.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum 44 credits in psychology.
- Students must earn a grade of at least C- in all psychology courses required for the major.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Required		6
PSY 121	General Psychology [†]	
PSY 122	Careers in Psychology	
Select four from the following:		12
PSY 230	Biological Psychology	
PSY 240	Principles of Learning	
PSY 250	Developmental Psychology	
PSY 260	Psychological Perspectives on Social Psychology	
PSY 265	Theories of Personality	

PSY 275	Introduction to Clinical Psychology	
PSY 280	Cognitive Psychology	
Required		7
PSY 310	Statistics in Behavioral Science Research	
PSY 311	Research Methods in Psychology	
PSY 311L	Research Methods in Psychology: Lab	
Upper-level courses		12
Select a minimum of four additional PSY courses at the 300 level or above. [*]		
Additional courses		12
Select two courses in PSY at the 400 level or above in addition to the following: ^{**}		
PSY 410	Intermediate Psychological Statistics	

- ^{*} *Must include at least two courses at the 400 level or above. Students may not complete GSB requirements solely with courses in Psychology. PSY 433 may not be used to fulfill this requirement.*
- ^{**} *PSY 433 may count for a maximum of 3 credits.*
- [†] *Counts toward GEC GSB requirement.*

Related Area Requirements

- Two courses in math or science with a minimum grade of C- at the 200 level or above.
- May not use the courses taken to fulfill GEC and/or LEC requirements to meet this requirement.
- Choose courses from the following course prefixes: AST, ATY, BIO, CHE, CSC, ECO, ERM, GES, KIN, MAT, NTR, PHY, PSC, SOC, STA.

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Psychology Undergraduate Minor

The psychology minor complements study in a wide range of fields including anthropology, biology, business and marketing, community and therapeutic recreation, computer science, human development, mathematics, sociology, social work, exercise and sport science, education and counseling, and nursing.

Program Requirements

- 18 credit hours
- A grade of C- or better in all psychology courses required for the minor.

Code	Title	Credit Hours
Required		3
PSY 121	General Psychology	
Select a minimum of two psychology courses at the 200 level		6
Select one psychology course at the 400 level or above [*]		3
Select any two additional psychology courses [*]		6

- ^{*} *Excluding PSY 433*

Psychology Second Academic Concentration

Psychology Second Academic Concentration for Elementary Education with K–6 Teacher Licensure, B.S.

This second academic concentration in Psychology is designed specifically for Elementary Education and Physical Education Teacher Education students.

Requirements

- Minimum of 18 credit hours
- Three courses in PSY at the 200 level
- A minimum of three courses in PSY at the 300 level or above, including at least one course at the 400 level or above

Qualified

The course listed below may not be used to satisfy requirements for the concentration in Psychology.

Code	Title	Credit Hours
PSY 433	Research Experience in Psychology	

Psychology Second Academic Concentration for Physical Education and Health Teacher Education with K–12 Teacher Licensure, B.S.

This second academic concentration in Psychology is designed specifically for Elementary Education and Physical Education Teacher Education students.

Requirements

- Minimum of 18 credit hours
- Three courses in PSY at the 200 level
- A minimum of three courses in PSY at the 300 level or above, including at least one course at the 400 level or above

Qualified

The course listed below may not be used to satisfy requirements for the concentration in Psychology.

Code	Title	Credit Hours
PSY 433	Research Experience in Psychology	

Psychology, M.A.

General Experimental Psychology Concentration

The terminal M.A. in Psychology with a concentration in general experimental psychology requires 36 credit hours: 6 credits in two core courses, 11 credits of statistics and research methods, 3 credits of research practicum, 10 credits of electives, and 6 credits of thesis.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

For information on the application and admission, please see <https://psy.uncg.edu/graduate/applying/>.

Degree Program Requirements

Required: 36 credit hours

Degree requirements for students in the terminal M.A. program in Psychology with a concentration in general experimental psychology are identical to those for students in the M.A. portion of the M.A./Ph.D. program in Psychology with a Cognitive, Developmental, Social, or General Experimental concentration, with one exception: For students in the M.A./Ph.D. programs, only courses with grades of B or better may count toward the MA degree. Grades below B in courses to be counted toward the M.A. degree must be replaced either by re-taking the same course or by earning a grade of B or better in another course that the Department Head formally determines to be an equivalent course (upon consultation with the instructor(s) of the course in the Psychology department).

Code	Title	Credit Hours
Research Practicum (3 credits)		
PSY 605	First Year Research Practicum	3
Core Courses (6 credits)		
Select at least one core course from two of the five psychology core areas: *		6
<i>Developmental</i>		
PSY 703	Developmental Psychology	
<i>Social</i>		
PSY 704	Advanced Social Psychology	
<i>Biological</i>		
PSY 705	Physiology of Sensory and Behavioral Processes	
<i>Cognitive</i>		
PSY 706	Cognitive Processes	
<i>Clinical</i>		
PSY 707	Psychological Disorders in Children	
PSY 708	Psychological Disorders in Adults	
Statistics and Methodology (11 credits)		
PSY 609	Statistical Methods in Psychology I	4
PSY 610	Statistical Methods in Psychology II	4
PSY 624	Research Methods in Psychology	3
Additional Courses (10 credits)		
Select an additional 10 credits from 600-level psychology courses or, with the permission of the Director of Graduate Study, graduate level courses in other departments		10
Thesis (6 credits)		
PSY 699	Thesis (6 credits)	6
Total Credit Hours		36

* Only core courses in which a grade of B or better is earned will count toward the core course requirement.

Psychology, M.A./Ph.D.

Clinical Psychology Concentration

Clinical students in the M.A./Ph.D. track are required to satisfy all requirements for the M.A. degree in clinical psychology as well as all

requirements for the Ph.D. degree. A minimum of 45 credit hours is required for the M.A. The Ph.D. in Clinical Psychology requires 105 credit hours including internship hours (2 credits). All credits taken to satisfy the M.A. degree may be applied toward the Ph.D. degree requirements.

Students who receive an M.A. in Clinical Psychology from another institution will submit syllabi, thesis document, and other materials for review. The students will work closely with their advisor and the Director of Clinical Training to develop their doctoral plan of study. All courses taken at another institution are reviewed for course equivalence with our required courses. If deemed equivalent, the course requirement is waived. In addition, the thesis is reviewed by a committee of three faculty, and, if viewed as comparable in scope and theoretical focus to the UNC Greensboro thesis requirement, no additional thesis work will be required.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

For information on the application and admission, please see <https://psy.uncg.edu/graduate/applying/>.

It is important to note that the department does not accept students who seek a terminal M.A. degree in Clinical Psychology, only those seeking a Ph.D.

For clinical program students, course grades lower than a B cannot count toward either the M.A. degree or Ph.D. degree; these courses must be re-taken, or substitute courses taken. Course equivalents are decided according to departmental policy, which varies by course category (e.g. tools courses vs. clinical courses).

M.A. Degree Program Requirements

Required: 45 credit hours

Code	Title	Credit Hours
Research and Quantitative Analysis (17 credits)		
PSY 609	Statistical Methods in Psychology I	4
PSY 610	Statistical Methods in Psychology II	4
PSY 624	Research Methods in Psychology	3
PSY 699	Thesis	6
History and Systems of Psychology (1 credit)		
PSY 601	Graduate Problems in Psychology ¹	1
Profession-Wide Competencies (18 credits)		
PSY 707	Psychological Disorders in Children	3
PSY 708	Psychological Disorders in Adults	3
PSY 723	Evidence-based Practice with Children and Adolescents	3
PSY 725	Psychological Assessment in Adults	3
PSY 727	Theory and Methods of Behavioral Assessment and Therapy	3
PSY 728	Theory and Methods of Intellectual Assessment	3
Clinical Practicum Training (9 credits)		
PSY 741	Contemporary Practicum Topics ^{2, 3}	3
PSY 742	Practicum in Clinical Intervention ^{2, 3}	6
Total Credit Hours		45

¹ Academic transcript must list this course as "Historical Perspectives on Psychology as a Science" for licensure /accreditation.

² One credit must be taken in each of the three semesters beginning in the Spring semester of Year 1.

³ Topics include: Case Conceptualization, Supervision, Diversity, and Consultation.

Ph.D. Degree Program Requirements

Required: 105 credit hours

In addition to the M.A. requirements (45 credit hours), students must complete the following 60 credits:

Code	Title	Credit Hours
Discipline Specific Knowledge (Basic and Advanced Integrative) (6 credits)		
Students must select 2 courses from the following: ¹		6
PSY 735		
HDF 713	Social and Emotional Development	
GRO 621	Health and Aging	
HEA 662	Gender and Health	
Additional Profession-Wide Competencies Required for the Ph.D. (9 credits)		
PSY 724	Ethical Responsibilities of Clinical Psychologists	3
PSY 735J	Contemporary Problems	3
PSY 745	Multicultural Issues in Clinical Psychology	3
Additional Quantitative Course/Seminar Requirement for the Ph.D. (6 credits)		
Complete 6 credits including at least 3 credits from the following courses: ²		6
ERM 682	Multivariate Analysis	
ERM 685	R for Education and the Social Sciences	
ERM 731	Structural Equation Modeling in Education	
ERM 732	Hierarchical Linear Modeling	
Additional Ph.D. Research Requirements (21 credits)		
PSY 751	Independent Doctoral Research	6
PSY 761	Preliminary Examination: Integration Across at Least Two Areas Within Psychology	3
PSY 799	Doctoral Dissertation Research	12-24
Ph.D. Clinical Practicum Training (16 credits)		
PSY 741	Contemporary Practicum Topics ³	4
PSY 742	Practicum in Clinical Intervention ⁴	6
PSY 762	Advanced Practicum in Clinical Psychology	6
Required Internship Training (2 credits)		
PSY 763	Internship in Clinical Psychology ⁵	2
Total Credit Hours		60-72

NOTE: All students must complete 105 credit hours for the Ph.D. in Psychology, inclusive of credits completed for the M.A. as stated above. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

¹ Specific courses fulfilling this requirement are individually planned for each student in consultation with the doctoral planning committee and are determined in part by the student's pre-matriculation competencies and research and career goals.

Courses offered at sister institutions may also fulfill this requirement as deemed by the planning committee.

² Or another quantitative course approved by the doctoral planning committee. If only 3 credits of quantitative course work are taken (from the list of courses provided in the catalog for this requirement or a comparable course approved by the planning committee), then the student must also take 3 credits of PSY 735 covering a contemporary issue in the discipline of Psychology (i.e. covering Discipline-Specific Knowledge) or the integration of two or more areas within Psychology or a seminar outside the department approved by the committee. If 6 credits of quantitative course work are taken, then the requirement is satisfied.

³ Four credits minimum must be completed in addition to the M.A. requirement, one credit in each of four semesters.

⁴ In addition to the credits earned for the M.A.

⁵ One credit in each of two semesters.

Discipline Specific Knowledge (Basic and Advanced integrative)

Coverage of basic knowledge in 5 core areas of Psychology (Biological, Developmental, Social, Cognitive, and Affective) and advanced integration of this knowledge across at least two of these areas is evaluated and met through a variety of ways including: 1) formal graduate level coursework which builds on a student's pre-matriculation experiences and competencies, 2) laboratory based research, including the thesis and dissertation, and 3) preliminary examination paper and oral defense. In some cases, pre-matriculation competencies may fulfill the basic foundational requirement for one or more areas. Regardless of the specific way in which a student meets these requirements outside of formal coursework, a minimum of 2 graduate-level courses are required to complete this requirement.

Students select from a menu of courses, based on their pre-matriculation experiences and in consultation with the planning committee. At least 2 courses, each incorporating at least 2 of the basic core areas and including integration across the area, are required. In choosing from an array of courses, coverage of at least 4 different core areas must be attained. Students will obtain foundational coverage in the fifth basic area through other educational means (e.g., thesis prelim or dissertation, pre-matriculation competencies with graduate-level evaluation, etc.). Regardless of means of acquiring advanced integrative knowledge, all educational experiences are evaluated at the graduate level.

Specific courses fulfilling this requirement are individually planned for each student in consultation with the doctoral planning committee and are determined in part by the student's pre-matriculation competencies and research and career goals.

Additional Quantitative Course/Seminar Requirement for the Ph.D. Degree

Note that a minimum of 3 credits must be in the Quantitative area. If 6 credits are taken in Quantitative, no additional seminar is required. If only 3 credits are taken in the Quantitative area, the student must supplement their coursework with an additional seminar (a PSY 735 course either in clinical or within another area(s) of Psychology, or an outside seminar approved by the doctoral planning committee).

Psychology, Ph.D.

Cognitive, Developmental, Social, or General Experimental Psychology Concentration

Entry into the Ph.D. program requires an M.A. in Psychology from UNC Greensboro, or from another institution. For students continuing from the M.A. program at UNC Greensboro, only courses with grades of B or better may count toward the Ph.D. degree; grades below B in courses that were counted toward the M.A. degree must be replaced by either re-taking the same course or by earning a grade of B or better in a substitute course. Course equivalents are decided according to departmental policy, which varies by course category (e.g. tools courses vs. core courses). A minimum of 71 credits hours are required for the Ph.D. degree.

Students who receive an M.A. from another institution will submit syllabi, thesis document, and other materials for review to determine the portability of their MA degree. Typically, students earn credit for the M.A. degree and must complete remaining Ph.D. requirements and a minimum of 35 credits at UNC Greensboro.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

For information on the application and admission, please see <https://psy.uncg.edu/graduate/applying/>.

Degree Program Requirements

Required: 71 credit hours

Core Courses and Electives (47 credits minimum, including credits acquired in the M.A.)

In addition to core courses and electives taken to satisfy the M.A. requirements, students complete 18-30 credit hours in their area of concentration (cognitive, developmental, social or general experimental) and 18-30 credits outside their area of concentration. Of these credits, only 6 credits of independent study courses (PSY 601 Graduate Problems in Psychology) can be counted; at least an additional 3 credits of research tools courses beyond the M.A. statistics requirements must be taken; and at least four psychology seminars (PSY 735 (COURSE INACTIVE)) must be taken.

Research (24 credits minimum, including credits acquired in the M.A.)

In addition to the thesis completed to satisfy the M.A. requirements, all students complete the following:

Code	Title	Credit Hours
PSY 751	Independent Doctoral Research	1-6
PSY 799	Doctoral Dissertation Research	1-24
PSY 624	Research Methods in Psychology	3

Preliminary Examination

This examination is scheduled in consultation with the doctoral advisory committee.

Religious Studies

College of Arts and Sciences

109 Foust Building
336-334-5762

<http://rel.uncg.edu>

Gregory P. Grieve, *Head of Department*

The Department of Religious Studies investigates a variety of religious traditions, movements, and expressions that play important roles either historically or in contemporary cultures.

The Department teaches courses on such traditions as Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shinto, and Taoism. Historical studies include courses about religions in African, Asian, Middle East, European, and American (especially United States) history. Cultural and theoretical studies include courses on religious philosophies, ethics, and theologies; political, social, and psychological accounts of religious life; the role religion plays in politics, economics, social movements, arts, sciences, and diverse forms of personal conduct.

Professor

Gregory P. Grieve^G
Ellen Davina Haskell, *Professor and Herman and Zelda Bernard Distinguished Professor*^G
Derek Krueger, *Joe Rosenthal Excellence Professor*^G
Gene F. Rogers^G

Assistant Professor

Ashlee Norene Andrews
Alyssa Beth Gabbay^G

Senior Lecturer

David C McDuffie

Lecturer

Ana Cristina Oliveira Lopes
Andrew M Mbuvi
Samra Nissan
Michelle A Rosquillo

^G *Graduate-level faculty*

- Religious Studies, B.A. (p. 376)
- Islamic Studies Undergraduate Minor (p. 377)
- Religious Studies Undergraduate Minor (p. 377)
- Religious Studies Second Academic Concentration (p. 378)

Religious Studies Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
6 credits of Honors course work in the major		
3 credits of Honors course work in the major or another area		
HSS 490	Senior Honors Project	

Recognition

Receive a Certificate of Disciplinary Honors in Religious Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

See Ashlee Andrews at anandrew@uncg.edu for further information and guidance about Honors in Religious Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Religious Studies, B.A.

The Religious Studies Major participates in a diversified program in the humanities, studying religious history, imaginative literature, systems of thought, and criticisms of culture, politics, and society. Because religious studies majors engage in multidisciplinary studies in the liberal arts, they are well-qualified to enter any field that profits from disciplines of exposition, analysis, appreciation, criticism, and historical reflection. Upon graduation, Religious Studies majors have gone into teaching, medicine, nursing, law, business, ministry, journalism, and communications.

The Religious Studies Concentration in Nonprofit Management requires 15 credit hours and is designed to prepare students for entry-level positions in nonprofit agencies, including positions in faith-based organizations, human service agencies, foundations, or professional associations. The concentration combines core courses and electives that allow a student some tailoring to specific interests with the PSC 511 courses available online and/or on campus.

Members of the Religious Studies Department are available to advise students about career opportunities and to refer them to further information that may be of help.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Students must complete a minimum of 27 credit hours in Religious Studies at the 200 level or higher (excluding the Senior Seminar); at least 9 credits must be at 300 level or higher
- Students must earn a grade of at least C- in all Religious Studies courses required for the major.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Required		
		3
REL 298	Thinking About Religion	
Western Traditions		
		3
<i>Select one of the following:</i>		
REL 209	Elements of Christian Thought	
REL 210	Christianity to the Reformation	
REL 212	Christianity from the Reformation to the Present	
REL 215	Judaism	
REL 217	The Synagogue	

REL 229	Introduction to African American Religions	
REL 231	Religion in America	
REL 240	Modern Judaism	
REL 301	Early Christianity	
REL 303	Christianity in Byzantium	
REL 310	Christianity and the Construction of Gender	
REL 311	Topics in Biblical Studies	
REL 312	Judaism and the Construction of Gender	
REL 313	Topics in Ancient Judaism	
REL 332	Contemporary African American Religious Thought	
REL 340	Modern Jewish Thinkers	
REL 341	Topics in Jewish Thought	
REL 382	Topics in Christian Thought	
Non-Western Traditions		3
<i>Select one of the following:</i>		
REL 221	Buddhism	
REL 223	Hinduism	
REL 225	Islam	
REL 254	Religion in Traditional Societies	
REL 368	Religion in South Asia: Selected Topics	
Cultural and Theoretical Studies		3
<i>Select one of the following:</i>		
REL 207	Modern Problems of Belief	
REL 248	Comparative Religious Ethics	
REL 251	Topics in Religious Social Ethics	
REL 323	Religious Movements and Communities: Selected Topics	
REL 324	Philosophical Issues in Religion	
REL 333	Religion and Psychology	
REL 400	Topics in Religious Studies	
Electives		12
<i>Select four additional electives in Religious Studies above the 100 level</i>		
Senior Seminar		3
REL 410	Senior Seminar	

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Nonprofit Management

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Nonprofit Management Concentration Requirements

Code	Title	Credit Hours
Required		12
PSC 311	The Nonprofit Sector and Governance	
REL 420	Internship in Religious Studies	
<i>And a Religious Studies course to be approved by the head of the department</i>		
PSC 440	Nonprofit Management and Leadership	

Skills Courses 3

Choose 3 of the 1 credit skills courses below

PSC 411B	Topics in Public Affairs: Marketing for Public and Nonprofit Agencies
PSC 411D	Topics in Public Affairs: Strategic Planning
PSC 411G	Topics in Public Affairs: Grant Writing
PSC 411N	Topics in Public Affairs: Nonprofit Law
PSC 411V	Topics in Public Affairs: Volunteer Management

Islamic Studies Undergraduate Minor

The Islamic Studies Undergraduate Minor provides students with foundation and upper level classes in the language, religious studies, history, archaeology, ethnicity, race, gender, and politics of the historical and contemporary Islamic World.

Program Requirements

- Minimum of 18 credits.
- There is no required study abroad.

Code	Title	Credit Hours
Language ¹		6
ARB 101	Beginning Arabic I	
ARB 102	Beginning Arabic II	
Core		3
HIS 207	Topics in Premodern World History	
or REL 225	Islam	
Lower-Level Electives ²		3
Select one course at the 100- or 200-level from the following: ³		
REL 225	Islam	
REL 226	Approaches to the Qur'an	
Upper-Level Electives ²		6
Select two courses at the 300-level or above from the following: ⁴		
ADS 356	The Making of the African Diaspora	
REL 370	Religions of Iran: Selected Topics	

¹ If a student places out of 1st year Arabic, they may fulfill the language credits with other advisor approved Islamic Studies courses.

² Other classes that offer Islamic Studies content (such as HSS 217 for students in Lloyd International Honors College) may be substituted as an elective with advisor approval.

³ The following special topics courses may be substituted with advisor approval when the topic contains Islamic Studies content: HIS 217, HIS 209.

⁴ The following special topics courses may be substituted with advisor approval when the topic contains Islamic Studies content: REL 323, HIS 380, PSC 355J, HIS 411C, HIS 414, HIS 424 GER 406.

Religious Studies Undergraduate Minor

The Religious Studies Minor complements majors in a variety of fields in the humanities and social sciences; for others it provides a way to focus various disciplines in the humanities on a profoundly significant part of cultures around the world.

Program Requirements

- Minimum of 18 credit hours in Religious Studies at or above the 100 level as listed below.

Code	Title	Credit Hours
<i>Required</i>		
REL 298	Thinking About Religion	
Western Traditions		
<i>Select one of the following:</i>		
REL 209	Elements of Christian Thought	
REL 210	Christianity to the Reformation	
REL 212	Christianity from the Reformation to the Present	
REL 215	Judaism	
REL 217	The Synagogue	
REL 229	Introduction to African American Religions	
REL 231	Religion in America	
REL 240	Modern Judaism	
REL 301	Early Christianity	
REL 303	Christianity in Byzantium	
REL 310	Christianity and the Construction of Gender	
REL 311	Topics in Biblical Studies	
REL 312	Judaism and the Construction of Gender	
REL 313	Topics in Ancient Judaism	
REL 332	Contemporary African American Religious Thought	
REL 340	Modern Jewish Thinkers	
REL 341	Topics in Jewish Thought	
REL 382	Topics in Christian Thought	
Non-Western Traditions		
<i>Select one of the following:</i>		
REL 221	Buddhism	
REL 223	Hinduism	
REL 225	Islam	
REL 254	Religion in Traditional Societies	
REL 368	Religion in South Asia: Selected Topics	
Cultural and Theoretical Studies		
<i>Select one of the following:</i>		
REL 207	Modern Problems of Belief	
REL 248	Comparative Religious Ethics	
REL 251	Topics in Religious Social Ethics	
REL 323	Religious Movements and Communities: Selected Topics	
REL 324	Philosophical Issues in Religion	
REL 333	Religion and Psychology	
REL 400	Topics in Religious Studies	
Additional REL Electives		
<i>Select two additional electives in Religious Studies at the 100 level or above</i>		

Religious Studies Second Academic Concentration

The second academic concentration in Religious Studies is designed specifically for Elementary Education Majors.

Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Traditions and Historical Studies		
<i>Select 6 credits of the following:</i>		
REL 201	The Bible in Western Culture	
REL 202	Hebrew Bible	
REL 204	New Testament and the Origins of Christianity	
REL 210	Christianity to the Reformation	
REL 212	Christianity from the Reformation to the Present	
REL 215	Judaism	
REL 221	Buddhism	
REL 225	Islam	
REL 229	Introduction to African American Religions	
REL 250	Religious Traditions and Care of the Earth	
REL 254	Religion in Traditional Societies	
REL 301	Early Christianity	
REL 311	Topics in Biblical Studies	
REL 313	Topics in Ancient Judaism	
Cultural and Theoretical Studies		
<i>Select 6 credits of the following:</i>		
REL 207	Modern Problems of Belief	
REL 240	Modern Judaism	
REL 251	Topics in Religious Social Ethics	
REL 310	Christianity and the Construction of Gender	
REL 312	Judaism and the Construction of Gender	
REL 323	Religious Movements and Communities: Selected Topics	
REL 333	Religion and Psychology	
REL 340	Modern Jewish Thinkers	
REL 400	Topics in Religious Studies	
Additional REL Courses		

Select 6 credits of additional REL courses at the 200 level or above

Sociology

College of Arts and Sciences

337 Graham Building
336-334-5609
<http://soc.uncg.edu/>

David Kauzlarich, *Head of Department*

Sarah Daynes, *Director of Graduate Study*

Arielle T. Kuperberg, *Director of Undergraduate Studies*

Mission Statement

The Department of Sociology supports the missions of the College of Arts and Sciences and the university in three areas: education, research and service. The Department fosters a community of sociologists, mentors students of sociology at the undergraduate and graduate levels, and provides general education for students throughout the university. Sociological knowledge helps students to understand how social structures and processes shape social life and how sociological analysis and empirical research are used as tools of understanding. The Department also encourages the research and professional development of faculty, contributes knowledge to the community of scholars and to the larger society, and provides service to the discipline, college, university, and extramural communities.

About

The undergraduate program in sociology is planned primarily as a part of a liberal arts education. The objective is to provide the student with an analytic and systematic approach to the understanding of social relations. The major provides a foundation for a variety of occupations and for advanced study.

Graduate study leading to the Master of Arts degree with a major in sociology also is available.

Professor

Steven R. Cureton^G
 Sarah Daynes^G
 Dana L. Dunn
 David A. Kauzlarich^G
 Steve Stephen Kroll-Smith^G

Associate Professor

Shelly Lynne Brown-Jeffy^G
 Gwen C. Hunnicutt
 Arielle Kuperberg^G

Assistant Professor

Cindy Brooks Dollar^G
 Trevor Alexander Hoppe^G
 Dan R. Huebner^G
 Sahan Savas Karatasli^G
 Sefika Kumral^G
 Zachary B. Levenson^G
 Tad P. Skotnicki^G
 Ting Wang^G

Visiting Assistant Professor

Todd Madigan^G

Lecturer

Kristen Marie Bethune
 Jesse Kenneth Clark
 Ariane Marisa Cox
 Aneliese Katri Dar
 Amy Marie Ernstes
 Katherine Rachel Knop
 Anthony Eric Ladd
 Rachael Christine Patterson
 Ena Prskalo

^G Graduate-level faculty

- Sociology, B.A. (p. 379)
- Sociology Undergraduate Minor (p. 380)
- Sociology Second Academic Concentration (p. 381)
- Sociology, M.A. (p. 381)
- Teaching Sociology, Post-Baccalaureate Certificate (p. 382)

Sociology Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<i>6 credits of Honors course work in the major</i>		
<i>3 credits of Honors course work in the major or another area</i>		
HSS 490	Senior Honors Project	

Recognition

Receive a Certificate of Disciplinary Honors in Sociology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Tad Skotnicki at tpskotni@uncg.edu for further information and guidance about Honors in Sociology. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Sociology, B.A.

The Sociology major provides students with an understanding of the fundamental processes of social interaction that underlie all social organization and change. Beyond book and library study, students are required to develop skills in computer analysis and in survey and field research. Students may

1. Major in sociology,
2. Major in sociology with a concentration in criminology,
3. Major in sociology with a concentration in social problems in a global society,
4. Complete the social studies licensure for secondary teachers with a major in sociology,
5. Major in both sociology and another field, or
6. Minor in sociology.

Requirements for these six options are described separately below.

Student Learning Goals

Sociology majors at UNC Greensboro will be expected to:

- Define and apply basic sociological concepts used in micro and macro sociological theory
- Explain the difference between personal opinion and theoretical insight based on research and between structural and individualistic explanations of human action
- Know how to formulate research hypotheses, collect, and do basic analysis of data

- Evaluate the appropriateness of various theories and research methods for answering different types of empirical questions
- Explain the differences among and the uses of different types of sociological research methods
- Be able to recognize and respond appropriately to the ethical issues involved in studying human subjects and organizations

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- All sociology majors must complete a minimum of 36 credit hours in sociology with at least a 2.0 GPA in the major.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Code	Title	Credit Hours
Core Requirements		18
SOC 101	Introduction to Sociology [†]	
SOC 225	Race, Class, and Gender: Social Inequalities	
SOC 290	Thinking Sociologically-Classical Theory	
SOC 301	Introduction to Methods and Research	
SOC 302	Introduction to Data Analysis	
SOC 490	Seeing Society-Contemporary Theory	
Additional Requirements for the Sociology Concentration		
Select six additional Sociology courses, four of which must be taken at the 300 level or above		

[†] Counts toward GEC GSB requirement.

Related Area Requirements

See the Sociology Department's Director of Undergraduate Studies for related course recommendations.

Optional Concentrations

Any of the optional concentrations as detailed following the major requirements may be added, but a concentration is not required.

- Criminology
- Sociology with Social Studies High School Teaching Licensure

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Criminology Concentration Requirements

Code	Title	Credit Hours
Required		15
SOC 222	Sociology of Deviant Behavior	
SOC 324	Criminology	
Select at least three of the following:		
SOC 317	Criminal Justice	
SOC 323	Global Deviance	
SOC 332	Law and Society	
SOC 350	Juvenile Delinquency	
SOC 373	Green Criminology	
SOC 390	African American Perspectives on Crime	
SOC 393	Drugs and Society	
SOC 419	Gender, Crime, and Deviance	
SOC 420	Family Violence	
SOC 422	Crimes of the Powerful	
SOC 425	Contemporary Gangs in America	
SOC 429	Collective Violence and Nonviolence in Global Perspective	
SOC 434	Considering Ourselves as Offenders, Victims and Survivors	
Select one additional Sociology course *		

* May be any Sociology elective or may be chosen from the previous list.

Sociology with Social Studies High School Teaching Licensure Concentration Requirements

- Minimum of 46 credit hours in social studies beyond the requirements for the Sociology major

Teacher Licensure Requirements

The courses listed below satisfy competencies for the Standard Professional I License in Secondary Social Studies.

Code	Title	Credit Hours
Required		
ECO 101	Introduction to Economics	
HIS 308	Navigating World History	
HIS 316	Interpreting American History	
HIS 430	Historical Methods for Social Studies Teachers	
HIS 440	Principles and Practices for Teaching History	
ERM 405	Measurement and Assessment in Teaching	
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning	
TED 465	Student Teaching: Secondary School	
TED 435	Literacy in the Content Area	
TED 453	Teaching Practices and Curriculum in Social Studies	

* This course requires 25 hours of internship in the schools.

Sociology Undergraduate Minor

Program Requirements

- Minimum of 15 credit hours
- 15 credits in sociology
- 9 credits counted toward the minor must be in residence at UNC Greensboro.

Sociology Second Academic Concentration

The second academic concentration in Sociology is designed specifically for Elementary Education Majors.

Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
<i>Required</i>		
SOC 101	Introduction to Sociology	
SOC 201	Social Problems	
<i>Select 12 credits at the 300 level or above from the following:</i>		
SOC 326	The Community	
SOC 335	Marriage and the Family	
SOC 341	Sociological Perspectives on Social Psychology	
SOC 346	Population Problems	
SOC 362	Sociological Perspectives on Education	
SOC 370	Environmental Sociology	
SOC 371	Immigration, Ethnicity, and Race in a Global Context	
SOC 420	Family Violence	

Sociology, M.A.

The M.A. in Sociology offers a thesis and a non-thesis option. The thesis option requires 33 credit hours, including 6 credits of thesis. The non-thesis option requires 33 credit hours, including a 6 credit internship.

The program prepares students for further study, for research and administrative positions in public or private organizations, and for teaching sociology in a variety of settings. All of the students in the program acquire a general foundation in sociology, and some elect to complete a concentration in criminology. Other special interests may be pursued in particular substantive, applied, or cognate courses and extended in the writing of a thesis or completion of an internship.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Degree Program Requirements

Required: 33 credit hours

Code	Title	Credit Hours
Required Core Courses (12 credits)		
SOC 614	Contemporary Sociological Theory	3
SOC 616	Advanced Research Methods	3
SOC 618	Advanced Data Analysis	3

Select one (3 credits) of the following: 3

SOC 593	Thesis Proposal Seminar (Thesis Option)
SOC 599	Internship in Sociology (Non-Thesis Option)

Area Courses (9 credits)

Select 9 credits from the following courses: 9

SOC 571	Advanced Topics in Social Psychology
SOC 636	
SOC 640	Cultural Sociology
SOC 644	

Electives (6 credits)

Select 6 credits from other 500- or 600-level Sociology or Social Science courses in other departments.* 6

Capstone Experience (6 credits)

Select one option from the following: 6

<i>Thesis Option</i>	
SOC 699	Thesis
<i>Non-Thesis Option</i>	
SOC 695	Internship

Total Credit Hours 33

* With prior approval of the advisor.

Comprehensive Examination

Successful completion of a thesis proposal or internship proposal defense satisfies the comprehensive examination requirement.

Criminology Concentration

Code	Title	Credit Hours
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Required Core Courses (21 credits)

SOC 601	Seminar in Sociological or Criminological Analysis	3
SOC 614	Contemporary Sociological Theory	3
SOC 616	Advanced Research Methods	3
SOC 618	Advanced Data Analysis	3
SOC 651	Criminology	3
SOC 653	Social Control	3

Select one (3 credits) of the following: 3

SOC 593	Thesis Proposal Seminar (Thesis Option)
SOC 599	Internship in Sociology (Non-Thesis Option)

Electives (6 credits)

Select 6 credits from other 500- or 600-level Sociology courses or Social Science courses in other departments* 6

Capstone Experience (6 credits)

Select one option from the following: 6

<i>Thesis Option</i>	
SOC 699	Thesis
<i>Non-Thesis Option</i>	
SOC 695	Internship

Total Credit Hours 33

* With prior approval of the advisor.

Teaching Sociology, Post-Baccalaureate Certificate

The Sociology department offers a program of study leading to a Post-Baccalaureate Certificate in Teaching Sociology that prepares graduates for teaching sociology courses at the college level. The program combines core courses, elective courses, and a major course in teaching sociology.

Certificate requirements must be successfully completed during five academic years to earn the certificate. Courses fulfilling the certificate program may be used to meet the requirements in a degree program in accordance with the policies of The Graduate School.

Certificate Program Requirements

Required: 18 credit hours

Code	Title	Credit Hours
Core Courses (12 credits)		
SOC 614	Contemporary Sociological Theory	3
SOC 616	Advanced Research Methods	3
SOC 618	Advanced Data Analysis	3
SOC 646	Teaching and Learning Sociological Concepts	3
Electives (6 credits)		
Select 6 credits from the following courses:		6
SOC 651	Criminology	
SOC 653	Social Control	
SOC 601	Seminar in Sociological or Criminological Analysis	
SOC 571	Advanced Topics in Social Psychology	
SOC 640	Cultural Sociology	
Total Credit Hours		18

Special Programs in Liberal Studies, B.A.

The Special Programs in Liberal Studies major offers multiple concentrations whose requirements are listed under this topic.

Each concentration is administered by an interdepartmental program as follows:

- Archaeology Program
- Environment & Sustainability Program (Department of Geography, Environment, and Sustainability)
- Humanities (Bachelor of Arts in Liberal Studies Program)
- International and Global Studies Program
- Professional Studies (Bachelor of Arts in Liberal Studies Program)
- Social Sciences (Bachelor of Arts in Liberal Studies Program)
- Student-Designed Interdisciplinary Program (College of Arts and Sciences)

Program administrators are also identified within the requirements for each concentration.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Select one of the concentrations following the major requirements.

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Archaeology Concentration Requirements

Administered by the Archaeology Program (p. 255).

- Minimum 33 credit hours distributed as follows. Under special circumstances and with the permission of the Committee, some required courses may be substituted for others.

Code	Title	Credit Hours
Core Requirements		15
ATY 258	Introduction to Archaeology [†]	
ATY 360	Methods in Archaeology	
CCI 211	Introduction to Greek Archaeology [†]	
CCI 212	Introduction to Roman Archaeology [†]	
GES 121	Introduction to Geographic Information Science	
Area Requirements		12
<i>Old World Archaeology</i>		3
<i>Select one of the following:</i>		
ATY 341	Paleolithic Archaeology	
CCI 312	The Art and Archaeology of Egypt	
CCI 313	Archaeology of the Aegean	
CCI 314	Ancient Cities	
HIS 380	Topics in the Near and Middle East	
<i>New World Archaeology</i>		3
<i>Select one of the following:</i>		
ATY 334	Latin American Art and Archaeology	
ATY 370	Historical Archaeology	
ATY 434	Archaeology of South America	
ATY 440	Colliding Worlds: Forming America	
ATY 462	Archaeology of the Southeastern United States	
<i>Analytical Methods and Techniques</i>		6
<i>Select 6 credits of the following:</i>		
ATY 477	Zooarchaeology	
ATY 479	Analysis of Archaeological Data	
ATY 453	Human Osteology	
ATY 475	Research Methods in Historical Archaeology	

GES 314	Physical Geography: Landscape Processes
GES 314L	Physical Geography Laboratory
GES 357	Principles of Cartography
GES 359	Remote Sensing of Environment
GES 421	Geographic Information Science
Include no more than 3 credits from the following:	
ATY 478	Field Methods in Archaeology
CCI 401	Archaeological Practicum
CCI 450	Internship in Classical Studies

Related Area Electives 6

Select 6 credits from any of the above courses or choose from the following:	
ARC 381	Study Abroad Experience in Archaeology
ATY 444	Archaeology of Power/Politics
ARC 493	Honors in Archaeology
ARC 498	Special Archaeological Research
ARC 499	Internship in Archaeology
ART 281	Ceramics I
ART 285	Photography I
ATY 213	Introduction to Cultural Anthropology
ATY 308	Lost Tribes and Sunken Lands
ATY 449	Gender Archaeology
ATY 403	Selected Topics in Anthropology
ATY 423	Applying Archaeology in the Real World
CCI 360	Archaeology of the Roman Provinces: Britain and Gaul
CCI 365	Archaeology of the Roman Provinces: Asia Minor and Syria
CCI 412	The Archaeology of Roman Daily Life
CCI 412	The Archaeology of Roman Daily Life
GES 358	Geographic Information Systems
HIS 220	The Ancient World

* If in Archaeology.

† Counts toward GE Marker GL/GN requirement.

Asian Studies Concentration Requirements

Administered by the International and Global Studies Program (p. 324).

- 30 credits at the 200 level and above.
- To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained.
- No requirements for the major can be met by a grade lower than C-.

Code	Title	Credit Hours
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Foreign Language Requirements

Select a modern foreign language at the 300 level or higher from the following:		
Chinese		
French		
German		
Italian *		
Japanese		
Portuguese *		

Russian		
Spanish		
Core Courses **		3
Select 3 credits of the following:		
IGS 200	Introduction to International and Global Studies	†
IGS 400	Capstone Seminar in International and Global Studies	
Additional Courses		18
Select 18 credits from Additional Courses		

* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

** Select 6 credits chosen from the courses as listed or approved equivalents.

† Counts toward GE Marker GL/GN requirement.

Additional Courses

Must include a minimum of 9 credits at the upper level (300 level or above).

No more than 9 credits may come from any single category.

Once 9 credits are selected from any single category, no more than 6 credits may be taken in each of the remaining categories.

- Must include 12–18 credits from courses identified in the Additional Courses Options for the LACS concentration. Must use the Additional Course Options for this concentration.
- Must include 6–9 credits at the upper level (300 level or above).
- May include 0–6 credits 200-level and above courses from courses identified in the Additional Courses Options for any concentration
- May use the Additional Courses Options for any International and Global Studies concentration.
- Must include 0–3 credits at the upper level (300 level or above)

Additional Courses Options

The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the Asian Studies concentration.

Note: Further options (subject to director approval) may appear in the guide published on the IGS website.

Code	Title	Credit Hours
Category 1—Society and Politics (S&P)		
200-Level Course Options		
HIS 216	The Civilizations of Asia	
HIS 215	The Civilizations of Asia *	
Upper-Level Course Options		
HIS 488	East Asian History: Selected Topics	
JNS 306	Current Issues in Japan	
Category 2—Economics and Development (E&D)		
200-Level Course Options		
None available.		
Upper-Level Course Options		
GES 306	World Economic Geography	
GES 340	Geography of East Asia	
Category 3—Arts and Literature (A&L)		

200-Level Course Options	
CHI 210	Masterworks of Chinese Literature in Translation
CHI 220	Modern Chinese Literature and Culture
JNS 230	Women in Japanese Literature and Film
Upper-Level Course Options	
BLS 327	Contemporary Asian Literature
CHI 313	Major Figures in Chinese Literature
MST 327	Non-Western Film: Asian
MUS 343	Music Cultures of the World
MUS 354	Modern Asia Through Its Music

Category 4—Belief Systems and Cultures (BS&C)

200-Level Course Options	
CHI 220	Modern Chinese Literature and Culture
IGS 295	Study Abroad for Global Engagement: Pre-Departure
IGS 296	Study Abroad for Global Engagement: Field Experience
IGS 297	Study Abroad for Global Engagement: Re-Entry Reflections and Applications
JNS 220	Modern Japan
REL 221	Buddhism
REL 223	Hinduism
Upper-Level Course Options	
CHI 305	Topics in Chinese Culture
JNS 306	Current Issues in Japan
MUS 343	Music Cultures of the World
MUS 354	Modern Asia Through Its Music
REL 368	Religion in South Asia: Selected Topics

* Exception to the 51 Percent Modern Requirement.

Environmental Studies Concentration Requirements

Administered by the Department of Geography, Environment, and Sustainability (p. 296).

Code	Title	Credit Hours
Core Courses		29
Environmental and Sustainability Studies		
GES 162	Introduction to Sustainability	
GES 164	Introduction to Environment	
GES 370	Environment and Experience	
GES 400	Capstone Seminar	
Biology		
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
Chemistry		
CHE 252	Chemistry and the Human Environment	
Geography		
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory	
Philosophy		
PHI 363	Environmental Ethics	
Statistics		

Select one of the following	
ECO 250	Economic and Business Statistics I
SOC 302	Introduction to Data Analysis
STA 108	Elementary Introduction to Probability and Statistics
STA 271	Fundamental Concepts of Statistics
STA 290	Introduction to Probability and Statistical Inference

Related Area Electives 33

Natural Sciences	
Select 12 credits from the following	
BIO 301	Principles of Ecology
BIO 315	Ecology and Evolution Laboratory
BIO 361	Biology and Conservation of Sea Turtles
BIO 420	Marine Biology
BIO 422	Plant Diversity
BIO 431	The Biosphere
BIO 441	Invertebrate Zoology
BIO 470	Vertebrate Zoology
BIO 488	Essentials of Toxicology
BIO 421	Ecosystem Ecology and Biogeochemistry
BIO 427	Landscape Ecology
BIO 426	Conservation Biology
BIO 429	Aquatic Ecology
BIO 444	Entomology
BIO 451	Vascular Plant Systematics
BIO 460	Symbiosis
BIO 480	Environmental Physiology
CHE 205	Introductory Organic Chemistry
CHE 331	Quantitative Analysis
CHE 351	Organic Chemistry I
CHE 352	Organic Chemistry II
GES 388	Topics in Natural Sciences
GES 205	Environmental Change: Its Nature and Impact
GES 305	Environmental Hazards Assessment
GES 319 & 319L	Weather and Climate and Climatology Laboratory
GES 313	Natural Resource Regions of North America
GES 314	Physical Geography: Landscape Processes
GES 330	Elements of Hydrology
GES 358	Geographic Information Systems
GES 359	Remote Sensing of Environment
GES 419	Advanced Weather and Climate-Synoptic Climatology
PHY 205	Conceptual Physics

Equity and Society	
Select 9 credits from the following	
ATY 213	Introduction to Cultural Anthropology
ATY 253 & 253L	Introduction to Biological Anthropology and Introduction to Biological Anthropology Laboratory
ATY 362	Methods in Cultural Anthropology
ATY 420	Economic Anthropology

ATY 426	Food and Culture in a Global Context
ATY 450	Environmental Anthropology
ATY 465	Medical Anthropology
GES 386	Topics in Equity and Society
GES 302	Urban Geography: Land Use
GES 303	World Population Problems
GES 304	Introduction to Transportation Analysis
GES 322	Research Methods in Geography
GES 331	Sustainable Tourism and Transportation *
HIS 209	Topics in Modern World History *
HIS 323	American Indians and Nature
HIS 334	United States Environmental History
HEA 307	Global Health
HEA 315	Epidemiology
HEA 316	Environmental Health
PCS 406	Environmental Justice: Interdisciplinary Response for Sustainability
PSC 210	Introduction to Public Policy
PSC 312	Environmental Law and Policy
PSC 313	Natural Resources Law and Policy
SOC 202	Social Problems in Global Context
SOC 346	Population Problems
SOC 370	Environmental Sociology
SOC 373	Green Criminology
SOC 377	Disaster, Self, and Society
<i>Economics and Development</i>	
Select 9 credits of the following	
BUS 130	Entrepreneurship in a Sustainable Global Environment
BUS 340	Social Entrepreneurship
ECO 100	Economics of a Global Sustainable Society
ECO 201	Principles of Microeconomics
ECO 202	Principles of Macroeconomics
ECO 300	The International Economy
GES 384	Topics in Economics and Development
STH 200	Introduction to Sustainable Development
STH 201	Corporate Social Responsibility and Change Management
STH 311	Sustainable Food and Beverage
STH 312	Greening Hotel Facilities
STH 331	Sustainable Tourism and Transportation
STH 332	Sustainable Destination Planning and Management
<i>Aesthetics and Ethics</i>	
Select 3 credits from the following	
CST 420	Environmental Communication
ENG 327	Writing for Professionals and Entrepreneurs
ENG 380	Literature and the Environment
GES 384	Topics in Economics and Development
IAR 124	Introduction to Sustainable Design
IAR 221	History and Theory of Design I
IAR 222	History and Theory of Design II

LLC 130	Global Green: Cultures of Production and/or Consumption
MUS 326	Music and Environment
PHI 338	Ethics and International Affairs
PHI 361	Ethical Issues in Business
PHI 322	Philosophy of the Arts
REL 250	Religious Traditions and Care of the Earth
WGS 374	Ecofeminism
Free Electives	
Select 6 credits from the following or from the Related Area Electives above	
GES 362	Seminar in Sustainability
GES 364	Seminar in Environment
GES 360	Sustainable Campus Operations
GES 368	Individual Study
GES 493	Honors Work
GES 370	Environment and Experience **
GES 366	Environmental Studies Internship ¹
BIO 497	Internship in Biology ¹

* This course only applies when the topic is World Environmental History

** This course applies when taken beyond the 1 credit required in the Core Requirements

¹ Internships are optional; Students may count up to 3 credits of free electives for a relevant internship through the courses listed.

Environmental & Sustainability Studies Concentration Requirements

Administered by the Department of Geography, Environment, and Sustainability (p. 296).

Program Admission Requirements

1. Junior standing
2. 3.30 GPA

Completion of the courses listed below and at least 15 credits of further required core courses and /or related area electives.

Code	Title	Credit Hours
GES 164	Introduction to Environment	
GES 162	Introduction to Sustainability	

Code	Title	Credit Hours
Core Courses		27

Environmental and Sustainability Studies

GES 164	Introduction to Environment
GES 162	Introduction to Sustainability
GES 400	Capstone Seminar
GES 370	Environment and Experience

Select one of the following options:

Biology

Option A:

BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory
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Option B:

BIO 105 & 105L	Major Concepts of Biology and Major Concepts of Biology Laboratory
<i>Chemistry</i>	
CHE 252	Chemistry and the Human Environment
<i>Geography</i>	
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory
<i>Philosophy</i>	
PHI 363	Environmental Ethics
<i>Statistics</i>	
Select one of the following:	
ECO 250	Economic and Business Statistics I
SOC 302	Introduction to Data Analysis
STA 108	Elementary Introduction to Probability and Statistics
STA 271	Fundamental Concepts of Statistics
STA 290	Introduction to Probability and Statistical Inference

Related Area Electives 39

Select 39 credits, with a minimum of 3 credits in each of the four related area electives from the following:

<i>Natural Sciences</i>	
BIO 301	Principles of Ecology
BIO 315	Ecology and Evolution Laboratory
BIO 361	Biology and Conservation of Sea Turtles
BIO 420	Marine Biology
BIO 421	Ecosystem Ecology and Biogeochemistry
BIO 422	Plant Diversity
BIO 426	Conservation Biology
BIO 427 & BIO 423	Landscape Ecology and Landscape Ecology Laboratory
BIO 429 & BIO 432	Aquatic Ecology and Aquatic Ecology Laboratory
BIO 431	The Biosphere
BIO 441	Invertebrate Zoology
BIO 470	Vertebrate Zoology
BIO 480	Environmental Physiology
BIO 488	Essentials of Toxicology
CHE 205	Introductory Organic Chemistry
CHE 331	Quantitative Analysis
CHE 351	Organic Chemistry I
CHE 352	Organic Chemistry II
GES 205	Environmental Change: Its Nature and Impact
GES 305	Environmental Hazards Assessment
GES 313	Natural Resource Regions of North America
GES 314	Physical Geography: Landscape Processes
GES 319 & 319L	Weather and Climate and Climatology Laboratory
GES 330	Elements of Hydrology
GES 358	Geographic Information Systems
GES 359	Remote Sensing of Environment
GES 388	Topics in Natural Sciences

GES 419	Advanced Weather and Climate-Synoptic Climatology
PHY 205	Conceptual Physics
<i>Equity and Society</i>	
ATY 213	Introduction to Cultural Anthropology
ATY 253 & 253L	Introduction to Biological Anthropology and Introduction to Biological Anthropology Laboratory
ATY 362	Methods in Cultural Anthropology
ATY 420	Economic Anthropology
ATY 426	Food and Culture in a Global Context
ATY 450	Environmental Anthropology
ATY 465	Medical Anthropology
CST 420	Environmental Communication
ENG 327	Writing for Professionals and Entrepreneurs
ENG 380	Literature and the Environment
GES 382	Topics in Aesthetics and Ethics
GES 384	Topics in Economics and Development
GES 386	Topics in Equity and Society
IAR 124	Introduction to Sustainable Design
IAR 222	History and Theory of Design II
LLC 130	Global Green: Cultures of Production and/or Consumption
MUS 326	Music and Environment
PHI 322	Philosophy of the Arts
PHI 338	Ethics and International Affairs
PHI 361	Ethical Issues in Business
REL 250	Religious Traditions and Care of the Earth
WGS 374	Ecofeminism
<i>Economics and Development</i>	
BUS 130	Entrepreneurship in a Sustainable Global Environment
BUS 340	Social Entrepreneurship
ECO 100	Economics of a Global Sustainable Society
ECO 201	Principles of Microeconomics
ECO 202	Principles of Macroeconomics
ECO 300	The International Economy
ECO 380	Environmental and Natural Resource Economics
GES 384	Topics in Economics and Development
STH 200	Introduction to Sustainable Development
STH 201	Corporate Social Responsibility and Change Management
STH 311	Sustainable Food and Beverage
STH 312	Greening Hotel Facilities
STH 331	Sustainable Tourism and Transportation
STH 332	Sustainable Destination Planning and Management
<i>Aesthetics and Ethics</i>	
CST 420	Environmental Communication
ENG 327	Writing for Professionals and Entrepreneurs
ENG 380	Literature and the Environment
GES 382	Topics in Aesthetics and Ethics
IAR 124	Introduction to Sustainable Design

IAR 221	History and Theory of Design I
IAR 222	History and Theory of Design II
LLC 130	Global Green: Cultures of Production and/or Consumption
MUS 326	Music and Environment
PHI 338	Ethics and International Affairs
PHI 361	Ethical Issues in Business
PHI 322	Philosophy of the Arts
REL 250	Religious Traditions and Care of the Earth

* *In consultation with the director, other classes may include GES 362, GES 364, GES 360, GES 370, GES 366, GES 368, GES 493, BIO 497 or any relevant course approved by the Director.*

Humanities Concentration Requirements

Administered by the Bachelor of Arts in Liberal Studies Program (p. 256).

Minimum of 30 credits as listed below.

Code	Title	Credit Hours
Core Courses		6
BLS 300	Seminar in Humanities	
BLS 301	Pathways: Reading and Writing in the Humanities	
Distribution Requirement		12
<i>Literature</i>		
Select one of the following:		
BLS 320	Selected Topics: Literature	
BLS 321	Reading and the Human Experience	
BLS 322	Revolutionary Lives	
BLS 323	Contemporary Short Stories	
BLS 325	Mystery, Mayhem, and Murder	
BLS 326	Telling Stories: The Memoir	
BLS 327	Contemporary Asian Literature	
<i>Fine Arts</i>		
Select one of the following:		
BLS 340	Selected Topics: Fine Arts	
BLS 342	Painting on the Page	
BLS 343	Big Plays, Big Ideas	
BLS 345	Photography: Contexts and Illusions	
BLS 346	The Art of Life	
BLS 347	Shakespeare Off the Page	
BLS 348	Representing Women	
<i>Philosophy/Religion/Ethics</i>		
Select one of the following:		
BLS 360	Selected Topics: Philosophy/Religion/Ethics	
BLS 361	American Dreams	
BLS 362	Vice, Crime, and American Law	
BLS 363	Ethics and Technology	
BLS 364	Mystics in America	
BLS 365	Divided We Stand	
BLS 366	Life, Death, and Meaning	
<i>Historical Perspectives</i>		
Select one of the following:		

BLS 380	Selected Topics: Historical Perspectives
BLS 381	Old Europe/New Europe
BLS 382	The Sixties
BLS 383	Religious Resistance to Political Power
BLS 384	Great Trials in American History
BLS 385	American Motherhood
BLS 386	Women, War, and Terror

Area of Emphasis 9

Select at least three additional courses in one of the topic areas of the following:

Literature

BLS 320	Selected Topics: Literature
BLS 321	Reading and the Human Experience
BLS 322	Revolutionary Lives
BLS 323	Contemporary Short Stories
BLS 325	Mystery, Mayhem, and Murder
BLS 326	Telling Stories: The Memoir
BLS 327	Contemporary Asian Literature
BLS 342	Painting on the Page
BLS 343	Big Plays, Big Ideas
BLS 347	Shakespeare Off the Page
BLS 386	Women, War, and Terror

Fine Arts

BLS 340	Selected Topics: Fine Arts
BLS 342	Painting on the Page
BLS 343	Big Plays, Big Ideas
BLS 345	Photography: Contexts and Illusions
BLS 346	The Art of Life
BLS 347	Shakespeare Off the Page
BLS 348	Representing Women

Philosophy/Religion/Ethics

BLS 360	Selected Topics: Philosophy/Religion/Ethics
BLS 361	American Dreams
BLS 362	Vice, Crime, and American Law
BLS 363	Ethics and Technology
BLS 364	Mystics in America
BLS 365	Divided We Stand
BLS 366	Life, Death, and Meaning

Historical Perspectives

BLS 380	Selected Topics: Historical Perspectives
BLS 381	Old Europe/New Europe
BLS 382	The Sixties
BLS 383	Religious Resistance to Political Power
BLS 384	Great Trials in American History
BLS 385	American Motherhood
BLS 386	Women, War, and Terror

Capstone Seminar 3

BLS 400	Senior Seminar in the Humanities
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International and Global Affairs and Development Concentration Requirements

Administered by the International and Global Studies Program (p. 324).

- 30 credits at the 200 level and above.
- To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained.
- No requirements for the major can be met by a grade lower than C-.

Code	Title	Credit Hours
Foreign Language Requirements		6
<i>Select 6 credits of a modern foreign language at the 300 level or higher from the following:</i>		
	Chinese	
	French	
	German	
	Italian *	
	Japanese	
	Portuguese *	
	Russian	
	Spanish	
Core Courses **		3
<i>Select 3 credits of the following:</i>		
IGS 200	Introduction to International and Global Studies [†]	
IGS 400	Capstone Seminar in International and Global Studies	
Additional Courses		18
<i>Select 15 credits from Category 1 (S&P) or Category 2 (E&D) [†]</i>		
<i>Select 3 credits (200 level or above) from Category 3 (A&L) or Category 4 (BS&C)</i>		

* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

** 6 credits chosen from the courses listed or approved equivalents.

[†] Maximum of 9 credits in one category and no more than 6 credits in the other category. 6 credits must be upper level (300 level or above).

[†] Counts toward GE Marker GL/GN requirement.

Additional Courses Options

The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the International and Global Affairs and Development concentration.

Note: Further options (subject to director approval) may appear in the guide published on the IGS website.

Code	Title	Credit Hours
Category 1—Society and Politics (S&P)		
<i>200-Level Course Options</i>		
HIS 203	History of Africa to 1870	
HIS 204	History of Africa since 1870	
HIS 208	Topics on the West and the Modern World	
HIS 209	Topics in Modern World History	
HIS 216	The Civilizations of Asia	
HIS 217	The World in the Twentieth Century	
HIS 218	The World since 1945	
HIS 223	European Revolutions, 1789-1989	
HIS 239	The First America: Latin America, 1492-1830	

HIS 240	(Dis)order and Progress: Latin America since 1810
PCS 205	Violence in the Modern World
PCS 212	Introduction to Peace and Conflict Studies
PSC 240	The International System
PSC 250	Model United Nations
PSC 260	Introduction to Comparative Politics
PSC 290	The Politics of the Non-Western World
SOC 202	Social Problems in Global Context
SOC 225	Race, Class, and Gender: Social Inequalities
HIS 215	The Civilizations of Asia *
IGS Marker Required: **	
HDF 211	Human Development Across the Life Span
HSS 202	Seminar in Historical Perspectives: Modern
HSS 208	Seminar in Social and Behavioral Studies
HSS 212	Seminar in Historical Perspectives: Modern
HSS 218	Seminar in Social and Behavioral Studies
HSS 222	Seminar in Historical Perspectives: Modern
HSS 228	Seminar in Social and Behavioral Studies
RCO 202	Residential College Seminar in Historical Perspectives: Modern
RCO 205	Residential College Seminar in Social and Behavioral Studies
RCO 212	Residential College Seminar in Historical Perspectives: Modern
RCO 215	Residential College Seminar in Social and Behavioral Studies
RCO 222	Residential College Seminar in Historical Perspectives: Modern
RCO 225	Residential College Seminar in Social and Behavioral Studies
<i>Upper-Level Course Options</i>	
African American Studies Courses:	
ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
ADS 356	The Making of the African Diaspora
Geography Courses:	
GES 301	Urban Geography: Global Patterns
GES 303	World Population Problems
GES 315	The Geography of World Affairs
GES 333	Geography of Europe
GES 338	Regions of Latin America
GES 340	Geography of East Asia
Health Courses, Public:	
HEA/ENT 307	Global Health
History Courses (300 level):	
HIS 341	Pirates of the Caribbean: The Real Story
HIS 348	The World at War, 1914-1918
HIS 349	The World at War, 1939-1945
HIS 356	The Making of the African Diaspora
HIS 369	History of Spain
HIS 374	British History 1688-Present
HIS 376	German History, 1914-1945
HIS 377	Russian History to 1900

HIS 378	Russian History since 1900
HIS 381	The Near and Middle East since World War I
HIS 389	West Africa during the Atlantic Slave Trade
HIS 392	The Holocaust: History and Meaning
HIS 462	Twentieth-Century Europe: Selected Topics
HIS 464	Modern Britain: Selected Topics
HIS 471	Modern European Thought: Selected Topics
HIS 474	Modern Germany: Selected Topics
HIS 475	Modern Russian History: Selected Topics
HIS 481	African History: Selected Topics
History Courses (400 level):	
HIS 487	Southern African History
HIS 488	East Asian History: Selected Topics
HIS 408	Latin America and Caribbean: Selected Topics
HIS 460	Nineteenth-Century Europe: Selected Topics
HIS 467	French History: Selected Topics
Japanese Courses:	
JNS 306	Current Issues in Japan
Peace and Conflict Studies Courses:	
PCS 305	Foundations of Peace and Conflict Studies
PCS 405	Localizing Peace
PCS 311	Conflict Research
PCS 415	Global Peacebuilding
PCS 406	Environmental Justice: Interdisciplinary Response for Sustainability
PCS 418	Peacebuilding Challenges in a Complex World
Philosophy Courses:	
PHI 338	Ethics and International Affairs
Political Science Courses:	
PSC 341	International Law
PSC 344	Politics of Globalization
PSC 347	International Security
PSC 348	International Organization
PSC 350	Democratic Political Systems
PSC 352	Nationalism and Ethnic Politics
PSC 354	Post-Conflict Politics
PSC 355D	Selected Topics in Comparative Politics: Politics of Industrial Societies
PSC 355J	Selected Topics in Comparative Politics: Middle East Politics
PSC 355K	Selected Topics in Comparative Politics: Russian Politics
PSC 355M	Selected Topics in Comparative Politics: Political Economy
PSC 355N	Selected Topics in Comparative Politics: European Union
PSC 355P	Selected Topics in Comparative Politics: Politics of Latin America
PSC 391	African Political Systems
PSC 392	The Politics of South Africa Through Film and Literature
Sociology Courses:	
SOC 323	Global Deviance

SOC 342	Global Inequalities
SOC 344	Global Society
SOC 346	Population Problems
SOC 371	Immigration, Ethnicity, and Race in a Global Context
SOC 429	Collective Violence and Nonviolence in Global Perspective
HIS 389	West Africa during the Atlantic Slave Trade *
IGS Marker Required: **	
ADS 305	Special Topics in African American Studies
BLS 380	Selected Topics: Historical Perspectives
GES 404	Political Geography
HEA 471	Immigrant and Refugee Health
HIS 320	History of Mexico and Central America
HIS 380	Topics in the Near and Middle East
HIS 492	Honors Work: European History
HIS 493	Honors Work: Wider World History
HIS 414	Topics in World History
PSC 300	Special Topics
PSC 410H	Topics in Public Policy: Global Challenges
PSC 401	Individual Study
SOC 328	Social Movements
SOC 377	Disaster, Self, and Society
Category 2—Economics and Development (E&D)	
<i>200-Level Course Options</i>	
CRS 221	Culture, Human Behavior, and Clothing
ECO 201	Principles of Microeconomics
ECO 202	Principles of Macroeconomics
STH 231	Tourism, Cultures, and Places
STH 251	Multicultural Issues in Hospitality and Tourism
IGS Marker Required: **	
HDF 211	Human Development Across the Life Span
<i>Upper-Level Course Options</i>	
BUS 342	International Entrepreneurship
CRS 363	Global Sourcing of Apparel and Related Consumer Products
ECO 300	The International Economy
ECO 367	Economic Growth and Development
FRE 341	Business French
FRE 499	Community-Based Service Learning in Francophone Studies
GES 301	Urban Geography: Global Patterns
GES 303	World Population Problems
GES 306	World Economic Geography
GES 315	The Geography of World Affairs
GES 333	Geography of Europe
GES 338	Regions of Latin America
GES 340	Geography of East Asia
GES 320	Tourism Planning and Development
HDF 390	Families and Children in Global Perspective
HEA 307	Global Health
HEA 316	Environmental Health
MGT 301	Introduction to International Business

MGT 302	International Business: Operations and Environments in Foreign Jurisdictions
MGT 304	Current Issues in International Business
PCS 405	Localizing Peace
PCS 406	Environmental Justice: Interdisciplinary Response for Sustainability
PCS 440	Social Entrepreneurship: Justice and a Green Environment
PSC 355M	Selected Topics in Comparative Politics: Political Economy
SPA 325	
<i>IGS Marker Required: **</i>	
ATY 420	Economic Anthropology
GES 433	Regional Economic Development
HEA 471	Immigrant and Refugee Health
PSY 370	Ethnicity, Development, and Psychopathology
PSY 433	Research Experience in Psychology
RCS 464	Global Retail Strategy and Management
SWK 315	Social Work, Diversity, and Vulnerable Populations
TED 445	Human Diversity, Teaching, and Learning

Category 3—Arts and Literature (A&L)*200-Level Course Options*

CHI 210	Masterworks of Chinese Literature in Translation
CHI 220	Modern Chinese Literature and Culture
DCE 200	Dance Appreciation
ENG 204	Nonwestern Literary Classics
ENG 208	Topics in Global Literature
ENG 209	Topics in Non-Western Literature
ENG 212	Major British Authors: Romantic to Modern
FRE 222	
GER 217	Masterworks of German Literature Read in English
GER 218	Masterworks of German Literature Read in English
GER 222	The Holocaust in Literature and Art
ITA 222	
JNS 230	Women in Japanese Literature and Film
MUS 241	Music Appreciation
MUS 242	Music for Film
DCE 231	Global Dance Forms ¹
DCE 232	African Dance II ¹
<i>IGS Marker Required: **</i>	
HSS 205	Seminar in the Fine Arts
HSS 207	Seminar in Literature
HSS 215	Seminar in the Fine Arts: Global Non-Western
HSS 217	Seminar in Literature
HSS 225	Seminar in the Fine Arts
HSS 227	Seminar in Literature
MST 225	Film Appreciation
RCO 204	Residential College Seminar in Literature and Rhetoric
RCO 214	Residential College Seminar in Literature and Rhetoric
RCO 224	Residential College Seminar in Literature and Rhetoric

RCO 226	Residential College Seminar in Fine Arts
<i>Upper-Level Course Options</i>	
African American Studies Courses:	
ADS 376	Africana Literature
Art History Courses:	
ARH 345	European Art in the Nineteenth Century
ARH 351	Architecture in the Twentieth Century
ARH 370	African Art: Ancient Empires to Colonial Contact
Chinese Courses:	
CHI 313	Major Figures in Chinese Literature
English Courses:	
ENG 315	Postcolonial Literatures
ENG 316	Studies in Human Rights and Literature
ENG 344	The Romantic Period
ENG 345	The Victorian Period
ENG 346	English Literature from Victorian to Modern
ENG 348	Contemporary British Literature and Culture
ENG 350	The Twentieth-Century English Novel
ENG 445	Nineteenth-Century British Writers
ENG 452	Modern British Writers
ENG 459	Twentieth-Century British Poetry
French Courses:	
FRE 353	Survey of French Literature
FRE 455	Topics in French and Francophone Literature and Film
FRE 458	Topics in Francophone Literature
FRE 463	Studies in Film Genre
German Courses:	
GER 305	German Literature: Advanced Intermediate Topics
GER 309	Topics in Central European Studies since 1918
GER 405	Advanced Topics in German Literature
GER 422	German Memory in Fiction and Film
Humanities Courses:	
BLS 322	Revolutionary Lives
BLS 327	Contemporary Asian Literature
Media Studies Courses:	
MST 327	Non-Western Film: Asian
MST 302	Introduction to Film History
MST 420	History of Film to 1938
MST 421	History of Film since 1938
Music Courses:	
MUS 333	History of Western Music III
MUS 343	Music Cultures of the World
MUS 354	Modern Asia Through Its Music
Russian Courses:	
RUS 306	Slavic Life and Letters: Topics
RUS 313	Major Authors in Russian Literature
RUS 314	Major Movements in Russian Literature and Culture
Spanish Courses:	
SPA 351	Introduction to Literary Studies
SPA 407	Topics in Spanish Literature

SPA 452	Topics in Spanish Literature
SPA 462	Studies in Film Genre
Theatre Courses:	
THR 401	Theatre History II
THR 402	Theatre History III
THR 406	Non-Western Theatre and/or Film
DCE 332	African Dance III***
<i>IGS Marker Required: **</i>	
ARH 352	Early Twentieth-Century Art
ARH 353	Late Twentieth-Century Art
ARH 411	Topics in the History of Art
BLS 320	Selected Topics: Literature
BLS 323	Contemporary Short Stories
BLS 325	Mystery, Mayhem, and Murder
BLS 326	Telling Stories: The Memoir
BLS 348	Representing Women
BLS 386	Women, War, and Terror
ENG 215	Literature and Film
ENG 331	Women in Literature
ENG 347	Topics in Post-1800 Literature
ENG 353	The Contemporary Novel
ENG 358	Modern Poetry
ENG 359	Contemporary Poetry
ENG 453	Topics in English Studies
ENG 482	Modern Drama
FRE 450	Topics in French Literary Movements
FRE 451	Topics in French Prose Fiction
FRE 456	Topics in French Theatre
FRE 457	Advanced Topics in French Literature
FRE 459	Topics in French Poetry
MUS 431	Selected Topics in Ethnomusicology
MUS 485	Music of the Nineteenth Century
MUS 486	Music of the Twentieth Century
PHI 322	Philosophy of the Arts
SPA 406	Topics in Latin American Literature
SPA 454	Topics in Spanish American Literature

Category 4—Belief Systems and Cultures (BS&C)*200-Level Course Options*

ATY 213	Introduction to Cultural Anthropology
CHI 220	Modern Chinese Literature and Culture
CRS 221	Culture, Human Behavior, and Clothing
FRE 232	Images of France and the Francophone World
IGS 295	Study Abroad for Global Engagement: Pre-Departure
IGS 296	Study Abroad for Global Engagement: Field Experience
IGS 297	Study Abroad for Global Engagement: Re-Entry Reflections and Applications
JNS 220	Modern Japan
PHI 252	History of Modern Philosophy
PHI 267	Existentialism
REL 201	The Bible in Western Culture
REL 215	Judaism

REL 217	The Synagogue
REL 221	Buddhism
REL 223	Hinduism
REL 225	Islam
REL 226	Approaches to the Qur'an
REL 240	Modern Judaism
REL 248	Comparative Religious Ethics
REL 250	Religious Traditions and Care of the Earth
REL 251	Topics in Religious Social Ethics
STH 231	Tourism, Cultures, and Places
STH 251	Multicultural Issues in Hospitality and Tourism
<i>IGS Marker Required: **</i>	
HSS 206	Seminar in Philosophical/Religious/Ethical Principles
HSS 216	Seminar in Philosophical/Religious/Ethical Principles
HSS 226	Seminar in Philosophical/Religious/Ethical Principles
RCO 203	Residential College Seminar in Philosophical/Religious/Ethical Principles
RCO 213	Residential College Seminar in Philosophical/Religious/Ethical Principles
RCO 223	Residential College Seminar in Philosophical/Religious/Ethical Principles

*Upper-Level Course Options***African American Studies Courses:**

ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
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Anthropology Courses:

ATY 315	World Ethnographies
ATY 333	Latin American Societies and Cultures
ATY 334	Latin American Art and Archaeology
ATY 335	Cultures of Africa
ATY 385	Language and Culture
ATY 426	Food and Culture in a Global Context
ATY 434	Archaeology of South America
ATY 447	Myth, Magic, and Religion

Chinese Courses:

CHI 305	Topics in Chinese Culture
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Communication Studies Courses:

CST 337	Intercultural Communication
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French Courses:

FRE 332	Introduction to French Civilization and Culture
FRE 433	French and Francophone Civilization and Culture

German Courses:

GER 310	German Culture: Advanced Intermediate-Topics in German Film
GER 309	Topics in Central European Studies since 1918
GER 406	Advanced Topics in German Culture
GER 422	German Memory in Fiction and Film

Humanities Courses:

BLS 381	Old Europe/New Europe
BLS 386	Women, War, and Terror

Japanese Studies Courses:

JNS 306	Current Issues in Japan
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Music Courses:

MUS 343	Music Cultures of the World
MUS 354	Modern Asia Through Its Music

Nursing Courses:

NUR 390	Culture and Health Care
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Peace and Conflict Studies Courses:

PCS 309	Conflict and Culture
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Philosophy Courses:

PHI 338	Ethics and International Affairs
PHI 348	Existentialism, Phenomenology, and Structuralism
PHI 445	Social Philosophy

Religious Studies Courses:

REL 312	Judaism and the Construction of Gender
REL 340	Modern Jewish Thinkers
REL 368	Religion in South Asia: Selected Topics

Spanish Courses:

SPA 311	Views of the Hispanic World Through Intermediate Conversation
SPA 332	Introduction to Spanish Culture
SPA 334	Introduction to Spanish American Culture
SPA 432	Topics in Spanish Culture and Civilization
SPA 436	Topics in Spanish-American Culture and Civilization

Sustainable Tourism and Hospitality Courses:

*IGS Marker Required: ***

ADS 305	Special Topics in African American Studies
ATY 311	Reading Culture and Society
ATY 450	Environmental Anthropology
ATY 403	Selected Topics in Anthropology
BLS 360	Selected Topics: Philosophy/Religion/Ethics
BLS 383	Religious Resistance to Political Power
CST 460	Special Topics in Communication Research
PHI 331	Social and Political Philosophy
SPA 435	Selected Topics in U.S. Latino/Latina Cultural Studies
WGS 333	Postcolonial and Transnational Feminisms
WGS 450	Topics Seminar in Women's and Gender Studies

* *Exception to the 51 Percent Modern Requirement.*

** *The courses listed apply only when carrying the IGS marker in the Schedule of Courses for the term taken.*

¹ *1 credit Dance Courses. The courses listed must be taken three times to qualify.*

International and Global Arts and Belief Systems Concentration Requirements

Administered by the International and Global Studies Program (p. 324).

- 30 credits at the 200 level and above.
- To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained.
- No requirements for the major can be met by a grade lower than C-.

Code	Title	Credit Hours
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Foreign Language Requirements

Select 6 credits at the 300 level or higher from the following:

Chinese
French
German
Italian *
Japanese
Portuguese *
Russian
Spanish

Core Courses **

Select 3 credits from the following:

IGS 200	Introduction to International and Global Studies [†]
IGS 400	Capstone Seminar in International and Global Studies

Additional Courses

Select 15 credits from Category 3 (A&L) or Category 4 (BS&C) ¹

Select 3 credits (200 level or above) from Category 1 (S&P) or Category 2 (E&D)

* *Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.*

** *6 credits chosen from the courses listed or approved equivalents.*

¹ *Maximum of 9 credits in one category and no more than 6 credits in the other category. 9 credits must be upper level (300 level or above).*

[†] *Counts toward GE Marker GL/GN requirement.*

Additional Courses Options

The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the International and Global Affairs and Development concentration.

Note: Further options (subject to director approval) may appear in the guide published on the IGS website.

Code	Title	Credit Hours
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Category 1—Society and Politics (S&P)

<i>200-Level Course Options</i>		
HIS 203	History of Africa to 1870	
HIS 204	History of Africa since 1870	
HIS 208	Topics on the West and the Modern World	
HIS 209	Topics in Modern World History	
HIS 216	The Civilizations of Asia	
HIS 217	The World in the Twentieth Century	
HIS 218	The World since 1945	
HIS 223	European Revolutions, 1789-1989	
HIS 239	The First America: Latin America, 1492-1830	
HIS 240	(Dis)order and Progress: Latin America since 1810	
PCS 205	Violence in the Modern World	
PCS 212	Introduction to Peace and Conflict Studies	
PSC 240	The International System	
PSC 250	Model United Nations	
PSC 260	Introduction to Comparative Politics	

PSC 290	The Politics of the Non-Western World
SOC 202	Social Problems in Global Context
SOC 225	Race, Class, and Gender: Social Inequalities
HIS 215	The Civilizations of Asia *
<i>IGS Marker Required: **</i>	
HDF 211	Human Development Across the Life Span
HSS 202	Seminar in Historical Perspectives: Modern
HSS 208	Seminar in Social and Behavioral Studies
HSS 212	Seminar in Historical Perspectives: Modern
HSS 218	Seminar in Social and Behavioral Studies
HSS 222	Seminar in Historical Perspectives: Modern
HSS 228	Seminar in Social and Behavioral Studies
RCO 202	Residential College Seminar in Historical Perspectives: Modern
RCO 205	Residential College Seminar in Social and Behavioral Studies
RCO 212	Residential College Seminar in Historical Perspectives: Modern
RCO 215	Residential College Seminar in Social and Behavioral Studies
RCO 222	Residential College Seminar in Historical Perspectives: Modern
RCO 225	Residential College Seminar in Social and Behavioral Studies

*Upper-Level Course Options***African American Studies Courses:**

ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
ADS 356	The Making of the African Diaspora

Geography Courses:

GES 301	Urban Geography: Global Patterns
GES 303	World Population Problems
GES 315	The Geography of World Affairs
GES 333	Geography of Europe
GES 338	Regions of Latin America
GES 340	Geography of East Asia

Health Courses, Public:

HEA 307	Global Health
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History Courses (300 level):

HIS 341	Pirates of the Caribbean: The Real Story
HIS 348	The World at War, 1914-1918
HIS 349	The World at War, 1939-1945
HIS 356	The Making of the African Diaspora
HIS 369	History of Spain
HIS 374	British History 1688-Present
HIS 376	German History, 1914-1945
HIS 377	Russian History to 1900
HIS 378	Russian History since 1900
HIS 381	The Near and Middle East since World War I
HIS 389	West Africa during the Atlantic Slave Trade
HIS 392	The Holocaust: History and Meaning

History Courses (400 level):

HIS 462	Twentieth-Century Europe: Selected Topics
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HIS 464	Modern Britain: Selected Topics
HIS 471	Modern European Thought: Selected Topics
HIS 474	Modern Germany: Selected Topics
HIS 475	Modern Russian History: Selected Topics
HIS 481	African History: Selected Topics
HIS 487	Southern African History
HIS 488	East Asian History: Selected Topics
HIS 408	Latin America and Caribbean: Selected Topics
HIS 460	Nineteenth-Century Europe: Selected Topics
HIS 467	French History: Selected Topics

Japanese Courses:

JNS 306	Current Issues in Japan
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Peace and Conflict Studies Courses:

PCS 305	Foundations of Peace and Conflict Studies
PCS 405	Localizing Peace
PCS 311	Conflict Research
PCS 415	Global Peacebuilding
PCS 406	Environmental Justice: Interdisciplinary Response for Sustainability
PCS 418	Peacebuilding Challenges in a Complex World

Philosophy Courses:

PHI 338	Ethics and International Affairs
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Political Science Courses:

PSC 341	International Law
PSC 344	Politics of Globalization
PSC 347	International Security
PSC 348	International Organization
PSC 350	Democratic Political Systems
PSC 352	Nationalism and Ethnic Politics
PSC 354	Post-Conflict Politics
PSC 355D	Selected Topics in Comparative Politics: Politics of Industrial Societies
PSC 355J	Selected Topics in Comparative Politics: Middle East Politics
PSC 355K	Selected Topics in Comparative Politics: Russian Politics
PSC 355M	Selected Topics in Comparative Politics: Political Economy
PSC 355N	Selected Topics in Comparative Politics: European Union
PSC 355P	Selected Topics in Comparative Politics: Politics of Latin America
PSC 391	African Political Systems
PSC 392	The Politics of South Africa Through Film and Literature

Sociology Courses:

SOC 323	Global Deviance
SOC 342	Global Inequalities
SOC 344	Global Society
SOC 346	Population Problems
SOC 371	Immigration, Ethnicity, and Race in a Global Context
SOC 429	Collective Violence and Nonviolence in Global Perspective

HIS 389	West Africa during the Atlantic Slave Trade *
<i>IGS Marker Required: **</i>	
ADS 305	Special Topics in African American Studies
BLS 380	Selected Topics: Historical Perspectives
GES 404	Political Geography
HEA 471	Immigrant and Refugee Health
HIS 320	History of Mexico and Central America
HIS 380	Topics in the Near and Middle East
HIS 492	Honors Work: European History
HIS 493	Honors Work: Wider World History
HIS 414	Topics in World History
PSC 300	Special Topics
PSC 401	Individual Study
PSC 410H	Topics in Public Policy: Global Challenges
SOC 328	Social Movements
SOC 377	Disaster, Self, and Society

Category 2—Economics and Development (E&D)*200-Level Course Options*

CRS 221	Culture, Human Behavior, and Clothing
ECO 201	Principles of Microeconomics
ECO 202	Principles of Macroeconomics
STH 231	Tourism, Cultures, and Places
STH 251	Multicultural Issues in Hospitality and Tourism

IGS Marker Required: **

HDF 211	Human Development Across the Life Span
<i>Upper-Level Course Options</i>	
BUS 342	International Entrepreneurship
CRS 363	Global Sourcing of Apparel and Related Consumer Products
ECO 300	The International Economy
ECO 367	Economic Growth and Development
FRE 341	Business French
FRE 499	Community-Based Service Learning in Francophone Studies
GES 301	Urban Geography: Global Patterns
GES 303	World Population Problems
GES 306	World Economic Geography
GES 315	The Geography of World Affairs
GES 333	Geography of Europe
GES 338	Regions of Latin America
GES 340	Geography of East Asia
GES 320	Tourism Planning and Development
HDF 390	Families and Children in Global Perspective
HEA 307	Global Health
HEA 316	Environmental Health
MGT 301	Introduction to International Business
MGT 302	International Business: Operations and Environments in Foreign Jurisdictions
MGT 304	Current Issues in International Business
PCS 405	Localizing Peace
PCS 406	Environmental Justice: Interdisciplinary Response for Sustainability

PCS 440	Social Entrepreneurship: Justice and a Green Environment
PSC 355M	Selected Topics in Comparative Politics: Political Economy
SPA 325	
<i>IGS Marker Required: **</i>	
ATY 420	Economic Anthropology
GES 433	Regional Economic Development
HEA 471	Immigrant and Refugee Health
PSY 370	Ethnicity, Development, and Psychopathology
PSY 433	Research Experience in Psychology
RCS 464	Global Retail Strategy and Management
SWK 315	Social Work, Diversity, and Vulnerable Populations
TED 445	Human Diversity, Teaching, and Learning

Category 3—Arts and Literature (A&L)*200-Level Course Options*

CHI 210	Masterworks of Chinese Literature in Translation
CHI 220	Modern Chinese Literature and Culture
DCE 200	Dance Appreciation
ENG 204	Nonwestern Literary Classics
ENG 208	Topics in Global Literature
ENG 209	Topics in Non-Western Literature
ENG 212	Major British Authors: Romantic to Modern
FRE 222	
GER 217	Masterworks of German Literature Read in English
GER 218	Masterworks of German Literature Read in English
GER 222	The Holocaust in Literature and Art
ITA 222	
JNS 230	Women in Japanese Literature and Film
MUS 241	Music Appreciation
MUS 242	Music for Film
DCE 231	Global Dance Forms ¹
DCE 232	African Dance II ¹

*IGS Marker Required: ***

HSS 205	Seminar in the Fine Arts
HSS 207	Seminar in Literature
HSS 215	Seminar in the Fine Arts: Global Non-Western
HSS 217	Seminar in Literature
HSS 225	Seminar in the Fine Arts
HSS 227	Seminar in Literature
MST 225	Film Appreciation
RCO 204	Residential College Seminar in Literature and Rhetoric
RCO 214	Residential College Seminar in Literature and Rhetoric
RCO 224	Residential College Seminar in Literature and Rhetoric
RCO 226	Residential College Seminar in Fine Arts

*Upper-Level Course Options***African American Studies Courses:**

ADS 376	Africana Literature
Art History Courses:	
ARH 345	European Art in the Nineteenth Century

ARH 351	Architecture in the Twentieth Century
ARH 370	African Art: Ancient Empires to Colonial Contact
Chinese Courses:	
CHI 313	Major Figures in Chinese Literature
English Courses:	
ENG 315	Postcolonial Literatures
ENG 316	Studies in Human Rights and Literature
ENG 344	The Romantic Period
ENG 345	The Victorian Period
ENG 346	English Literature from Victorian to Modern
ENG 348	Contemporary British Literature and Culture
ENG 350	The Twentieth-Century English Novel
ENG 445	Nineteenth-Century British Writers
ENG 452	Modern British Writers
ENG 459	Twentieth-Century British Poetry
French Courses:	
FRE 353	Survey of French Literature
FRE 455	Topics in French and Francophone Literature and Film
FRE 458	Topics in Francophone Literature
FRE 461	
FRE 463	Studies in Film Genre
German Courses:	
GER 305	German Literature: Advanced Intermediate Topics
GER 309	Topics in Central European Studies since 1918
GER 405	Advanced Topics in German Literature
GER 422	German Memory in Fiction and Film
Humanities Courses:	
BLS 322	Revolutionary Lives
BLS 327	Contemporary Asian Literature
Media Studies Courses:	
MST 327	Non-Western Film: Asian
MST 302	Introduction to Film History
MST 420	History of Film to 1938
MST 421	History of Film since 1938
Music Courses:	
MUS 333	History of Western Music III
MUS 343	Music Cultures of the World
MUS 354	Modern Asia Through Its Music
Russian Courses:	
RUS 306	Slavic Life and Letters: Topics
RUS 313	Major Authors in Russian Literature
RUS 314	Major Movements in Russian Literature and Culture
Spanish Courses:	
SPA 351	Introduction to Literary Studies
SPA 407	Topics in Spanish Literature
SPA 452	Topics in Spanish Literature
SPA 462	Studies in Film Genre
Theatre Courses:	
THR 401	Theatre History II
THR 402	Theatre History III

THR 406	Non-Western Theatre and/or Film
DCE 332	African Dance III ***
<i>IGS Marker Required: **</i>	
ARH 352	Early Twentieth-Century Art
ARH 353	Late Twentieth-Century Art
ARH 411	Topics in the History of Art
BLS 320	Selected Topics: Literature
BLS 323	Contemporary Short Stories
BLS 325	Mystery, Mayhem, and Murder
BLS 326	Telling Stories: The Memoir
BLS 348	Representing Women
BLS 386	Women, War, and Terror
ENG 215	Literature and Film
ENG 331	Women in Literature
ENG 347	Topics in Post-1800 Literature
ENG 353	The Contemporary Novel
ENG 358	Modern Poetry
ENG 359	Contemporary Poetry
ENG 453	Topics in English Studies
ENG 482	Modern Drama
FRE 450	Topics in French Literary Movements
FRE 451	Topics in French Prose Fiction
FRE 456	Topics in French Theatre
FRE 457	Advanced Topics in French Literature
FRE 459	Topics in French Poetry
MUS 431	Selected Topics in Ethnomusicology
MUS 485	Music of the Nineteenth Century
MUS 486	Music of the Twentieth Century
PHI 322	Philosophy of the Arts
SPA 406	Topics in Latin American Literature
SPA 454	Topics in Spanish American Literature

Category 4—Belief Systems and Cultures (BS&C)

<i>200-Level Course Options</i>	
ATY 213	Introduction to Cultural Anthropology
CHI 220	Modern Chinese Literature and Culture
CRS 221	Culture, Human Behavior, and Clothing
FRE 232	Images of France and the Francophone World
IGS 295	Study Abroad for Global Engagement: Pre-Departure
IGS 296	Study Abroad for Global Engagement: Field Experience
IGS 297	Study Abroad for Global Engagement: Re-Entry Reflections and Applications
JNS 220	Modern Japan
PHI 252	History of Modern Philosophy
PHI 267	Existentialism
REL 201	The Bible in Western Culture
REL 215	Judaism
REL 217	The Synagogue
REL 221	Buddhism
REL 223	Hinduism
REL 225	Islam
REL 226	Approaches to the Qur'an

REL 240	Modern Judaism
REL 248	Comparative Religious Ethics
REL 250	Religious Traditions and Care of the Earth
REL 251	Topics in Religious Social Ethics
STH 231	Tourism, Cultures, and Places
STH 251	Multicultural Issues in Hospitality and Tourism
<i>IGS Marker Required: **</i>	
HSS 206	Seminar in Philosophical/Religious/Ethical Principles
HSS 216	Seminar in Philosophical/Religious/Ethical Principles
HSS 226	Seminar in Philosophical/Religious/Ethical Principles
RCO 203	Residential College Seminar in Philosophical/Religious/Ethical Principles
RCO 213	Residential College Seminar in Philosophical/Religious/Ethical Principles
RCO 223	Residential College Seminar in Philosophical/Religious/Ethical Principles

African American Studies Courses:

ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
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Anthropology Courses:

ATY 315	World Ethnographies
ATY 333	Latin American Societies and Cultures
ATY 334	Latin American Art and Archaeology
ATY 335	Cultures of Africa
ATY 385	Language and Culture
ATY 426	Food and Culture in a Global Context
ATY 434	Archaeology of South America
ATY 447	Myth, Magic, and Religion

Chinese Courses:

CHI 305	Topics in Chinese Culture
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Communication Studies Courses:

CST 337	Intercultural Communication
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French Courses:

FRE 332	Introduction to French Civilization and Culture
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German Courses:

GER 310	German Culture: Advanced Intermediate-Topics in German Film
GER 309	Topics in Central European Studies since 1918
GER 406	Advanced Topics in German Culture
GER 422	German Memory in Fiction and Film

Humanities Courses:

BLS 381	Old Europe/New Europe
BLS 386	Women, War, and Terror

Japanese Studies Courses:

JNS 306	Current Issues in Japan
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Music Courses:

MUS 343	Music Cultures of the World
MUS 354	Modern Asia Through Its Music

Nursing Courses:

NUR 390	Culture and Health Care
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Peace and Conflict Studies Courses:

PCS 309	Conflict and Culture
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Philosophy Courses:

PHI 338	Ethics and International Affairs
PHI 348	Existentialism, Phenomenology, and Structuralism

Religious Studies Courses:

REL 312	Judaism and the Construction of Gender
REL 340	Modern Jewish Thinkers
REL 368	Religion in South Asia: Selected Topics

Spanish Courses:

SPA 311	Views of the Hispanic World Through Intermediate Conversation
SPA 332	Introduction to Spanish Culture
SPA 334	Introduction to Spanish American Culture
SPA 432	Topics in Spanish Culture and Civilization
SPA 436	Topics in Spanish-American Culture and Civilization

Sustainable Tourism and Hospitality Courses:*IGS Marker Required: ***

ADS 305	Special Topics in African American Studies
ATY 311	Reading Culture and Society
ATY 450	Environmental Anthropology
ATY 403	Selected Topics in Anthropology
BLS 360	Selected Topics: Philosophy/Religion/Ethics
BLS 383	Religious Resistance to Political Power
CST 460	Special Topics in Communication Research
PHI 331	Social and Political Philosophy
SPA 435	Selected Topics in U.S. Latino/Latina Cultural Studies
WGS 333	Postcolonial and Transnational Feminisms
WGS 450	Topics Seminar in Women's and Gender Studies

* *Exceptions to the 51 Percent Modern Requirement.*** *The following courses apply only when carrying the IGS marker in the Schedule of Courses for the term taken.*¹ *The courses listed must be taken three times to qualify.*

International and Global Human Rights Concentration Requirements

Administered by the International and Global Studies Program (p. 324).

30 credits at the 200 level and above. To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained. No requirements for the major can be met by a grade lower than C-.

Code	Title	Credit Hours
Foreign Language Requirements		
<i>Select 6 credits of a modern foreign language at the 300 level or higher from the following:</i>		
	Chinese	
	French	
	German	
	Italian *	

Japanese
Portuguese *
Russian
Spanish

Core Courses **

Select 3 credits of the following:

IGS 200	Introduction to International and Global Studies [†]
IGS 400	Capstone Seminar in International and Global Studies

Additional Courses [†]

Select 15 credits from courses identified in the Additional Courses Options for the IGHR concentration. Must use the Additional Course Options for this concentration. 9 credits must be upper level (300 level or above). No more than 3 credits may focus on human rights in the U.S.

Select 3 credits (200 level and above) from courses identified in the Additional Courses Options for any concentration. May use the Additional Courses Options for any International and Global Studies concentration.

* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

** 6 credits chosen from the courses as listed or approved electives.

[†] No more than 9 credits may come from any single category. Once 9 credits are selected from any single category, no more than 6 credits may be taken in each of the remaining categories.

[†] Counts toward GE Marker GL/GN requirement.

Additional Courses Options

The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the International and Global Human Rights concentration.

Note: Further options (subject to director approval) may appear in the guide published on the IGS website.

Code	Title	Credit Hours
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Category 1—Society and Politics (S&P)*200-Level Course Options*

ADS 201	Introduction to African American Studies
ADS 210	Blacks in American Society: Social, Economic, and Political Perspectives
HIS 203	History of Africa to 1870
HIS 204	History of Africa since 1870
HIS 218	The World since 1945
PCS 205	Violence in the Modern World
PCS 212	Introduction to Peace and Conflict Studies
PSC 290	The Politics of the Non-Western World
PSC 240	The International System
SOC 202	Social Problems in Global Context
SOC 225	Race, Class, and Gender: Social Inequalities

*Upper-Level Course Options***African American Studies Courses:**

ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
ADS 356	The Making of the African Diaspora

Communication Studies Courses:

CST 406	Speaking Out for Community Change
CST 440	Reclaiming Democracy: Dialogue, Decision-Making, Community Action

Health Courses, Public:

BUS 440	Social Entrepreneurship: Justice and a Green Environment
HEA/ENT 307	Global Health
HEA 471	Immigrant and Refugee Health

History Courses:

HIS 301	Race and Slavery
HIS 302	Race and Segregation
HIS 332	Civil Rights and Black Freedom, 1940-1980
HIS 376	German History, 1914-1945
HIS 381	The Near and Middle East since World War I
HIS 389	West Africa during the Atlantic Slave Trade
HIS 392	The Holocaust: History and Meaning
HIS 474	Modern Germany: Selected Topics
HIS 475	Modern Russian History: Selected Topics
HIS 481	African History: Selected Topics
HIS 487	Southern African History

Management Courses:

MGT 475	Employment and Human Resource Law
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Philosophy Courses:

PHI 331	Social and Political Philosophy
PHI 335	Philosophy of Law
PHI 338	Ethics and International Affairs

Political Science Courses:

PSC 320	Civil Liberties
PSC 341	International Law
PSC 352	Nationalism and Ethnic Politics
PSC 354	Post-Conflict Politics
PSC 391	African Political Systems
PSC 392	The Politics of South Africa Through Film and Literature
PSC 410K	Topics in Public Policy: Ethics in Public Policy

Specialized Education Services Courses:

SES 400	Perspectives on the Global Deaf Community
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Sociology Courses:

SOC 317	Criminal Justice
SOC 323	Global Deviance
SOC 327	Race and Ethnic Relations
SOC 328	Social Movements
SOC 342	Global Inequalities
SOC 344	Global Society
SOC 371	Immigration, Ethnicity, and Race in a Global Context
SOC 426	Comparative Minority Relations
SOC 429	Collective Violence and Nonviolence in Global Perspective

IGS Marker Required: *

SOC 377	Disaster, Self, and Society
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Category 2—Economics and Development (E&D)

200-Level Course Options	
None available.	
Upper-Level Course Options	
BUS 440	Social Entrepreneurship: Justice and a Green Environment
CST 406	Speaking Out for Community Change
ECO 370	Labor Economics
HEA 307	Global Health
HEA 471	Immigrant and Refugee Health
MGT 475	Employment and Human Resource Law
PHI 361	Ethical Issues in Business
Category 3—Arts and Literature (A&L)	
200-Level Course Options	
ENG 209	Topics in Non-Western Literature
GER 222	The Holocaust in Literature and Art
Upper-Level Course Options	
BLS 322	Revolutionary Lives
BLS 386	Women, War, and Terror
ENG 315	Postcolonial Literatures
ENG 316	Studies in Human Rights and Literature
FRE 455	Topics in French and Francophone Literature and Film
FRE 458	Topics in Francophone Literature
Category 4—Belief Systems and Culture (BS&C)	
200-Level Course Options	
REL 248	Comparative Religious Ethics
REL 251	Topics in Religious Social Ethics
Upper-Level Course Options	
ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
ADS 356	The Making of the African Diaspora
ATY 450	Environmental Anthropology
BLS 383	Religious Resistance to Political Power
BLS 386	Women, War, and Terror
CSC 312	Ethics in Computer Science
CST 344	Conflict Communication
CST 460	Special Topics in Communication Research
CST 406	Speaking Out for Community Change
PHI 331	Social and Political Philosophy
PHI 335	Philosophy of Law
PHI 338	Ethics and International Affairs
PHI 361	Ethical Issues in Business
IGS Marker Required: *	
WGS 333	Postcolonial and Transnational Feminisms
WGS 450	Topics Seminar in Women's and Gender Studies

* The following courses apply only when carrying the IGS marker in the Schedule of Courses for the term taken.

Latin American and Caribbean Studies Concentration Requirements

Administered by the International and Global Studies Program (p. 324).

30 credits at the 200 level and above. To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained. No requirements for the major can be met by a grade lower than C-.

Code	Title	Credit Hours
Foreign Language Requirements		
Select 6 credits of a modern foreign language at the 300 level or higher from the following:		
Chinese		
French		
German		
Italian *		
Japanese		
Portuguese *		
Russian		
Spanish		
Core Courses **		
Select 3 credits from the following:		
IGS 200	Introduction to International and Global Studies †	
IGS 400	Capstone Seminar in International and Global Studies	
Additional Courses		
Select 18 credits of additional courses †		

* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

** 6 credits chosen from the courses as listed or approved equivalents.

† Must include a minimum of 9 credits at the upper level (300 level or above)

No more than 9 credits may come from any single category. Once 9 credits are selected from any single category, no more than 6 credits may be taken in each of the remaining categories.

- Must include 12–18 credits from courses identified in the Additional Courses Options for the LACS concentration. Must use the Additional Course Options for this concentration.
- Must include 6–9 credits at the upper level (300 level or above).
- May include 0–6 credits 200-level and above courses from courses identified in the Additional Courses Options for any concentration
- May use the Additional Courses Options for any International and Global Studies concentration.
- Must include 0–3 credits at the upper level (300 level or above)

† Counts toward GE Marker GL/GN requirement.

Additional Courses Options
The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the Latin American and Caribbean Studies concentration.

Note: Further options (subject to director approval) may appear in the guide published on the IGS website.

Code	Title	Credit Hours
Category 1—Society and Politics (S&P)		
200-Level Course Options		
HIS 240	(Dis)order and Progress: Latin America since 1810	

HIS 239	The First America: Latin America, 1492-1830 *
HIS 240	(Dis)order and Progress: Latin America since 1810 *

Upper-Level Course Options

ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
ADS 356	The Making of the African Diaspora
GES 338	Regions of Latin America
HIS 320	History of Mexico and Central America
HIS 408	Latin America and Caribbean: Selected Topics
PSC 350	Democratic Political Systems
PSC 355P	Selected Topics in Comparative Politics: Politics of Latin America
HIS 341	Pirates of the Caribbean: The Real Story *

Category 2—Economics and Development (E&D)

200-Level Course Options

None available

Upper-Level Course Options

GES 338	Regions of Latin America
ATY 426	Food and Culture in a Global Context

Category 3—Arts and Literature (A&L)

200-Level Course Options

Upper-Level Course Options

SPA 406	Topics in Latin American Literature
SPA 454	Topics in Spanish American Literature

Category 4—Belief Systems and Cultures (BS&C)

200-Level Course Options

IGS 295	Study Abroad for Global Engagement: Pre-Departure
IGS 296	Study Abroad for Global Engagement: Field Experience
IGS 297	Study Abroad for Global Engagement: Re-Entry Reflections and Applications

Upper-Level Course Options

ATY 333	Latin American Societies and Cultures
SPA 334	Introduction to Spanish American Culture
SPA 436	Topics in Spanish-American Culture and Civilization
SPA 435	Selected Topics in U.S. Latino/Latina Cultural Studies
ATY 334	Latin American Art and Archaeology *
ATY 434	Archaeology of South America *

* Exceptions to the 51 Percent Modern Requirement.

Professional Studies Concentration Requirements

Administered by the Bachelor of Arts in Liberal Studies Program (p. 256).

Rationale and Program Objectives

The Special Programs in Liberal Studies, Professional Studies concentration, is a multidisciplinary online program. The program is designed to provide students with an opportunity to earn their baccalaureate degree online by combining course work from the

humanities, social sciences, and other fields in a curriculum that emphasizes the skills and knowledge that will be helpful in the workplace.

Upon completing the Special Programs in Liberal Studies Social Sciences Concentration students will be able to:

- Communicate clearly and effectively in an appropriate professional style.
- Read texts with careful attention.
- Think critically and analytically.
- Connect learning in the humanities, social sciences, and other fields to their professional lives.

Minimum of 30 credits above the 100 level including the courses as listed below.

Code	Title	Credit Hours
Core Requirements		9
ENG 327	Writing for Professionals and Entrepreneurs	
CST 341	Communication and Workplace Relationships	
PHI 361	Ethical Issues in Business	
Distribution Requirements		6
<i>Humanities</i>		
Select one of the following:		
BLS 321	Reading and the Human Experience	
BLS 363	Ethics and Technology	
BLS 385	American Motherhood	
<i>Social Sciences</i>		
Select one of the following:		
CST 315	Persuasion and Social Influence	
PSY 444	Changing Behavior in Real World Settings	
SOC 354		
Area Emphasis		12
Select four courses in consultation with your advisor *		
Capstone Seminar		3
BLS 400	Senior Seminar in the Humanities	
or SSC 400	Senior Seminar in the Social Sciences	

* The area of emphasis can focus on a variety of topics or be customized to the student's professional aspirations. Courses may come from the Bachelor of Arts in Liberal Studies Humanities and/or Social Sciences Concentrations, other university courses, and approved transfer courses.

Russian Studies Concentration Requirements

Administered by the International and Global Studies Program (p. 324).

30 credits at the 200 level and above. To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained. No requirements for the major can be met by a grade lower than C-.

Code	Title	Credit Hours
Foreign Language Requirements		
Select 6 credits of a modern foreign language at the 300 level or higher from the following:		
	Chinese	

French	
German	
Italian *	
Japanese	
Portuguese *	
Russian	
Spanish	
Core Courses **	
<i>Select 3 credits of the following:</i>	
IGS 200	Introduction to International and Global Studies †
IGS 400	Capstone Seminar in International and Global Studies

Additional Courses

<i>Select 18 credits of additional courses ¹</i>	
---	--

* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

** 6 credits chosen from the courses as listed or approved equivalents.

¹ Must include a minimum of 9 credits at the upper level (300 level or above).

No more than 9 credits may come from any single category.

Once 9 credits are selected from any single category, no more than 6 credits may be taken in each of the remaining categories.

- Must include 12-18 credits from courses identified in the Additional Courses Options for the LACS concentration. Must use the Additional Course Options for this concentration.
- Must include 6-9 credits at the upper level (300 level or above).
- May include 0-6 credits 200-level and above courses from courses identified in the Additional Courses Options for any concentration.
- May use the Additional Courses Options for any International and Global Studies concentration.
- Must include 0-3 credits at the upper level (300 level or above).

† Counts toward GE Marker GL/GN requirement.

Additional Courses Options

The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the Russian Studies concentration.

Note: Further options (subject to director approval) may appear in the guide published on the IGS website.

Code	Title	Credit Hours
Category 1—Society and Politics (S&P)		
<i>200-Level Course Options</i>		
None available.		
<i>Upper-Level Course Options</i>		
HIS 377	Russian History to 1900	
HIS 378	Russian History since 1900	
HIS 575	Modern Russian History: Selected Topics	
PSC 352	Nationalism and Ethnic Politics	
PSC 355K	Selected Topics in Comparative Politics: Russian Politics	
Category 2—Economics and Development (E&D)		
<i>200-Level Course Options</i>		
None available.		

Upper-Level Course Options

None available.

Category 3—Arts and Literature (A&L)*200-Level Course Options*

MUS 242 Music for Film

Upper-Level Course Options

BLS 322 Revolutionary Lives

RUS 306 Slavic Life and Letters: Topics

RUS 313 Major Authors in Russian Literature

RUS 314 Major Movements in Russian Literature and Culture

Category 4—Belief Systems and Cultures (BS&C)*200-Level Course Options*

IGS 295 Study Abroad for Global Engagement: Pre-Departure

IGS 296 Study Abroad for Global Engagement: Field Experience

IGS 297 Study Abroad for Global Engagement: Re-Entry Reflections and Applications

Upper-Level Course Options

REL 303 Christianity in Byzantium *

* Exception to the 51 Percent Modern Requirement

Social Sciences Concentration Requirements

Administered by the Bachelor of Arts in Liberal Studies Program (p. 256).

Rationale and Program Objectives

The Special Programs in Liberal Studies, Social Sciences Concentration, is a multidisciplinary online program. The program is designed to provide students with an opportunity to earn their baccalaureate degree online by gaining a broad-based understanding of the social sciences. The social sciences are the fields of academic scholarship that explore aspects of human behavior and societies. Upon completing the Special Programs in Liberal Studies Social Sciences concentration students will be able to:

- Engage theory and practice in the social sciences to better understand human behavior, activities, organizations, and cultures.
- Critically analyze social science related information in the popular media.
- Explain the interconnections, differences, and interdependence among the social sciences.
- Read, evaluate, and interpret research in the social sciences.
- Communicate clearly and effectively in an appropriate professional style.

Required

- Minimum of 30 credits above the 100 level as provided below.

Code	Title	Credit Hours
Core Courses and Intermediate Seminar		
9		
SSC 300	Doing Social Sciences (to be completed as early in the major as feasible)	
SSC 301	Contemporary Issues in the Social Sciences (to be completed as early in the major as feasible)	

SSC 350	Inequality in a Changing World (to be completed at the approximate midpoint of the major)	
Distribution Requirement		9
Select three courses from the list in the Area of Emphasis section, each from a different department		
Area of Emphasis		9
Select at least three additional courses in one of the departments of the following: *		
<i>Anthropology</i>		
ATY courses at the 200 level or above		
<i>Communication Studies</i>		
CST courses at the 200 level or above		
<i>Economics</i>		
ECO courses at the 200 level or above		
<i>Geography, Environment, and Sustainability</i>		
GES courses at the 200 level or above **		
<i>Political Science</i>		
PSC courses at the 200 level or above		
<i>Psychology</i>		
PSY courses at the 200 level or above		
<i>Sociology</i>		
SOC courses at the 200 level or above		
Capstone Seminar		3
SSC 400	Senior Seminar in the Social Sciences ¹	

* *Area of Emphasis cannot be in the same discipline as an additional or previously completed major.*

** *Excluding the Earth Science courses listed below:*

- GES 319 Weather and Climate
- GES 312 Geomorphology of North America
- GES 314 Physical Geography: Landscape Processes
- GES 330 Elements of Hydrology
- GES 359 Remote Sensing of Environment
- GES 418 Biogeography
- GES 419 Advanced Weather and Climate-Synoptic Climatology
- GES 459 Advanced Remote Sensing-Imaging
- GES 450 Applied Physical Geography

¹ *To be completed in the final semester of the major.*

Student-Designed Interdisciplinary Concentration Requirements

Administered by the College of Arts and Sciences (p. 247).

The Special Programs in Liberal Studies Major: Student-Designed Interdisciplinary Concentration is available only to students in the Lloyd International Honors College (LIHC) whose academic goals are not adequately served by a single major, or combination of majors, second majors, and minors, available in the College of Arts and Sciences or in one of the professional schools.

Students selecting this option must have a 3.30 GPA at the time of application. Students pursuing this option must satisfy all College Additional Requirements and meet all university academic regulations. A plan must represent a coherent academic program of study. The option may not be used as a way of circumventing the requirements of an established major, and plans (see below) that constitute only minor

changes to an existing major will not be approved. The procedure for requesting approval is as follows:

1. LIHC students must consult with an honors college advisor before requesting approval. The advisor will interview the student and ask them to begin compiling a preliminary list of course work and fields the student wishes to put together. Once the honors college advisor is satisfied with the student's seriousness in pursuing the option, the student will schedule a meeting with the associate dean in the college with oversight of the program.
2. The student will meet with the associate dean to identify an advisor. A faculty member in the college must agree to serve as the student's advisor, to take responsibility for helping the student design an approved plan of study and for monitoring the student's progress. The student and the advisor devise a plan of study for the major. The plan consists of:
 - a. A brief statement describing the aims and intentions of the proposed major, and explaining why no existing major or combination of majors, second majors, or minors can be used to pursue those aims;
 - b. A list of courses (minimum of 27 credits) that will constitute the major. The list of courses must include SDI 400: Capstone Experience (1-3 credits). Capstone experiences will be unique to each plan and can include internship, service-learning, individual reading and research, etc.;
 - c. Either a list of courses or a narrative paragraph explaining how the student will satisfy (or has satisfied) the college's liberal education, foreign language, and writing-intensive requirements; and
 - d. The student and his/her advisor should make every effort to ensure that courses included in the plan are in fact offered with reasonable frequency; not all courses listed in the bulletin will be available with sufficient frequency to ensure timely graduation.

The plan is initially submitted to the associate dean of the college for review. The associate dean will ensure that the plan meets all the requirements noted above and will send a copy of the plan to the LIHC honors council for their review and approval. Copies of the approved plan will be sent by the associate dean to the student and the major advisor.

Any changes to the plan after it has been submitted must be approved by the associate dean. Generally, modifications will only be approved because some of the approved courses have become unavailable or because a new course appears to be better suited to the plan than one that was originally included.

Sustainability Studies Concentration Requirements

Administered by the Department of Geography, Environment, and Sustainability (p. 296).

Code	Title	Credit Hours
Core Courses		29
<i>Environmental & Sustainability Studies</i>		
GES 164	Introduction to Environment	
GES 162	Introduction to Sustainability	
GES 370	Environment and Experience	
GES 400	Capstone Seminar *	

Biology

Select one option of the following:

Option A:

BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory
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Option B:

BIO 105 & 105L	Major Concepts of Biology and Major Concepts of Biology Laboratory
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Chemistry

CHE 252	Chemistry and the Human Environment <i>Geography, Environment, and Sustainability</i>
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GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory
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Philosophy

PHI 363	Environmental Ethics
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Statistics

Select one of the following:

3

ECO 250	Economic and Business Statistics I
SOC 302	Introduction to Data Analysis
STA 108	Elementary Introduction to Probability and Statistics
STA 271	Fundamental Concepts of Statistics
STA 290	Introduction to Probability and Statistical Inference

Related Area Electives

33

Natural Sciences

Select 6 credits of the following:

BIO 301	Principles of Ecology
BIO 315	Ecology and Evolution Laboratory
BIO 361	Biology and Conservation of Sea Turtles
BIO 420	Marine Biology
BIO 421	Ecosystem Ecology and Biogeochemistry
BIO 422	Plant Diversity
BIO 426	Conservation Biology
BIO 427 & BIO 423	Landscape Ecology and Landscape Ecology Laboratory
BIO 429 & BIO 432	Aquatic Ecology and Aquatic Ecology Laboratory
BIO 431	The Biosphere
BIO 441	Invertebrate Zoology
BIO 444	Entomology
BIO 451	Vascular Plant Systematics
BIO 460	Symbiosis
BIO 470	Vertebrate Zoology
BIO 480	Environmental Physiology
BIO 488	Essentials of Toxicology
CHE 205	Introductory Organic Chemistry
CHE 331	Quantitative Analysis
CHE 351	Organic Chemistry I
CHE 352	Organic Chemistry II
GES 388	Topics in Natural Sciences
GES 205	Environmental Change: Its Nature and Impact
GES 305	Environmental Hazards Assessment

GES 319 & 319L	Weather and Climate and Climatology Laboratory
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GES 313	Natural Resource Regions of North America
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GES 314	Physical Geography: Landscape Processes
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GES 330	Elements of Hydrology
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GES 358	Geographic Information Systems
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GES 359	Remote Sensing of Environment
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GES 419	Advanced Weather and Climate-Synoptic Climatology
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PHY 205	Conceptual Physics
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Equity and Society

Select 12 credits from the following:

ATY 213	Introduction to Cultural Anthropology
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ATY 253 & 253L	Introduction to Biological Anthropology and Introduction to Biological Anthropology Laboratory
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ATY 362	Methods in Cultural Anthropology
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ATY 420	Economic Anthropology
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ATY 426	Food and Culture in a Global Context
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ATY 450	Environmental Anthropology
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ATY 465	Medical Anthropology
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GES 386	Topics in Equity and Society
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GES 302	Urban Geography: Land Use
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GES 303	World Population Problems
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GES 304	Introduction to Transportation Analysis
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GES 322	Research Methods in Geography
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GES 331	Sustainable Tourism and Transportation
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HIS 323	American Indians and Nature
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HIS 334	United States Environmental History
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HEA 307	Global Health
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HEA 315	Epidemiology
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HEA 316	Environmental Health
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PCS 406	Environmental Justice: Interdisciplinary Response for Sustainability
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PSC 210	Introduction to Public Policy
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PSC 312	Environmental Law and Policy
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PSC 313	Natural Resources Law and Policy
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SOC 202	Social Problems in Global Context
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SOC 346	Population Problems
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SOC 370	Environmental Sociology
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SOC 373	Green Criminology
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SOC 377	Disaster, Self, and Society
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HIS 209	Topics in Modern World History **
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Economics and Development

Select 9 credits from the following:

BUS 130	Entrepreneurship in a Sustainable Global Environment
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BUS 340	Social Entrepreneurship
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ECO 100	Economics of a Global Sustainable Society
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ECO 201	Principles of Microeconomics
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ECO 202	Principles of Macroeconomics
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ECO 300	The International Economy
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GES 384	Topics in Economics and Development
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STH 200	Introduction to Sustainable Development
STH 201	Corporate Social Responsibility and Change Management
STH 311	Sustainable Food and Beverage
STH 312	Greening Hotel Facilities
STH 331	Sustainable Tourism and Transportation
STH 332	Sustainable Destination Planning and Management
<i>Aesthetics and Ethics</i>	
Select 6 credits from the following:	
CST 420	Environmental Communication
ENG 327	Writing for Professionals and Entrepreneurs
ENG 380	Literature and the Environment
GES 382	Topics in Aesthetics and Ethics
IAR 124	Introduction to Sustainable Design
IAR 221	History and Theory of Design I
IAR 222	History and Theory of Design II
LLC 130	Global Green: Cultures of Production and/or Consumption
MUS 326	Music and Environment
PHI 322	Philosophy of the Arts
PHI 338	Ethics and International Affairs
PHI 361	Ethical Issues in Business
REL 250	Religious Traditions and Care of the Earth
WGS 374	Ecofeminism
Free Electives	6
Select 6 credits from categories in the Related Area Electives or from the following:	
GES 362	Seminar in Sustainability
GES 364	Seminar in Environment
GES 368	Individual Study
GES 360	Sustainable Campus Operations
GES 493	Honors Work
GES 370	Environment and Experience ¹
GES 366	Environmental Studies Internship ²
BIO 497	Internship in Biology ²

* Taken for a minimum of 1 credit hour

** Applies only when the topic is World Environmental History.

¹ The course listed applied when taken beyond the 1 credit required in the Core Requirements

² Internships are optional; Students may count up to 3 credits of free electives for a relevant internship through the courses listed

Women's and Gender Studies

College of Arts and Sciences

336 Curry Building
336-334-5673
<http://wgs.uncg.edu>

Mark Rifkin, Professor, Department of English, and Director of Women's and Gender Studies Program

Elizabeth Keathley, School of Music, Director of Graduate Studies for Women's and Gender Studies

Danielle Bouchard, Associate Professor, Women's and Gender Studies Program, Director of Undergraduate Studies in Women's and Gender Studies

Program Faculty

Risa Applegarth, Department of English

Silvia Bettez, Department of Educational Leadership and Cultural Foundations

Claudia Cabello-Hutt, Department of Languages, Literatures, and Cultures

Sarah Cervenak, Associate Professor, Women's and Gender Studies Program

and African American and African Diaspora Studies Program

Daniel Coleman Chávez, Assistant Professor, Women's and Gender Studies Program

Ben Clarke, Department of English

Jenny Dale, Professional Librarian, Coordinator of First-Year Programs

Emily Edwards, Department of Media Studies,

Director of Center for Creative Writing in the Arts

Jennifer Feather, Department of English

Tara Green, African American and African Diaspora Studies Program

Linda Arnold Carlisle Excellence Professor of Women's and Gender Studies

Paige Hall Smith, Department of Public Health Education,

Director of the Center for Women's Health and Wellness,

Ana Paula Höfling, Department of Dance

Gwen Hunnicutt, Department of Sociology

Karen Kilcup, Elizabeth Rosenthal Excellence Professor, Department of English

Derek Krueger, Joe Rosenthal Excellence Professor, Department of Religious Studies

Arielle Kuperberg, Department of Sociology

Lisa Levenstein, Department of History

Cybelle McFadden, Department of Languages, Literatures, and Cultures

Noelle Morissette, Department of English

Nancy Myers, Department of English

Loreen Olson, Department of Communication Studies

Susanne Rinner, Department of Languages, Literatures, and Cultures

Eugene Rogers, Department of Religious Studies

María Sánchez, Department of English

Amy Vetter, Department of Teacher Education and Higher Education

Amy Vines, Department of English

Amy Williamsen, Department of Languages, Literatures, and Cultures

Mission Statement

The central focus of the Women's and Gender Studies Program is to explain how gender is produced within social institutions and how these institutions affect individual lives and to analyze the mutual constitution of gender, race, ethnicity, class, sexuality, nationality, and religion. The Program addresses issues of neglect, omission, and bias in curricula while honing critical thinking skills vital to a liberal education. With the assistance of the community-based Friends of Women's and Gender Studies, the program sponsors visiting scholars, lectures, films, and conferences devoted to the advancement of women's and gender studies.

- Women's and Gender Studies, B.A. (p. 404)
- Women's and Gender Studies Undergraduate Minor (p. 405)
- Women's and Gender Studies, M.A. (p. 406)
- Women's and Gender Studies, Post-Baccalaureate Certificate (p. 407)

Women's and Gender Studies Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<i>6 credit hours of Women's and Gender Studies course work *</i>		
<i>3 credits of Honors course work in the major</i>		
HSS 490	Senior Honors Project	
	or WGS 493 Honors Work	

* May be any combination of Contract courses and/or 400-level Women's and Gender Studies courses

Recognition

Receive a Certificate of Disciplinary Honors in Women's and Gender Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Danielle Bouchard at dmboucha@uncg.edu for further information and guidance about Honors in Women's and Gender Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Women's and Gender Studies, B.A. Student Learning Goals

1. To explain how gender is produced within social institutions and how these institutions affect individual lives.
2. To discuss histories of feminism as a social movement and feminist theories of social transformation.
3. To explain theories of embodiment, such as how bodies are constituted within social and biological discourses, or the relationship between embodiment and subjectivity, consciousness, and agency.
4. To critique how hegemonic feminism includes and/or excludes different theoretical perspectives, such as theories of racial formation and theories of sexuality.
5. To analyze the mutual constitution of gender, race, ethnicity, class, sexuality, nationality, and religion.
6. To explain gender, race, ethnicity, class, sexuality, nationality, and religion from the perspective of postcolonial and transnational frameworks of analysis.
7. To identify how feminist theories are constructed and enacted both inside and outside of the classroom.
8. To identify the intellectual paradigms and political perspectives of different modes of knowledge production or interdisciplinary methodologies.
9. To analyze scholarship and a variety of media in order to create original arguments in writing.
10. To apply different modes of feminist praxis, such as fieldwork, performance, or research.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum 30 credits above the 100 level
- Students must earn a grade of at least C- in all courses required for the major.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		
College of Arts and Sciences Additional Requirements (LEC) (p. 249)		

Major Requirements

Elective course section must carry the WGS marker in the given semester. This list is not comprehensive as additional courses may appear on the Course Schedule within UNCGenie that will carry the WGS marker and may thus count toward major or minor requirements. Some sections of these courses might not carry the WGS marker in any given semester; check the Course Schedule for the list of courses that count for WGS credit during the current semester.

Code	Title	Credit Hours
Core Requirements		15
WGS 250	An Introduction to Women's and Gender Studies [†]	
WGS 270	Introduction to LGBTQI Studies	
WGS 333	Postcolonial and Transnational Feminisms	
WGS 350	Introduction to Feminist Theories	
WGS 490	Women's and Gender Studies Senior Capstone Course	
Electives		15
<i>Select 15 credits of approved courses from the following: *</i>		
BLS 348	Representing Women	
BLS 386	Women, War, and Terror	
CED 474	Contemporary Topics in Counseling	
ELC 381	Cultural Foundations of Education	
ENG 331	Women in Literature	
ENG 332	English Women Writers before 1800	
ENG 376	African American Writers after the 1920s	
ENG 383		
HDF 212	Families and Close Relationships	
HDF 407	Issues Affecting Women and Families	
HIS 328	U.S. Women's History to 1865	
HIS 329	U.S. Women's History Since 1865	
HIS 342	Gender, Sex, and Health in the 20th Century US	
PCS 205	Violence in the Modern World	
PCS 305	Foundations of Peace and Conflict Studies	
PCS 309	Conflict and Culture	
PHI 301	Topics in Philosophy	
PSC 335		
PSC 336	Women and the Law	

PSY 346	The Psychology of Gender
SOC 354	
or MGT 354	Diversity and Inclusion in Organizations
WGS 329	Sociological Perspectives on Gender
WGS 419	Gender, Crime, and Deviance
WGS 450	Topics Seminar in Women's and Gender Studies
WGS 490	Women's and Gender Studies Senior Capstone Course
WGS 400	Independent Study **

* *The course section must carry the WGS marker in the given semester. This list is not comprehensive as additional courses may appear on the Course Schedule within UNCGenie that will carry the WGS marker and may thus count toward major or minor requirements. Some sections of these courses might not carry the WGS marker in any given semester; check the Course Schedule for the list of courses that count for WGS credit during the current semester.*

** *Course may be taken for only 6 credit hours toward the WGST major.*

† *Counts toward GEC GSB requirement.*

Special Topics

Special topics courses or sections with central focus on women and gender may be approved by the Director of WGS for elective credit.

Electives

Electives should be sufficient to complete the 120 credit hours required for the degree.

Accelerated B.A. to M.A.

Undergraduate students at UNC Greensboro may apply for admission to the Accelerated Degree Program in Women's and Gender Studies. A cumulative undergraduate GPA of at least 3.5, based on at least 30 credit hours earned at UNC Greensboro, is required. Applicants must have completed at least 60 semester credits and may not apply for admission to the ADP before the first semester of the junior year.

All applicants submit the Request for Accelerated Degree Program to the Graduate School as part of the application for admission to the M.A. program.

Standardized entrance exams (GRE or MAT) are optional for ADP students, although they may be useful in future applications for graduate fellowships.

Applications to the Women's and Gender Studies program require the following additional items: a **statement of purpose**; an **academic writing sample**; and a **resume**.

ADP Courses

The M.A. degree requires 36 credit hours of graduate-level coursework. ADP students may apply a maximum of 12 credits of graduate-level coursework toward completion of both the undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in each graduate course and fulfill graduate-level requirements. No more than 9 credits at the 500 level may be counted toward the M.A. degree. Please see the University Catalog for a full description of the M.A. degree requirements.

The following courses may be counted toward both the B.A. and the M.A. degrees. All courses leading to the completion of the M.A. degree must be approved by the WGS Director of Graduate Study.

Code	Title	Credit Hours
WGS 650	Feminist Theory: Intersections of Gender, Race and Class	3
WGS 651	Feminist Research Analysis	3
Select up to two courses from the following: *		6
WGS 530	Critical Sexuality Studies and Queer Theory	
HIS 551	Gender and History: Selected Topics	
CST 621	African American Culture and Identity	
ENG 688	Women's Rhetoric and Feminist Pedagogy	

* In consultation with the Graduate Advisor.

Women's and Gender Studies Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours

Students must earn a grade of at least C- in all courses required for the minor.

Code	Title	Credit Hours
Core Requirements		9
WGS 250	An Introduction to Women's and Gender Studies	
WGS 270	Introduction to LGBTQI Studies	
or WGS 333	Postcolonial and Transnational Feminisms	
WGS 350	Introduction to Feminist Theories	
Electives		
<i>Select 9 credits of approved courses from the following: *</i>		
BLS 348	Representing Women	
BLS 386	Women, War, and Terror	
CED 474	Contemporary Topics in Counseling	
ELC 381	Cultural Foundations of Education	
ENG 331	Women in Literature	
ENG 332	English Women Writers before 1800	
ENG 376	African American Writers after the 1920s	
HDF 212	Families and Close Relationships	
HDF 407	Issues Affecting Women and Families	
HIS 328	U.S. Women's History to 1865	
HIS 329	U.S. Women's History Since 1865	
HIS 342	Gender, Sex, and Health in the 20th Century US	
PCS 205	Violence in the Modern World	
PCS 305	Foundations of Peace and Conflict Studies	
PCS 309	Conflict and Culture	
PHI 301	Topics in Philosophy	
PSC 336	Women and the Law	
PSY 346	The Psychology of Gender	
WGS 329	Sociological Perspectives on Gender	
WGS 419	Gender, Crime, and Deviance	

WGS 450	Topics Seminar in Women's and Gender Studies
WGS 490	Women's and Gender Studies Senior Capstone Course
WGS 400	Independent Study **

* The course section must carry the WGS marker in the given semester. This list is not comprehensive as additional courses may appear on the Course Schedule within UNCGenie that will carry the WGS marker and may thus count toward major or minor requirements. Some sections of these courses might not carry the WGS marker in any given semester; check the Course Schedule for the list of courses that count for WGS credit during the current semester.

** Course may be taken for only 3 credits toward the WGST minor.

Women's and Gender Studies, M.A.

The interdisciplinary M.A. in Women's and Gender Studies requires 36 credit hours and prepares graduates for professional employment and for further study. All students take 9 credits of required theory courses, 6 credits of capstone experience, and 21 credits of additional coursework appropriate to their plan of study. Course options may include a component of professional skills development to prepare students for immediate employment in non-faculty positions in education, in non-profit organizations, government, or business. Students may also develop a plan of study leading to the pursuit of doctoral degrees in women's and gender studies or other professional degrees for employment in such diverse areas as counseling, university teaching, the arts, and business.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Students are admitted to the M.A. degree program on the basis of academic achievement without regard to undergraduate major. In addition to the application materials required by The Graduate School, applicants must submit a **statement of purpose** explaining how the WGS M.A. program aligns with their personal, academic, and/or professional experience and goals and an **academic writing sample** such as a research paper from an academic course. If applying for an assistantship or other funding, applicants must also submit an academic and professional **resume or CV (curriculum vitae)**.

M.A. students in WGS may apply for concurrent study in a graduate certificate program in such fields as Non-Profit Management or African-American Studies.

Degree Program Requirements

Required: 36 credit hours

Code	Title	Credit Hours
Required Core Courses (9 credits)		
WGS 650	Feminist Theory: Intersections of Gender, Race and Class	3
WGS 651	Feminist Research Analysis	3
Select one (3 credits) of the following:		3
CST 659	Communication and Gendered Communities	
ELC 678		
ELC 680	Transnational and Postcolonial Feminist Perspectives	
ENG 531		

ENG 688	Women's Rhetoric and Feminist Pedagogy
WGS 530	Critical Sexuality Studies and Queer Theory
Capstone Experience (6 credits)	
Select one of the following options:	
6	
<i>Thesis Option</i>	
WGS 699	Thesis
<i>Internship Option</i>	
WGS 601	Women's and Gender Studies Internship
WGS 602	Internship Seminar (must be taken concurrently with WGS 601)
Individualized Plan of Study (21 credits)	
Select a minimum of 9 credits of course work constituting a concentrated area of study that reflects the student's goals and interests	
9	
Select 12 credits chosen from courses approved for WGS credit or from other graduate offerings consistent with student's plan of study	
12	
Total Credit Hours	
36	

Individualized Plan of Study

The proposed plan of study must be approved by the WGS Graduate Advisor (Director of Graduate Study). These courses may be selected from those carrying a WGS marker or appropriate courses in relevant fields.

Representative Courses Approved for WGS Credit

Consult advisor for additional options. Students may not double-count courses taken to fulfill requirements.

Code	Title	Credit Hours
WGS 530	Critical Sexuality Studies and Queer Theory	3
WGS 600	Independent Study	3-6
WGS 601	Women's and Gender Studies Internship	3
WGS 602	Internship Seminar	3
WGS 706	Topics in Gender and Sexuality Studies	3
ADS 650	Topics in African American Gender Studies	3
CED 574A		3
CST 659	Communication and Gendered Communities	3
ELC 609	Epistemology and Education	3
ELC 662	Power, Politics, and Schools	3
ELC 664	Introduction to Qualitative Inquiry: A Social Justice Approach	3
ELC 670	Leadership for Teaching and Learning	3
ELC 688	Contemporary Problems Seminar	1-3
ELC 700	Critical Perspectives in Education, Leadership, and Culture	3
ENG 531		3
ERM 604	Methods of Educational Research	3
HDF 731		3
HEA 662	Gender and Health	3
HEA 665	Violence and Public Health	3
HIS 551	Gender and History: Selected Topics	3
KIN 630	Sport and Society: Social Inequalities	3
MAS 620	Human Nature and Society	3

Possible Additional Courses, Depending on Plan of Study

Consult advisor for additional options.

Code	Title	Credit Hours
Business Administration		
MBA 701	Quantitative Analysis for Decision Making	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Economic Policies and Impact on Global Outcomes	3
MBA 704		3
MBA 706	Marketing Management	3
MBA 710		3
CST 630	Organization, Democracy, and Community	3
Dance		
DCE 667	The Dancer's Body	3
Educational Research Methodology		
ERM 517		3
ERM 604	Methods of Educational Research	3
History		
HIS/IAR 626	The Practice of Public History	3
HIS 502	African American History: Selected Topics	3
HIS 713	African Americans after Slavery	3
Human Development & Family Studies		
HDF 658		3
Library and Information Studies		
LIS 636	Website Production and Usability for Librarians	3
Peace and Conflict Studies		
PCS 600	Principles and Practice of Conflict Management and Resolution	3
PCS 601	Indigenous Peace Practices	3
PCS 610	Transitional Justice	3
Philosophy		
PHI 620	Ethics and Genetics	3
Political Science		
PSC 540	Nonprofit Management and Leadership	3
Public Health		
HEA 601	Foundations of Public Health	3
HEA 602	Epidemiology Methods	3
HEA 603	Community Health Analysis	3
HEA 612	Management of Community Health Organizations	3
HEA 640	Global Health Issues	3
HEA 645	Health Policy	3
HEA 676	Problems Seminar	3

Accelerated B.A. to M.A.

Undergraduate students at UNC Greensboro may apply for admission to the Accelerated Degree Program in Women's and Gender Studies. A cumulative undergraduate GPA of at least 3.5, based on at least 30 credit hours earned at UNC Greensboro, is required. Applicants must have completed at least 60 semester credits and may not apply for admission to the ADP before the first semester of the junior year.

All applicants submit the Request for Accelerated Degree Program to the Graduate School as part of the application for admission to the M.A. program.

Standardized entrance exams (GRE or MAT) are optional for ADP students, although they may be useful in future applications for graduate fellowships.

Applications to the Women's and Gender Studies program require the following additional items: a **statement of purpose**; an **academic writing sample**; and a **resume**.

ADP Courses

The M.A. degree requires 36 credit hours of graduate-level coursework. ADP students may apply a maximum of 12 credits of graduate-level coursework toward completion of both the undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in each graduate course and fulfill graduate-level requirements. No more than 9 credits at the 500 level may be counted toward the M.A. degree. Please see the University Catalog for a full description of the M.A. degree requirements.

The following courses may be counted toward both the B.A. and the M.A. degrees. All courses leading to the completion of the M.A. degree must be approved by the WGS Director of Graduate Study.

Code	Title	Credit Hours
WGS 650	Feminist Theory: Intersections of Gender, Race and Class	3
WGS 651	Feminist Research Analysis	3
Select up to two courses from the following: *		6
WGS 530	Critical Sexuality Studies and Queer Theory	
HIS 551	Gender and History: Selected Topics	
CST 621	African American Culture and Identity	
ENG 688	Women's Rhetoric and Feminist Pedagogy	

* In consultation with the Graduate Advisor.

Women's and Gender Studies, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Women's and Gender Studies requires 18 credit hours and prepares graduates for interdisciplinary teaching; careers in nonprofit, governmental, and corporate settings; and entry into professional degree programs in such fields as law, child development, and public health. The program combines core courses, elective courses, independent study, and/or internship integrating theory and practice.

Certificate requirements must be completed within five academic years. At least 9 credits of coursework must be at the 600 level or above. Courses fulfilling the certificate program may be used to meet the requirements in a degree program in accordance with the policies of The Graduate School.

Curriculum requirements consist of 6 credits of required core courses and 12 credits of electives. Students enrolled in a graduate degree program must take at least 3 credits of WGS certificate coursework outside the degree-granting department.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants submit a **statement of purpose** explaining how the certificate program aligns with their personal, academic, and/or professional experience and goals. No standardized tests (GRE, MAT) are required; certificate program applicants who are also applying to a graduate program (e.g. a M.A. or Ph.D.) should consult the degree-granting department for admission test requirements. Certificate applicants may hold a baccalaureate degree in any field.

Certificate Program Requirements

Required: 18 credit hours

Code	Title	Credit Hours
Required Core Courses (6 credits)		
WGS 650	Feminist Theory: Intersections of Gender, Race and Class	3
WGS 651	Feminist Research Analysis	3
Electives (12 credits)		
Select a minimum of 12 credits chosen from WGS-approved courses (those with WGS markers)		12
Total Credit Hours		18

Required Core Courses

The following courses may be taken in substitution for WGS 650 Feminist Theory: Intersections of Gender, Race and Class with prior permission of the WGS graduate advisor (Director of Graduate Study). These courses may also serve as electives.

Code	Title	Credit Hours
CST 659	Communication and Gendered Communities	3
ELC 678		3
ELC 680	Transnational and Postcolonial Feminist Perspectives	3
ENG 531		3
ENG 688	Women's Rhetoric and Feminist Pedagogy	3

Representative Courses Approved for WGS Credit

Minimum of 12 credits chosen from WGS-approved courses. The available courses vary from semester to semester, and current offerings are listed and described on the WGS website. All substitutions require prior approval by the WGS Graduate Advisor (Director of Graduate Study).

Code	Title	Credit Hours
WGS 530	Critical Sexuality Studies and Queer Theory	3
WGS 600	Independent Study	3-6
WGS 601	Women's and Gender Studies Internship	3
WGS 602	Internship Seminar	3
WGS 706	Topics in Gender and Sexuality Studies	3
ADS 650	Topics in African American Gender Studies	3
CED 574A		3
CST 659	Communication and Gendered Communities	3
ELC 609	Epistemology and Education	3

ELC 664	Introduction to Qualitative Inquiry: A Social Justice Approach	3
ELC 698		3
HEA 662	Gender and Health	3
HEA 665	Violence and Public Health	3
HIS 551	Gender and History: Selected Topics	3
KIN 630	Sport and Society: Social Inequalities	3
MAS 610	Culture and Ideas	3
MAS 620	Human Nature and Society *	3

* When focus is on gender.

COLLEGE OF VISUAL AND PERFORMING ARTS

220 Music Building
336-334-5789
<http://performingarts.uncg.edu>

A. Lawrence Jenkins, *Interim Dean*

As the premier, most comprehensive, and largest set of visual and performing arts programs in North Carolina, we transform lives by providing exceptional artistic and scholarly experiences. Our vision is to build on our reputation by becoming one of the top arts institutions in the nation. The UNC Greensboro College of Visual and Performing Arts will make the arts essential to all in North Carolina, the Southeast, and the Nation.

The UNC Greensboro College of Visual and Performing Arts is guided and informed by our beliefs and commitments to:

- **Excellence and Innovation**
Foster curiosity, creativity, skill development, and dissemination of artistic practice, pedagogy, research, and scholarship at the highest level.
- **Access and Inclusivity**
Serve the population of North Carolina and the nation by modeling an inclusive, collaborative, and student-oriented academic culture.
- **Equity and Ethics**
Commit to equitable academic policies, curricular design, and decision-making with mutual respect, accountability, and cooperation.
- **Community and Place**
Engage with local and global socio-political artistic performance, pedagogy, and scholarship.

The UNC Greensboro College of Visual and Performing Arts helps students transform passion into professional purpose. Our unique pathway to career success unlocks creativity and assists students to develop into a visual or performing artist, scholar, or arts educator.

The College consists of four Schools: Music, Theatre, Dance and Art. Within these Schools, we offer nationally accredited programs and an impressive variety of degrees and certificates at the Bachelors through the doctoral level.

All students wishing to enter one of the professional degree tracks, the B.M. or the B.F.A., must audition or interview for placement. Refer to each School's bulletin for specific information concerning auditions and admissions procedures.

In addition to the degrees and courses housed within the Schools of Art, Dance, Music, and Theatre, a number of interdisciplinary courses in the arts are offered. The College of Visual and Performing Arts offers the interdisciplinary B.A. in Arts Administration and the minor in Musical Theatre. Please see the listing of VPA courses, which are open to students in any major.

With around 1500 students, excellent facilities and an internationally recognized faculty of well over 100 members, the College of Visual and Performing Arts is a vibrant community of artists that produces more than 350 performances, exhibits, lectures and other events. The College is engaged with its community and committed to student success. As the largest and most comprehensive school of the visual and performing arts

in North Carolina and one of the largest in the southeast and the nation, it has the capacity to provide experiences that other institutions cannot. We have a strong record of helping students develop their craft and the necessary knowledge to succeed in the highly competitive world of the arts. Because we are part of a large research university, a full range of interdisciplinary and collaborative opportunities are close at hand.

Mission Statement

In accordance with the mission of the University, The College of Visual and Performing Arts seeks to enable students to understand and embrace the artistic expression of all cultures, empowering them to enrich the human experience for themselves and others. Acknowledging the enduring traditions of excellence in each discipline, the College of Visual and Performing Arts, strives to:

- Teach the imaginative, critical, aesthetic, and technical skills essential to the creative process, scholarly inquiry, and professional engagement in the continually evolving fields of the visual and performing arts.
- Promote discovery and foster inclusive learning that enriches the understanding of human diversity and global issues as they relate to the visual and performing arts.
- Provide our undergraduate students with comprehensive curricula appropriate to the various degree programs offered by the College of Visual and Performing Arts.
- Equip our graduate students to become specialists and leaders in their fields through advanced study and training.
- Present public performances, shows, and events, and provide artistic resources, education and outreach to the local, regional, national and international communities that enriches student learning, promotes faculty scholarship and creative activities, which enrich the lives of all citizens while showcasing the College and University.

Accreditation(s)

- CAEP Council for the Accreditation of Educational Professionals
- NASD National Association for Schools of Dance
- NASM National Association for Schools of Music
- NAST National Association for Schools of Theatre
- Arts Administration, B.A. (p. 410)
- Arts Administration Undergraduate Minor (p. 411)
- Arts in Community Undergraduate Minor (p. 412)
- Interdisciplinary Art and Social Practice Undergraduate Minor (p. 412)
- School of Art (p. 412)
 - Art, B.A. (p. 413)
 - Art Education (K–12), B.F.A. (p. 414)
 - Studio Art, B.F.A. (p. 416)
 - Art History for Artists Undergraduate Minor (p. 418)
 - Art History Undergraduate Minor (p. 418)
 - New Media and Design Undergraduate Minor (p. 418)
 - Painting Undergraduate Minor (p. 419)
 - Photography Undergraduate Minor (p. 419)
 - Printmaking and Drawing Undergraduate Minor (p. 419)
 - Sculpture and Ceramics Undergraduate Minor (p. 419)
 - Studio Art Undergraduate Minor (p. 420)
 - Art Second Academic Concentration (p. 420)
 - Studio Arts, M.F.A. (p. 420)

- School of Dance (p. 421)
 - Dance Studies, B.A. (p. 422)
 - Dance, B.F.A. (p. 424)
 - Dance Undergraduate Minor (p. 426)
 - Dance, M.A. (p. 426)
 - Dance, M.F.A. (p. 427)
 - Dance Education, M.A. (p. 427)
 - Dance, Post-Baccalaureate Licensure (p. 428)
- School of Music (p. 428)
 - Music, B.A. (p. 431)
 - Music Education, B.M. (p. 432)
 - Performance, B.M. (p. 434)
 - Music Undergraduate Minor (p. 439)
 - Music Composition, M.M. (p. 439)
 - Music Education, M.M. (p. 440)
 - Music Theory, M.M. (p. 440)
 - Performance, M.M. (p. 441)
 - Music, D.M.A. (p. 445)
 - Music Education, Ph.D. (p. 446)
 - Ethnomusicology, Post-Baccalaureate Certificate (p. 446)
 - Historical Keyboard Performance, Post-Baccalaureate Certificate (p. 447)
 - Jazz Studies, Post-Baccalaureate Certificate (p. 447)
 - Music Composition, Post-Baccalaureate Certificate (p. 448)
 - Music Education, Post-Baccalaureate Certificate (p. 448)
 - Music Performance Study, Post-Baccalaureate Certificate (p. 449)
 - Music Theory Pedagogy, Post-Master's Certificate (p. 449)
 - Music Theory, Post-Baccalaureate Certificate (p. 449)
 - Musicology, Post-Baccalaureate Certificate (p. 450)
- School of Theatre (p. 450)
 - Drama, B.A. (p. 452)
 - Drama, B.F.A. (p. 453)
 - Drama Undergraduate Minor (p. 456)
 - Musical Theatre Undergraduate Minor (p. 456)
 - Technical Theatre Undergraduate Minor (p. 457)
 - Drama, M.F.A. (p. 457)

Minor Requirement for Students Pursuing a B.A. Degree in the College of Visual and Performing Arts

The College of Visual and Performing Arts believes in and promotes the study of the arts in the context of a broad, liberal arts curriculum. In order to gain a larger intellectual perspective, students are encouraged to pursue their major field of study within an open but disciplined plan of study.

To aid in this process, the CVPA minor requirement builds on the university's General Education requirements. In addition to the course requirements stated in the university's General Education Core (GEC), students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in

or outside of the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice.

Any B.A. student who is pursuing a double major or seeking K–12 licensure in conjunction with his or her major area is exempt from this requirement.

Arts Administration, B.A.

279 Music Building
336-334-5064
hagranne@uncg.edu
<https://vpa.uncg.edu/home/arts-administration/>

Hannah Grannemann, *Assistant Professor and Director of the Arts Administration Program*

The Arts Administration Program offers a B.A. in Arts Administration and a Minor in Arts Administration. Majors can choose to concentrate in Art Museum Studies.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum grade of C required for all courses to count toward the major.
- A minimum of 31 credits in residence at UNC Greensboro:
 - 12 credits must be in the major field
 - 9 credits must be in the minor

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Core Courses		26
AAD 202	Arts Admin and Entrepreneurship	
AAD 301	Arts Management	
AAD 310	Managing and Leading in the Arts	
AAD 320	Arts Marketing	
AAD 450	Careers in Arts Administration	
ENT 200	Introduction to Entrepreneurial Finance	
ACC 201	Financial Accounting (Note that there are 2 prerequisites for this course.)	
ENT 300	Ideas to Opportunities: Feasibility Analysis	
or PSC 311	The Nonprofit Sector and Governance	
VPA 323	The Arts as Human Experience	
Arts Administration Electives		3
3 credits chosen from the following:		
ENT 300	Ideas to Opportunities: Feasibility Analysis	
PSC 311	The Nonprofit Sector and Governance	
AAD 321	Fundraising in the Arts	
AAD 380	Introduction to Art Museum Studies	

AAD 381	Intro to Art Museum Collections	
AAD 475	Independent Study	
AAD 478	Variable Topics in Arts Administration	
AAD 493	Honors Work	
ARH 490	Art Museums and Exhibition Spaces	
Arts-Related Courses		6
6 credits chosen from the courses with an ARH, ART, DCE, MUP, MUS, VPA, or THR prefix.		
CVPA Electives		6
6 credits in the College of Visual and Performing Arts at the 200 level or above.		
Capstone Experience		3
AAD 498	Internship in Arts Administration and Entrepreneurship	

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Art Museum Studies

Electives

Electives sufficient to complete the 120 credit hours required for the degree. See advisor or program website, <https://vpa.uncg.edu/home/arts-administration/>, for recommended electives.

Art Museum Studies Concentration Requirements

- 27 credit hours, to include at least 6 credits at or above the 300 course level.

Code	Title	Credit Hours
Requirements		
AAD 380	Introduction to Art Museum Studies	
AAD 381	Intro to Art Museum Collections	
ARH 490	Art Museums and Exhibition Spaces	
Art History Requirements		
ARH 110	Survey of Western Art: Prehistory-Renaissance	
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ARH 112	Survey of Non-Western Art	
ARH 219	Sophomore Seminar in Art History	
6 additional credits of ARH courses at the 300-level or above		

College of Visual and Performing Arts Minor Requirement

Students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice. Any B.A. student who is pursuing a double major is exempt from this requirement. See the Minor Requirement topic on the College of Visual and Performing Arts page for more information.

Arts Administration majors should consider the available minors in Art, Business, Communication Studies, Dance, Entrepreneurship, Media

Studies, Music, Political Science, or Theatre. Any B.A. student who is pursuing a double major is exempt from this requirement. It is common for Arts Administration students to pursue a double major or dual degree.

Disciplinary Honors in Arts Administration Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3-6
AAD 493	Honors Work	
9 credits of courses in the major at the 300-level or above with an Honors contract or Graduate level grading.		9

Recognition

Receive a Certificate of Disciplinary Honors in Arts Administration; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

See Hannah Grannemann, Director of the Arts Administration Program for further information and guidance about Honors in Arts Administration. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Arts Administration Undergraduate Minor

Hannah Grannemann, Assistant Professor and Director of the Arts Administration Program
279 Music Building
336-334-5064
hagranne@uncg.edu
<https://vpa.uncg.edu/home/arts-administration/>

The minor in Arts Administration complements study in a wide range of fields including music, theatre, dance, the visual arts, creative writing, communications, media studies, and business.

Program Requirements

- 18 credit hours as listed below
- A grade of C or better is required in all course work toward the minor

Code	Title	Credit Hours
Required		18
AAD 202	Arts Admin and Entrepreneurship	
ACC 201	Financial Accounting	
or FIN 200	Introduction to Entrepreneurial Finance	
AAD 301	Arts Management	
AAD 310	Managing and Leading in the Arts	
AAD 320	Arts Marketing	
<i>Choose one of the following courses:</i>		
BUS 300	Ideas to Opportunities: Feasibility Analysis	

PSC 311	The Nonprofit Sector and Governance
AAD 321	Fundraising in the Arts
AAD 380	Introduction to Art Museum Studies
AAD 381	Intro to Art Museum Collections
AAD 450	Careers in Arts Administration
AAD 475	Independent Study
AAD 478	Variable Topics in Arts Administration
AAD 493	Honors Work
ARH 490	Art Museums and Exhibition Spaces

Arts in Community Undergraduate Minor

The Arts in Community minor prepares students to share leadership with community partners to create the structure and content of community-based arts projects and educational programming.

Student Learning Outcomes

1. Learn how to build fruitful relationships with community partners as a basis for arts projects and educational programming.
2. Gain experience in a variety of methods of community data collection and relationship building.
3. Develop skills in sequential project and curriculum planning.
4. Learn teaching strategies and pedagogical structures applicable to all creative arts disciplines.
5. Learn how to evaluate and refine community arts projects and practices.

Program Requirements

- 15 credit hours

Code	Title	Credit Hours
Required		15
VPA 360	Introduction to Community Arts	
VPA 361	Community Arts Methods	
VPA 364	Community Arts Intensive	
VPA 369	Community Arts Internship	

Interdisciplinary Art and Social Practice Undergraduate Minor

The Interdisciplinary Art and Social Practice minor develops and explores a diverse range of interdisciplinary practices and creative strategies for socially-engaged art and cultural production.

Program Requirements

- 18 credit hours

Code	Title	Credit Hours
Three courses chosen from the following:		9
AAD 301	Arts Management	
AAD 202	Arts Admin and Entrepreneurship	
ARE 260	Art, Education, and Social Practice	

VPA 324	The Arts as Social Change: Theory and Practice	
VPA 428	Research Methods in Social Practice	
Select 2 courses from the following: *		6
ART 349	Expanded Print Media	
MUS 343	Music Cultures of the World	
PHI 301	Topics in Philosophy	
PHI 322	Philosophy of the Arts	
VPA 323	The Arts as Human Experience	
AAD 455	Arts and Entrepreneurship: Career Strategies for Artists	
VPA 489		
MUS 492	Capstone Seminar in Music Studies	
Participate in one Externship		3

* Additional course requests can be taken with permission.

School of Art

College of Visual and Performing Arts

138 Gatewood Studio Arts Center
336-334-5248
<http://art.uncg.edu>

Chris Cassidy, *Director of the School of Art*

Lee Walton, *Director of Graduate Study*

Heather Holian, *Director of Undergraduate Studies*

The School of Art offers the following undergraduate degree programs:

- B.F.A.—art major, concentrations in art education, new media and design, painting, photography, printmaking and drawing, and sculpture
- B.A.—art major, concentrations in art history and studio art

The School of Art offers graduate work leading to a Master of Fine Arts with a major in studio arts.

Only those students enrolled in a degree program with a full-time load of courses may use space, equipment, and facilities of the School of Art. Part-time students may use only the facilities directly connected with the courses in which they are enrolled.

Mission Statement

The mission of the School of Art is founded on three passionately held principles:

- First, that the exploration of ideas through the visual arts is both necessary and culturally valuable;
- Second, that an understanding of visual communication within contemporary society is critical for an informed world view; and
- Third, that an appreciation and knowledge of art history, past and present, is essential to both young scholars and developing artists.

In the School of Art, committed faculty, who actively exhibit and publish nationally and internationally, model the high standards we hold our students to in the visual arts, art history, and art education. Our students individually challenge, explore, and push the boundaries of their given field, whether it be establishing an independent vision or perspective in the studio, exploring new facets of art history, or developing their own voices as art educators. Through this diversity, our program offers

students a strong, self-motivated course of study where majors have meaningful contact with faculty across disciplines, methodologies, and practices.

The school's studio and art education facilities are located in the Maud F. Gatewood Studio Arts Building on Highland Avenue. Art historians have offices located in the Weatherspoon Art Museum.

Professor

Michael Ananian^G
Lee Morgan Walton^G
Patricia Wasserboehr^G

Associate Professor

Nikki L. Blair^G
Barbara Campbell Thomas^G
Christopher M. Cassidy^G
George Dimock^G
Heather Lynn Holian^G
Eun-Hee Lim^G
Jennifer H. Meanley^G
Elizabeth A. Perrill^G
Sunny R. Spillane^G
Mariam Aziza Stephan^G

Assistant Professor

Hannah Grannemann
Jennifer A Reis
Rachele Riley^G
Nicole F. Scalissi
Leah Jassin Sobsey^G
Dane R Winkler^G

Academic Professional Instructor

Derek Scott Toomes^G

Senior Lecturer

Bryan C. Ellis^G

Lecturer

Hugh C Bryant
Brittany Riley Gilbert
Robert D. Igoe
Po-Wen Liu
Lindsay Jo Metivier
Michelle Podgorski Rodenberg
Holly R Silvers
Olukayode Oluseyi Talabi
Todd Turner
Anna Ruth Wallace

Academic Professional

Jon R. Smith
Christopher Michael Thomas^G

^G Graduate-level faculty

- Art, B.A. (p. 413)
- Art Education (K–12), B.F.A. (p. 414)
- Studio Art, B.F.A. (p. 416)
- Art History for Artists Undergraduate Minor (p. 418)
- Art History Undergraduate Minor (p. 418)
- New Media and Design Undergraduate Minor (p. 418)

- Painting Undergraduate Minor (p. 419)
- Photography Undergraduate Minor (p. 419)
- Printmaking and Drawing Undergraduate Minor (p. 419)
- Sculpture and Ceramics Undergraduate Minor (p. 419)
- Studio Art Undergraduate Minor (p. 420)
- Art Second Academic Concentration (p. 420)
- Studio Arts, M.F.A. (p. 420)

Art Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		6-9
HSS 490	Senior Honors Project	
ART 493	Honors Work	
	or ARH 493 Honors Work	
Select 3 credits of any ARE, ARH, or ART Honors course above the 100 level		3
Select any 400-level ARE, ARH, or ART course		3
Select any ARE, ARH, or ART Honors contract course		3

Recognition

Receive a Certificate of Disciplinary Honors in Art; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Heather Holian at hholian@uncg.edu for further information and guidance about Honors in Art. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Art, B.A.

The Art History concentration is for those students wishing to pursue careers either in art scholarship or the museum and gallery profession. Those thinking primarily of Art History are encouraged to study the foreign languages needed for scholarship, particularly French and German.

The Studio Art concentration combines a liberal arts education grounded in the humanities with studio practice. A B.A. degree is ideal for students interested in a range of post-graduate fields and art-related professional careers. All studio students entering the art department begin in the B.A. Studio Art concentration.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements
Related Area Requirements

All B.A. students in the School of Art are required to complete the following Foreign Language requirement:

GFL– Foreign Language (0–12 credits) Intermediate level proficiency in one language, demonstrated by placement test, or completion of course work through course number 204.

Concentration

Select one of the concentrations as detailed following the major requirements.

- Art History
- Studio Art

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Art History Concentration Requirements

- Minimum 39 credit hours in art
- No concentration requirements may be met with a grade lower than C (2.0)

Code	Title	Credit Hours
Required		15
ARH 110	Survey of Western Art: Prehistory-Renaissance [†]	
ARH 111	Survey of Western Art: Renaissance-Contemporary [†]	
ARH 112	Survey of Non-Western Art [†]	
ARH 219	Sophomore Seminar in Art History	
ARH 405	Research Topics in Art [*]	
Select		3
Select one of the following courses:		
ART 120	Fundamentals of Drawing	
ART 140	Foundation Design I	
ART 150	Three-Dimensional Foundations I	
Additional Studio Course		3
Select one 200-level Studio Art course		
Art History		18
Select at least 18 credits of Art History (ARH) course work at the 300 level or above		
[*] To be taken in the junior or senior year.		
[†] Counts toward GEC GFA requirement and GE Marker GL/GN requirement.		

Studio Art Concentration

- Minimum 51 credit hours in art

Code	Title	Credit Hours
Studio Foundation		28–31
<i>Foundation Semester 1</i>		
ART 105	Foundations Seminar	
ARH 110	Survey of Western Art: Prehistory-Renaissance [†]	
ART 120	Fundamentals of Drawing	
ART 140	Foundation Design I	
ART 150	Three-Dimensional Foundations I	
<i>Foundation Semester 2</i>		
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ART 220	Intermediate Drawing	
ART 240	Foundations Design 2 ¹	
ART 253	Three-Dimensional Foundations II ¹	
<i>Foundation Semester 3</i>		
ARH 112	Survey of Non-Western Art ^{††}	
ART 240	Foundations Design 2 (If not taken in Semester 2.) ²	
	or ART 253 Three-Dimensional Foundations II	
Additional Requirements		24
<i>Art History</i>		
Select 3 credits of Art History at 200 level or above		
Select 6 credits of Art History at 300 level or above		
<i>Studio Art</i> ³		
Select 15 credits of Studio Art above the 100 level		

¹ Or substitute for either ART 240 or ART 253 with ONE of the following: ARE 260, ART 285, or ART 286.

² Either ART 240 or ART 253 if not taken in Semester 2.

³ At least 9 credits must be at 300 level or above.

[†] Counts toward GEC GFA requirement and GE Marker GL/GN requirement.

College of Visual and Performing Arts
Minor Requirement

Students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice. Any B.A. student who is pursuing a double major is exempt from this requirement. See the Minor Requirement topic on the College of Visual and Performing Arts page for more information.

Art Education (K–12), B.F.A.

The Art Education (K-12) B.F.A. program offers academic breadth and concentration in a studio discipline. Upon successful completion of the program, students in the Art Education program are recommended for Standard Professional I Teacher Licensure.

The Art Education program’s goal is to contribute to preparing K-12 art teachers for the future, fully aware of the needs of a global and diverse

society, highly knowledgeable in their field, committed to diversity and multiculturalism, open to new ideas and adaptable to change. Upon completion of the program, students will have developed advanced art studio skills, content knowledge of art history, education, art education theory and pedagogy from historical and contemporary perspectives, technology skills, and have had quality preparation in general education. In addition, the program aims to help develop in students and children appropriate dispositions to include respect and acceptance of diversity in a creative, productive, and peaceful society.

B.F.A. Portfolio Review

Admittance to the B.F.A. program in Art Education, New Media and Design, Painting, Photography, Printmaking and Drawing, or Sculpture and Ceramics is contingent upon successful review of a portfolio by a rotating committee of School of Art faculty.

Non-transfer students enrolled in the B.A. Studio Art degree program may seek entrance into the B.F.A. Studio Art degree program in the third semester of the Studio Foundation Program course sequence, and must apply before completing a total of 28 credit hours of ART, ARH, or ARE courses. Students who fail the portfolio review may re-apply once, and must do so in the following semester. Transfer students must complete the UNC Greensboro Studio Foundation Program and must apply as early as they are eligible to do so.

Students who apply to the B.F.A. program as second-degree students will be given the opportunity to appeal the initial portfolio review at the start of their application process.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Core studio courses for major concentrations may be closed to students who are not enrolled in a degree program full-time.

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	

Major Requirements

Requirements for Graduation and Standard Professional I Teaching Licensure K-12 for all Students Entering the Program Beginning Fall 2018

- Complete all academic coursework outlined below.
- Minimum 3.0 overall GPA.
- Earn passing scores in Praxis 1: Core Academic Skills & Praxis 2: Content Knowledge
- Complete and pass the Electronic Art Education Teaching Portfolio (EdTPA & TaskStream: watermarkinsights.com)
- Successfully complete student teaching performance at an Elementary, Middle, or High School level.
- Successfully complete and pass required evaluations including Candidate Disposition Assessment Profile (CDAP), Teacher Candidate Evaluation (TCE), and Certificate of Teaching Capacity (COTC) as implemented throughout the program.

Code	Title	Credit Hours
Art History		9
Select three courses in Art History above the 100 level. *		
Studio Foundation		28
<i>Foundations Semester 1</i>		
ART 105	Foundations Seminar	
ARH 110	Survey of Western Art: Prehistory-Renaissance [†]	
ART 120	Fundamentals of Drawing	
ART 140	Foundation Design I	
ART 150	Three-Dimensional Foundations I	
<i>Foundations Semester 2</i>		
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ART 220	Intermediate Drawing	
ART 240	Foundations Design 2 ^{**}	
ART 253	Three-Dimensional Foundations II ^{**}	
<i>Foundations Semester 3</i>		
ARH 112	Survey of Non-Western Art ^{††}	
ART 240	Foundations Design 2 (If not taken in Semester 2.) ^{***}	
	or ART 253 Three-Dimensional Foundations II	
B.F.A. Portfolio Review		
See Admissions and Policies for the major.		
Studio Art		3
ART 221	Life Drawing I	
Crafts Art		6
Select one of the following:		
ART 281 & ART 373	Ceramics I and Design Methods for the Crafts	
ART 281 & ART 381	Ceramics I and Ceramics II	
Area of Emphasis		9
Select 9 credits from one of the following Areas of Emphasis:		
<i>New Media and Design</i>		
ART 340	Concepts in Time-based Media	
ART 341	Letters, Signs, and Symbols	
ART 344	Digital Darkroom	
ART 345	Introduction to Web Design	
ART 347	Color Theory	
ART 441	Books and Images	
ART 442	Image Sequencing/Sequential Images	
ART 445	Three-Dimensional Design	
ART 446	Graphic Design	
<i>Painting</i>		
ART 232	Painting I	
ART 321	Life Drawing II	
ART 322	Variable Topics in Drawing	
ART 335	Painting II	
ART 337	Painting III	
<i>Photography</i>		
ART 285	Photography I	
ART 286	Digital Photography One	
ART 344	Digital Darkroom	

ART 384	Photojournalism and Documentary Photography
ART 385	Photography II
ART 386	Studio Lighting for Photography
ART 387	Alternative Photographic Processes
ART 388	Photographic Interaction
<i>Printmaking and Drawing</i>	
ART 321	Life Drawing II
ART 322	Variable Topics in Drawing
ART 324	Screen Printing and Monoprint
ART 326	Printmaking I
ART 328	Printmaking II
ART 329	Lithography
ART 349	Expanded Print Media
ART 420	Advanced Drawing
<i>Sculpture and Ceramics</i>	
ART 353	Metal Casting
ART 354	Metal Sculpture
ART 355	Sculpture I
ART 356	Sculpture II
ART 382	Ceramic Glaze Techniques
ART 481	Ceramics III
Art Education	30
<i>Pedagogical Expertise/Art Education</i>	
ARE 260	Art, Education, and Social Practice
ARE 361	Foundations of Art Education II
ARE 363	Curriculum and Teaching Methods in the Elementary School
ARE 364	Practicum Service-Learning
ARE 365	Curriculum and Teaching Methods in the Secondary School
ARE 368	Research in Contemporary Issues in Art Education
<i>Professional Development</i>	
ARE 465	Student Teaching

* May not include ARH 110, ARH 111, or ARH 112.

** Or substitute for either ART 240 or ART 253 with ONE of the following: ARE 260, ART 285, or ART 286.

*** Either ART 240 or ART 253 if not taken in Semester 2.

† Counts toward GEC GFA requirement.

†† Counts toward GE Marker GL/GN requirement.

Teacher Education Requirements

Code	Title	Credit Hours
Required		3
TED 401	Child and Adolescent Development and Learning	
TED 403	Teaching English Learners with Diverse Abilities	
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	

Admission to Undergraduate Teacher Education Program

Admission Requirements for Teacher Education

During the spring semester of their sophomore year, students must apply for admission to Undergraduate Teacher Education.

1. Online application submission
2. Minimum Praxis I exam score of 522
3. Medical clearance
4. Criminal background check completed (BIB)
5. Minimum 3.0 GPA

Admission Requirements for Student Teaching

During the spring semester of their junior year, students must apply for admission to student teaching for the following spring. The Student Teaching course is offered only in the spring semester.

1. Application and attachments submitted to the Art Education Coordinator by February 10
2. Minimum 3.0 overall GPA
3. Criminal background check completed (BIB)
4. Pass Praxis I (Core Academic Skills-Reading, Math, and Writing) and Praxis 2 (Art Content Knowledge and Analysis)
5. Successful studio portfolio review and admission interview
6. Complete the Art Education courses in the Major requirements above.
7. Evidence of skills, knowledge, dispositions, and competencies as set and evaluated by the department

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Studio Art, B.F.A.

The B.F.A. program is designed for students who are serious about pursuing careers as professional artists. The B.F.A. is a pre-professional degree leading to the M.F.A. or directly to a career in the Fine Arts.

B.F.A. Portfolio Review

Admittance to the B.F.A. program in Art Education, New Media and Design, Painting, Photography, Printmaking and Drawing, or Sculpture and Ceramics is contingent upon successful review of a portfolio by a rotating committee of School of Art faculty.

Non-transfer students enrolled in the B.A. Studio Art degree program may seek entrance into the B.F.A. Studio Art degree program in the third semester of the Studio Foundation Program course sequence, and must apply before completing a total of 28 credit hours of ART, ARH, or ARE courses. Students who fail the portfolio review may re-apply once, and must do so in the following semester. Transfer students must complete the UNC Greensboro Studio Foundation Program and must apply as early as they are eligible to do so.

Students who apply to the B.F.A. program as second-degree students will be given the opportunity to appeal the initial portfolio review at the start of their application process.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

- Core studio courses for major concentrations may be closed to students who are not enrolled in a degree program full-time.

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	

Major Requirements

Code	Title	Credit Hours
Art History		9
Select three courses in Art History above the 100 level. *		
Studio Foundation		28
<i>Foundation Semester 1</i>		
ART 105	Foundations Seminar	
ARH 110	Survey of Western Art: Prehistory-Renaissance [†]	
ART 120	Fundamentals of Drawing	
ART 140	Foundation Design I	
ART 150	Three-Dimensional Foundations I	
<i>Foundation Semester 2</i>		
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ART 220	Intermediate Drawing	
ART 240	Foundations Design 2	
ART 253	Three-Dimensional Foundations II	
<i>Or substitute one of the following for either ART 253 or ART 240</i>		
ART 285	Photography I	
ART 286	Digital Photography One	
ARE 260	Art, Education, and Social Practice	
<i>Foundation Semester 3</i>		
ARH 112	Survey of Non-Western Art ^{††}	
ART 240	Foundations Design 2 ^{**}	
	or ART 253 Three-Dimensional Foundations II	
Senior Show		
All students in their senior year are required to submit ready-to-exhibit work(s) to the Senior Show.		

* May not include ARH 110, ARH 111, ARH 112

** If postponed from Semester 2, choose either ART 240 or ART 253

[†] Counts toward GEC GFA requirement

^{††} Counts toward GE Marker GL/GN requirement

Concentration

Select one of the concentrations as detailed following the major requirements.

- New Media and Design
- Painting
- Photography
- Printmaking and Drawing
- Sculpture and Ceramics

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

New Media and Design Concentration Requirements

Code	Title	Credit Hours
Required		15
ART 221	Life Drawing I	
ART 340	Concepts in Time-based Media	
ART 341	Letters, Signs, and Symbols	
ART 344	Digital Darkroom	
ART 345	Introduction to Web Design	
New Media and Design		6
Select 6 credits from ART courses numbered in the 340s, 390s, 440s, 490s, or ART 373		
Advanced New Media and Design		9
Select 9 credits from ART courses numbered in the 440s or 490s		
Capstone *		3
ART 447	New Media and/or Design Capstone	
Art or Related Electives		9
Select 9 credits of ART or related electives *		

* Recommended but not required: Choose from 300 level or above

Painting Concentration Requirements

Code	Title	Credit Hours
Required		24
ART 221	Life Drawing I	
ART 232	Painting I	
ART 321	Life Drawing II	
ART 322	Variable Topics in Drawing	
ART 335	Painting II	
ART 337	Painting III	
ART 420	Advanced Drawing	
ART 482	Capstone Painting Studio and Practice Seminar	
Printmaking		6
Select 6 credits of Printmaking		
Art or Related Electives		12
Select 12 credits of ART or related electives *		

* Recommended but not required: Choose from the 300 level or above

Photography Concentration Requirements

Code	Title	Credit Hours
Required		24
ART 221	Life Drawing I	
ART 285	Photography I	
ART 286	Digital Photography One	
ART 384	Photojournalism and Documentary Photography	
ART 385	Photography II	
ART 386	Studio Lighting for Photography	

ART 387	Alternative Photographic Processes	
ART 485	Photography Professional Practices Studio Capstone	
Select three courses from the following:		9
ART 345	Introduction to Web Design	
ARH 350	History of Photography	
ART 388	Photographic Interaction	
ART 393	Practicum/Internship in Art Careers	
ART 441	Books and Images	
ART 442	Image Sequencing/Sequential Images	
ART 487	Variable Topics in Photography	
ART 496	Special Problems, Studio	
Art or Related Electives		9
Select 9 credits of ART or related electives *		

* Recommended but not required: Choose from 300 level or above

Printmaking and Drawing Concentration Requirements

Code	Title	Credit Hours
Required		30
ART 221	Life Drawing I	
ART 321	Life Drawing II	
ART 322	Variable Topics in Drawing	
ART 324	Screen Printing and Monoprint	
ART 326	Printmaking I	
ART 328	Printmaking II	
ART 329	Lithography	
ART 349	Expanded Print Media	
ART 420	Advanced Drawing	
ART 427	Printmaking and Drawing Capstone	
Art or Related Electives		12
Select 12 credits of ART or related electives *		

* Recommended but not required: Choose from 300 level or above

Sculpture and Ceramics Concentration Requirements

Code	Title	Credit Hours
Required		30
ART 221	Life Drawing I	
ART 281	Ceramics I	
ART 322	Variable Topics in Drawing	
ART 353	Metal Casting	
ART 354	Metal Sculpture	
ART 355	Sculpture I	
ART 356	Sculpture II	
ART 381	Ceramics II	
ART 459	Sculpture and/or Ceramics Studio Capstone	
ART 481	Ceramics III	
Art or Related Electives		12
Select 12 credits of ART or related electives *		

* Recommended but not required: Choose from 300 level or above.

Art History for Artists Undergraduate Minor

Program Requirements

- Minimum of 15 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
Required		3
ARH 219	Sophomore Seminar in Art History	
Select		12
Select a minimum of an additional 12 credits of Art History courses. *		

- *
- At least 9 credits must be at the 300 level or above.
 - These selections must be different from courses taken to fulfill the Art History requirements for the B.F.A.

Art History Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
Required		12
ARH 110	Survey of Western Art: Prehistory-Renaissance	
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ARH 112	Survey of Non-Western Art	
ARH 219	Sophomore Seminar in Art History	
Select		6
Select six additional credits of Art History courses at the 300 level or above.		

New Media and Design Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
Select		3
Select one from the following:		
ART 100	Introduction to Art	
ARH 110	Survey of Western Art: Prehistory-Renaissance	
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ARH 112	Survey of Non-Western Art	

Required	6
ART 140 Foundation Design I	
ART 240 Foundations Design 2	
Select	9
Select three from the following:	
ART 340 Concepts in Time-based Media	
ART 341 Letters, Signs, and Symbols	
ART 344 Digital Darkroom	
ART 345 Introduction to Web Design	
ART 441 Books and Images	
ART 442 Image Sequencing/Sequential Images	
ART 445 Three-Dimensional Design	
ART 446 Graphic Design	
ART 448 Variable Topics in New Media and Design	
ART 443 Interactive Web Design	

Painting Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
Select		3
Select one from the following:		
ARH 110	Survey of Western Art: Prehistory-Renaissance	
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ARH 112	Survey of Non-Western Art	
ART 100	Introduction to Art	
Required		15
ART 120	Fundamentals of Drawing	
ART 220	Intermediate Drawing	
ART 232	Painting I	
ART 335	Painting II	
ART 337	Painting III	

Photography Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
Required		9
ART 140	Foundation Design I	
ART 285	Photography I	
ART 286	Digital Photography One	
Select one of the following courses:		
ARH 110	Survey of Western Art: Prehistory-Renaissance	
ARH 111	Survey of Western Art: Renaissance-Contemporary	

ARH 112	Survey of Non-Western Art	
ART 100	Introduction to Art	
Select two of the following courses:		6
ART 384	Photojournalism and Documentary Photography	
ART 385	Photography II	
ART 386	Studio Lighting for Photography	
ART 387	Alternative Photographic Processes	
ART 388	Photographic Interaction	
ART 393	Practicum/Internship in Art Careers	
ART 487	Variable Topics in Photography	

Printmaking and Drawing Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
Select one course from the following:		3
ARH 110	Survey of Western Art: Prehistory-Renaissance	
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ARH 112	Survey of Non-Western Art	
ART 100	Introduction to Art	
Required		12
ART 120	Fundamentals of Drawing	
ART 220	Intermediate Drawing	
ART 326	Printmaking I	
ART 328	Printmaking II	
Select one course from the following:		3
ART 221	Life Drawing I	
ART 324	Screen Printing and Monoprint	
ART 329	Lithography	
ART 349	Expanded Print Media	

Sculpture and Ceramics Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
Required		12
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ART 150	Three-Dimensional Foundations I	
ART 253	Three-Dimensional Foundations II	
ART 355	Sculpture I	
Select		6

Select two from the following:

ART 281	Ceramics I
ART 353	Metal Casting
ART 354	Metal Sculpture
ART 381	Ceramics II

Studio Art Undergraduate Minor Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
Select		3
Select one from the following:		
ARH 110	Survey of Western Art: Prehistory-Renaissance	
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ARH 112	Survey of Non-Western Art	
ART 100	Introduction to Art	
Required		15
ART 120	Fundamentals of Drawing	
ART 140	Foundation Design I	
ART 150	Three-Dimensional Foundations I	
ART 220	Intermediate Drawing	
ART 221	Life Drawing I	

Art Second Academic Concentration

The second academic concentration in Art is designed specifically for Elementary Education Majors.

Requirements

- 18 credit hours

Art History Focus

Code	Title	Credit Hours
<i>Required</i>		
ARE 367	Child Art and Teaching	
<i>Select one of the following:</i>		
ART 100	Introduction to Art	
ARH 110	Survey of Western Art: Prehistory-Renaissance [†]	
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ART 120	Fundamentals of Drawing	
or ART 140	Foundation Design I	
<i>Select one studio course [*]</i>		
<i>Select two additional art history (ARH) courses at the 300 and/or 400 level</i>		

^{*} Chosen from those for which ART 120 or ART 140 are prerequisites.

Studio Art Focus

Code	Title	Credit Hours
<i>Required</i>		
ART 232	Painting I	
ARE 367	Child Art and Teaching	
<i>Select one of the following:</i>		
ART 100	Introduction to Art	
ARH 110	Survey of Western Art: Prehistory-Renaissance [†]	
ARH 111	Survey of Western Art: Renaissance-Contemporary	
ART 120	Fundamentals of Drawing	
or ART 140	Foundation Design I	
<i>Select one studio course [*]</i>		
<i>Select one additional art history (ARH) course at the 300 or 400 level</i>		

^{*} Chosen from those for which ART 120 or ART 140 are prerequisites.

[†] Counts toward GEC GFA requirement.

Studio Arts, M.F.A.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants should have a Bachelor's degree in a visual arts discipline and must submit a CD or DVD with 20 images of recent work. Applicants with Bachelor's degrees in other fields will be considered for admission if their portfolio demonstrates the ability to pursue work at the graduate level.

Degree Program Requirements

Required: 60 credit hours

To complete the M.F.A. program, the student must complete 60 credit hours of coursework in studio art, art criticism, art history and electives, pass all required examinations, and complete thesis work.

Code	Title	Credit Hours
Required Courses (6-9 credits)		
ARH 503	Perspectives in Contemporary Art	3
ART 622	Drawing Marathon	3
ARH 501	Topics in the History of Art ¹	
Studio Seminar (9-12 credits)		
Select 9-12 credits from 600-level ART Graduate Studio Seminar ²		9-12
Studio Courses (18-24 credits)		
Select 18-24 credits from the following: ³		18-24
ART 635	Painting	
ART 641	New and Expanded Media	
ART 657	Sculpture	
ART 682	Ceramics	
ART 685	Photography	
Art History Courses (6-9 credits) ⁴		
Select 6-9 credits from 600-level ARH courses		6-9
Electives (0-12 credits)		
Select sufficient credits from 500- or 600-level courses to complete the required 60 credits		0-12

Thesis (6 credits)	6
Total Credit Hours	45-69

NOTE: All students must complete 60 credit hours for the M.F.A. in Studio Arts. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

- ¹ *Required when offered as part of the Summer Study Initiative international experience.*
- ² *Must be taken in each of the first three semesters; optional in the final semester.*
- ³ *One of these 6-credit courses must be taken in each of the first three semesters; may be replaced by thesis credits in the final semester.*
- ⁴ *6 credits if ARH 601 Public Art was taken during the Summer.*

Admission to Candidacy

To be formally admitted to candidacy for the M.F.A. degree, students must have successfully completed two semesters of full-time graduate work, including ART 622 Drawing Marathon, removed all deficiencies, possess a B (3.0) average in all courses taken during the first two semesters, and have an overall grade record consistent with the regulations stated in the University Catalog. In addition, the application to candidacy must be approved by a committee of the Art Department graduate faculty to be appointed by the department head. The committee will meet with students to review work and sign candidacy forms early in the fall semester of the second year of graduate work. Students are limited to two candidacy reviews. If a student is not admitted to candidacy during the first review, the review team will issue written recommendations for further studies. The second review will take place within a year of the first. Failure to pass candidacy for the second time will prohibit the student from continuing in the program.

Oral Thesis Presentation

In the spring semester of the graduating year, each M.F.A. candidate will give a formal oral presentation to their thesis committee prior to the installation of their thesis exhibition. Thesis (6 credits) (Capstone Experience)

After passing candidacy review in the fall semester of the final year, the student and the Thesis Chair consult together to name the remaining members of the committee. The Department Head and the Director of Graduate Study review the membership of the committee before the student begins thesis work. The committee consists of four to five faculty members who hold graduate faculty status in the University. Part-time faculty do not serve on thesis committees. At least one member of the committee is a studio faculty member who teaches in the same discipline as the student's studio practice. One other member is an art historian. It is optional for the student to select a graduate faculty member from another department in the University. This faculty member should pursue scholarly research that relates to the student's field of interest. Thesis Chairs are selected from the studio art or art history faculty.

Early in the final semester of thesis work, the student arranges a meeting with the thesis committee to discuss all aspects of final thesis work, including the thesis paper, the oral presentation, the comprehensive art history exam, and the thesis exhibition. The thesis paper should be five to ten pages in length, conform to Graduate School requirements, and be signed by all committee members before it is electronically submitted to The Graduate School. The body of work submitted for the thesis exhibition must receive final approval of all thesis committee members.

School of Dance

College of Visual and Performing Arts

323 Coleman Building
336-334-5570
<http://dance.uncg.edu>

Janet Lilly, *Director of the School of Dance*
Ana Paula Höfling, *Director of Graduate Study*
Robin Gee, *Director of Undergraduate Studies*

Mission Statement

Within the context of UNC Greensboro's comprehensive liberal arts curriculum, the School of Dance offers bachelors and masters degrees that provide specialized skills for a variety of careers in the evolving field of dance. The school's primary goal is to teach students the imaginative, critical, and technical skills essential to the creative process and to scholarly inquiry. Our comprehensive curricula foster inclusive learning and intellectual curiosity framed by an engagement with cultural diversity, community outreach, and global issues as related to dance. The school prepares undergraduate and graduate students for further study and successful and productive lives as artists, educators, and scholars at the state, regional, national and international levels.

Accreditation(s)

UNC Greensboro is an accredited institutional member of the National Association of Schools of Dance. The school's program leading to K–12 teaching licensure (Standard Professional I) for public school teaching is accredited by the North Carolina Department of Public Instruction.

Admission to Dance Majors (B.A. and B.F.A.)

Admission for dance major programs in the School of Dance is by audition only. All prospective dance majors must participate in a selective admission process. This includes students currently at UNC Greensboro who have not been accepted as majors in the school. Prospective students apply to audition on the College of Visual and Performing Arts website and complete an on-site audition class.

Graduate Programs

- Master of Arts (M.A.) in Dance Education (36 credit hours)
- Master of Arts (M.A.) in Dance, Theories and Practices concentration (36 credit hours)
- Master of Fine Arts (M.F.A.) in Dance, Choreography concentration (60 credit hours)
- Post-Baccalaureate Licensure in Dance

Professor

Duane A. Cyrus^G
Larry E. Lavender^G
Janet Lilly^G

Associate Professor

Robin M. Gee^G
Teresa Louise Heiland^G
Mila L. Parrish^G
B.J. Sullivan^G

Assistant Professor

Ana Paula Höfling^G
Clarice Cecile Young^G

Academic Professional Assistant Professor
Melinda S. Waegerle^G

Lecturer
Virginia Ray Freeman Dupont^G
Michael Job
Alfonso A. Rorie
Angeline M Shaka
Nekeshia Renee Wall
Maurice Watson^G

^G Graduate-level faculty

- Dance Studies, B.A. (p. 422)
- Dance, B.F.A. (p. 424)
- Dance Undergraduate Minor (p. 426)
- Dance, M.A. (p. 426)
- Dance, M.F.A. (p. 427)
- Dance Education, M.A. (p. 427)
- Dance, Post-Baccalaureate Licensure (p. 428)

Dance Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- A grade of A or B in all course work used to satisfy the Honors requirement in Dance and at least a 3.30 overall GPA at graduation.

Code	Title	Credit Hours
Required		6
DCE 493	Honors Work *	
DCE 405	Choreographies and Choreographers	
Select 6 credits of any additional DCE courses at the 300-400 level **		6

* B.F.A. students may substitute DCE 470 with permission of the instructor and the school Honors Liaison.

** Taken as an Honors contract course.

Recognition

Receive a Certificate of Disciplinary Honors in Dance; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Ana Paula Hofling at aphofling@uncg.edu for information on admission to the Disciplinary Honors Program in Dance. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Dance Studies, B.A.

The Dance Studies concentration is designed to provide students with a general education in dance. The Dance Studies with K–12 Teaching Licensure concentration may be selected by students admitted to the school through audition and who are completing a B.A. in Dance.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level (plus additional required hours for Dance Education concentration)
- Overall 2.50 or higher GPA in courses taken at UNC Greensboro (3.0 or higher GPA for Dance Education concentration); 2.75 GPA in all DCE courses applied to the major.
- 50 credits in the major, including at least 24 credits at the 300 level or higher.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Dance Studies
- Dance Studies with K–12 Teaching Licensure

Electives

Sufficient electives to complete the 120 total credit hours required for the degree.

Dance Studies Concentration Requirements

Code	Title	Credit Hours
Dance History		9
DCE 207	Dance History: Modernism and Postmodernism ^{††}	
DCE 307	Dance History: Mapping Dance ^{†, ††}	
DCE 405	Choreographies and Choreographers ^{†††}	
Dance Theory and Practice		12
DCE 217	Exploration and Improvisation in Dance	
DCE 253	Choreography I: Craft	
DCE 255	Dance Production Practicum I	
DCE 340	The Body and Motion in Dance	
DCE 355	Dance Production Practicum II	
DCE 360	Dance Production	
Dance Technique		12
<i>Select a minimum of 2 credits from the following:</i>		
DCE 111	Introduction to Contemporary Dance	
DCE 112	Contemporary Dance I	
DCE 212	Contemporary Dance II	
DCE 312	Contemporary Dance III	
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique	
DCE 412	Contemporary Dance IV	
<i>Select a minimum of 2 credits from the following:</i>		
DCE 113	Introduction to Ballet	
DCE 114	Ballet I	
DCE 214	Ballet II	

DCE 314	Ballet III
DCE 414	Ballet IV
<i>Select a minimum of 1 credit from the following:</i>	
DCE 132	African Dance I
DCE 232	African Dance II
DCE 332	African Dance III
<i>Select 1 credit from the following:</i>	
DCE 132	African Dance I
DCE 133	Tap Dance I
DCE 216	Jazz Dance II
DCE 231	Global Dance Forms
DCE 232	African Dance II
DCE 233	Tap Dance II
DCE 316	Jazz Dance III
DCE 332	African Dance III
<i>Select a minimum of 2 credits from the following:</i>	
DCE 212	Contemporary Dance II
DCE 214	Ballet II
DCE 312	Contemporary Dance III
DCE 314	Ballet III
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique
DCE 412	Contemporary Dance IV
DCE 414	Ballet IV
<i>Select an additional 2 credits from the following:</i>	
DCE 216	Jazz Dance II
DCE 232	African Dance II
DCE 316	Jazz Dance III
DCE 332	African Dance III
<i>Select 2 credits from the following and complete with a minimum grade of B (3.0):</i>	
DCE 212	Contemporary Dance II
DCE 214	Ballet II
DCE 216	Jazz Dance II
DCE 230	Somatic Practices in Dance
DCE 232	African Dance II
DCE 312	Contemporary Dance III
DCE 314	Ballet III
DCE 316	Jazz Dance III
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique
DCE 330	Iyengar Yoga: Somatic Practice
DCE 332	African Dance III
DCE 412	Contemporary Dance IV
DCE 414	Ballet IV

Dance Electives

Select Dance electives to total 50 credits in Dance, with at least 24 credits at the 300 level or higher

Code	Title	Credit Hours
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Recommended

DCE 117	Movement as a Medium
DCE 259	Introduction to Laban Movement Analysis

† Counts toward GE Marker GL/GN requirement.

†† Writing Intensive course

††† Speaking Intensive course

Dance Studies with K–12 Teaching Licensure Concentration Requirements

Note: Completion of these courses does not guarantee licensure. Through advising, students are advised of additional requirements for documenting the evidence required for licensure. Contact the School of Education Office of Student Services at 336-334-3410 for more information.

Code	Title	Credit Hours
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Dance History 9

DCE 207	Dance History: Modernism and Postmodernism
DCE 307	Dance History: Mapping Dance
DCE 405	Choreographies and Choreographers

Dance Theory and Practice 12

DCE 217	Exploration and Improvisation in Dance
DCE 253	Choreography I: Craft
DCE 259	Introduction to Laban Movement Analysis
DCE 340	The Body and Motion in Dance
DCE 355	Dance Production Practicum II
DCE 360	Dance Production

Dance Technique 21

Select a minimum of 8 credits from the following:

DCE 112	Contemporary Dance I
DCE 212	Contemporary Dance II
DCE 312	Contemporary Dance III
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique
DCE 412	Contemporary Dance IV

Select a minimum of 6 credits from the following:

DCE 114	Ballet I
DCE 214	Ballet II
DCE 314	Ballet III
DCE 414	Ballet IV

Select a minimum of 1 credit from the following:

DCE 132	African Dance I
DCE 232	African Dance II
DCE 332	African Dance III

*Select a minimum of 4 credits from the following: **

DCE 212	Contemporary Dance II
DCE 214	Ballet II
DCE 312	Contemporary Dance III
DCE 314	Ballet III
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique

DCE 412	Contemporary Dance IV
DCE 414	Ballet IV
<i>Select 2 credits from the following:</i>	
DCE 216	Jazz Dance II
DCE 232	African Dance II
DCE 316	Jazz Dance III
DCE 332	African Dance III

Dance Electives

Select dance electives to total 50 credits in Dance, with at least 24 credits at the 300 level or higher **

Teacher Licensure Requirements 27

SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings
TED 401	Child and Adolescent Development and Learning
TED 403	Teaching English Learners with Diverse Abilities
DCE 359	Foundations for Dance Education
DCE 459	Dance Education Methods and Field Experience (Taken 3 times for a total of 9 s.h.)
DCE 460	Assessment and Instruction in the Dance Classroom
DCE 461	Student Teaching in Dance Education
DCE 463	Seminar in Dance Education

* Requirements must be met with a grade of B or higher

** Recommended course: DCE 117

College of Visual and Performing Arts Minor Requirement

Students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice. Any B.A. student who is pursuing a double major is exempt from this requirement. See the Minor Requirement topic on the College of Visual and Performing Arts page for more information.

Dance, B.F.A.

The Dance (Choreography and Performance) Major (B.F.A.) is planned to provide experiences in dance as an art form with emphasis on creative and performance activities. Course work in contemporary dance, african dance, ballet technique, choreography, and performance are central in the curriculum, providing a basis for graduate study and for careers related to dance. The Dance (Choreography and Performance) with K–12 Standard Professional I Licensure concentration may be added by eligible students admitted to the school through audition and who are completing a B.F.A. in dance.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level (plus additional required licensure hours).
- Overall 2.75 GPA or higher in courses taken at UNC Greensboro.

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Dance (Choreography and Performance)
- Dance (Choreography and Performance) with K–12 Standard Professional I Licensure

Electives

Electives sufficient to complete 120 total credit hours required for degree, at least 42 credits outside Dance, including GEC.

Dance (Choreography and Performance) Concentration Requirements

Code	Title	Credit Hours
Dance Technique		28
<i>Select 10 credits from the following: *</i>		
DCE 312	Contemporary Dance III	
DCE 314	Ballet III	
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique	
DCE 332	African Dance III	
DCE 412	Contemporary Dance IV	
DCE 414	Ballet IV	
<i>Select 10 credits from the following:</i>		
DCE 112	Contemporary Dance I	
DCE 212	Contemporary Dance II	
<i>Select 6 credits from the following:</i>		
DCE 114	Ballet I	
DCE 214	Ballet II	
DCE 314	Ballet III	
DCE 414	Ballet IV	
<i>Select 2 credits from the following:</i>		
DCE 132	African Dance I	
DCE 232	African Dance II	
DCE 332	African Dance III	
<i>Select 4 credits from the following:</i>		
DCE 216	Jazz Dance II	
DCE 230	Somatic Practices in Dance	
DCE 231	Global Dance Forms	
DCE 232	African Dance II	
DCE 233	Tap Dance II	
DCE 316	Jazz Dance III	
DCE 330	Iyengar Yoga: Somatic Practice	
DCE 332	African Dance III	
DCE 431	Capoeira History and Practice	

Dance Choreography, Performance, and Production 23-24

DCE 217	Exploration and Improvisation in Dance
DCE 253	Choreography I: Craft
DCE 355	Dance Production Practicum II
DCE 360	Dance Production
DCE 417	Contact Improvisation
DCE 453	Choreography III: Group Forms
DCE 470	Creative Synthesis in Dance
or DCE 487	Performance Theory and Practice

Dance Performance 6*Select 6 credits from the following:*

DCE 143	Dance Performance Workshop
DCE 243	Dance Repertory II
DCE 250	Dance Performance Practicum ¹
DCE 343	Repertory III ^{**}
DCE 443	Advanced Dance Repertory ^{**}

Dance History and Theory 17

DCE 207	Dance History: Modernism and Postmodernism (Writing Intensive)
DCE 307	Dance History: Mapping Dance (Writing Intensive)
DCE 340	The Body and Motion in Dance
DCE 359	Foundations for Dance Education
DCE 405	Choreographies and Choreographers
DCE 455	Arts and Entrepreneurship: Career Strategies for Artists (Speaking Intensive)

Dance Electives 9-10

Recommended

DCE 117	Movement as a Medium
DCE 259	Introduction to Laban Movement Analysis

* With a minimum grade of B (2.0)

^{**} Must include at least 2 credits as listed below:

DCE 343 OR DCE 443

¹ May not include more than 2 credits from this course**Dance (Choreography and Performance) with K–12 Standard Professional I Licensure Concentration Requirements**

- Note: Completion of these courses does not guarantee licensure. Through advising, students are advised of additional requirements for documenting the evidence required for licensure. Contact the School of Education Office of Student Services at 336-334-3410 for more information.

Code	Title	Credit Hours
Dance Technique 17		
<i>Select 6 credits from the following: *</i>		
DCE 312	Contemporary Dance III	
DCE 314	Ballet III	
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique	
DCE 332	African Dance III	
DCE 412	Contemporary Dance IV	
DCE 414	Ballet IV	

4 credits from the following:

DCE 112	Contemporary Dance I
DCE 212	Contemporary Dance II

4 credits from the following:

DCE 114	Ballet I
DCE 214	Ballet II
DCE 314	Ballet III
DCE 414	Ballet IV

1 credit from the following:

DCE 132	African Dance I
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Select 2 credits from the following:

DCE 216	Jazz Dance II
DCE 230	Somatic Practices in Dance
DCE 231	Global Dance Forms
DCE 232	African Dance II
DCE 233	Tap Dance II
DCE 316	Jazz Dance III
DCE 330	Iyengar Yoga: Somatic Practice
DCE 332	African Dance III
DCE 431	Capoeira History and Practice

Dance Choreography, Performance, and Production 24-25

DCE 217	Exploration and Improvisation in Dance
DCE 253	Choreography I: Craft
DCE 259	Introduction to Laban Movement Analysis
DCE 355	Dance Production Practicum II
DCE 360	Dance Production
DCE 417	Contact Improvisation
DCE 453	Choreography III: Group Forms
DCE 465	Screen Dance
DCE 470	Creative Synthesis in Dance
or DCE 487	Performance Theory and Practice

Dance Performance 6*Select 6 credits from the following:*

DCE 143	Dance Performance Workshop
DCE 243	Dance Repertory II
DCE 250	Dance Performance Practicum ^{**}
DCE 343	Repertory III ¹
DCE 443	Advanced Dance Repertory ¹

Dance History and Theory 11

DCE 207	Dance History: Modernism and Postmodernism
DCE 307	Dance History: Mapping Dance
DCE 340	The Body and Motion in Dance
DCE 359	Foundations for Dance Education

Teacher Licensure Requirements 25

SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings
TED 401	Child and Adolescent Development and Learning
TED 403	Teaching English Learners with Diverse Abilities
DCE 459	Dance Education Methods and Field Experience (4 s.h. taken 3 times for a total of 12 s.h.)
DCE 460	Assessment and Instruction in the Dance Classroom

DCE 461	Student Teaching in Dance Education
DCE 463	Seminar in Dance Education

- * With a minimum grade of B or higher
- ** May not include more than 2 credits from this course
- ¹ Must include at least 2 credits as listed below:
DCE 343 OR DCE 443

Dance Undergraduate Minor

A Dance minor is available for students not wishing to specialize but who have an interest in dance and want a concentration of study in the area to complement an affiliated program of study. Dance majors are given priority in registration for most courses, but minors may receive special consideration. The minor includes a minimum of 15 credit hours, with at least seven above the 100 level.

Program Requirements

- Minimum 15 credits

Code	Title	Credit Hours
<i>Required</i>		
DCE 101	Introduction to Dance	
DCE 200	Dance Appreciation	
<i>Select 3 credits in Technique from the following:</i>		
DCE 111	Introduction to Contemporary Dance	
DCE 112	Contemporary Dance I	
DCE 113	Introduction to Ballet	
DCE 114	Ballet I	
DCE 116	Jazz Dance I	
DCE 132	African Dance I	
DCE 133	Tap Dance I	
DCE 212	Contemporary Dance II	
DCE 214	Ballet II	
DCE 216	Jazz Dance II	
DCE 232	African Dance II	
DCE 233	Tap Dance II	
DCE 312	Contemporary Dance III	
DCE 314	Ballet III	
DCE 316	Jazz Dance III	
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique	
DCE 332	African Dance III	
DCE 412	Contemporary Dance IV	
DCE 414	Ballet IV	
<i>Select additional courses from other DCE offerings to total a minimum of 15 credits</i>		

Dance, M.A.

The M.A. in Dance with a concentration in Theories and Practices is a two-year in-residence program that requires 36 credit hours to complete. The program is designed to prepare students for practical professional dance careers or for doctoral work. Students develop knowledge in practice and scholarship, literature, and somatic experience.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions. Prospective students should contact the school before submitting an application.

In addition to the application materials required by The Graduate School, applicants should submit a personal statement and samples of work directly to the school.

Admission to graduate study in dance is on the basis of competence as evidenced by the undergraduate record, demonstrated proficiency, and potential in the field of dance.

Program entry is in the fall term only; the application deadline is November 15.

Degree Program Requirements

Required: 36 credit hours

Code	Title	Credit Hours
Required Courses (12-13 credits)		
DCE 605	Choreographies and Choreographers	3
DCE 610	Dance Studies I: Theories and Methods	3
DCE 611	Dance Studies II: Research Projects	3
Select one course (3-4 credits) from the following:		3-4
DCE 630	Advanced Body Theories and Practices in Dance	
DCE 660	Issues in Planning the Dance Curriculum	
DCE 667	The Dancer's Body	
Electives (17-21 credits)		
Select 17-21 credits of electives *		17-21
Culminating Project (Capstone Experience) (3-6 credits)		
Select one (3-6 credits) of the following:		3-6
DCE 663	PreK-12 Dance Education Practicum	
DCE 698	Field Project in Dance	
DCE 699	Thesis	
Total Credit Hours		32-40

NOTE: All students must complete 36 credit hours for the M.A. in Dance. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

- * Students select electives with the approval of the advisor, at least 9 credits of which are in dance. A research course outside the school is recommended.

Reviews

Students are reviewed by the dance faculty when 12 credits of graduate course work are complete. Faculty assesses student progress within the degree program.

Once students have completed at least two-thirds of the course work and DCE 610 Dance Studies I: Theories and Methods and have achieved a minimum overall 3.0 GPA, students select a committee of at least three members of the graduate faculty and schedule a Portfolio and Project Proposal Review. Students must pass the review before they can begin their culminating projects. Guidelines are listed in the Dance Graduate Handbook.

Dance, M.F.A.

The M.F.A. in Dance with a concentration in Choreography is a three-year in-residence program that requires 60 credit hours to complete, culminating in a dance concert or project designed and carried out by the student with the support of faculty. The program is designed to prepare students for professional dance careers and dance in higher education. Students develop knowledge in choreographic practice and dance scholarship, literature, and somatic experience. The M.F.A. is a terminal degree commonly held by studio teaching faculty at the university level.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions. Prospective students should contact the school before submitting an application.

In addition to the application materials required by The Graduate School, applicants should submit a personal statement and samples of work directly to the school.

Admission to graduate study in dance is on the basis of competence as evidenced by the undergraduate record, demonstrated proficiency, and potential in the field of dance.

Program entry is in the fall term only; the application deadline is November 15.

Degree Program Requirements

Required: 60 credit hours

Code	Title	Credit Hours
Required Courses (34-35 credits)		
DCE 605	Choreographies and Choreographers	3
DCE 610	Dance Studies I: Theories and Methods	3
DCE 611	Dance Studies II: Research Projects	3
DCE 621	Administration of Dance	3
DCE 624	Movement for Dance (1 credit, three times)	3
DCE 630	Advanced Body Theories and Practices in Dance	4
or DCE 667	The Dancer's Body	
DCE 651	Choreographic Practice (taken 4 times for a total of 12 credits)	12
DCE 661	Dance Pedagogy in Higher Education	2
DCE 662	Practicum in Teaching Dance (taken for a total of 2 credits)	2
Electives (19-20 credits)		
Select 19-20 credits of electives, including 6 credits outside of the school		19-20
<i>Recommended Dance Electives:</i>		
DCE 631	Capoeira History and Practice	
DCE 632	Pilates: Movement Fundamentals for Dancers	
DCE 650	Dance Design Practicum	
DCE 659	Laban Movement Analysis	
DCE 665	Screen Dance	
Culminating Project (6 credits) *		
Select one option of the following:		6
<i>Option 1: For a full-length concert or equivalent artistic presentation</i>		
DCE 697	Masters Production Project	

Option 2: For significant research that directly informs a major choreographic work (or series of works) equivalent to half a concert

DCE 697	Masters Production Project
DCE 698	Field Project in Dance
<hr/>	
Total Credit Hours	60-61

* *Capstone Experience enrolled in over two semesters.*

Program Progression and Reviews

The Graduate Faculty assesses student progress in their degree program in the spring semester of their first year.

After removal of all deficiencies, three semesters of choreography practice (DCE 651 Choreographic Practice), and at the completion of at least 30 credits, students apply for M.F.A. candidacy. Admission is based on a variety of criteria, including a minimum overall 3.0 GPA. Students submit a portfolio of work to the Director of Graduate Study, usually by December 1 of their third semester, for review by the Graduate Committee. See the School of Dance M.F.A. Handbook for portfolio contents and process.

When the student has been in residence for at least two semesters and passed candidacy, he/she assembles a committee of at least three members of the graduate faculty to review their culminating concert or project proposal. Proposal guidelines are included in the School of Dance M.F.A. Handbook. Once the committee approves the proposal, the student may register for DCE 697 Masters Production Project or DCE 698 Field Project in Dance and work towards culmination of study.

Dance Education, M.A.

The M.A. in Dance Education requires 36 credit hours and is designed for dance educators. Entering students who hold the North Carolina Standard Professional I license in Dance will be eligible for advanced (M) licensure upon completion of the degree.

The degree is available through a combination of online courses at UNC Greensboro, summer study on campus, and selected courses taken on campus or online from other institutions. Designed for part-time students, the degree may be completed in 3 years.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Program entry is in the summer and students are admitted in alternate (even) years. Study begins with required summer coursework.

In addition to the application materials required by The Graduate School, the School of Dance requires additional materials. Prospective students should contact the school before submitting an application.

Admission to graduate study in dance is on the basis of competence as evidenced by the undergraduate record and demonstrated proficiency and potential in the field of dance.

Degree Program Requirements

Required: 36 credit hours

Code	Title	Credit Hours
Required Courses		
<i>With or Without Licensure:</i>		
DCE 614	New Media and Technology in Dance Education	3

DCE 646	Reflective Practice in P-12 Dance Education	3
DCE 651	Choreographic Practice ¹	3
DCE 654	P-12 Dance Education: Technique and Performance	1
DCE 655	P-12 Dance Education: Choreography	1
DCE 656	P-12 Dance Education: Critical Thinking/Literacy	2
DCE 660	Issues in Planning the Dance Curriculum	3
DCE 662	Practicum in Teaching Dance (taken twice)	1-3
DCE 667	The Dancer's Body	3
Undergraduate credits in dance technique (or equivalent in approved professional study)		
<i>Additional Requirements for Students NOT Seeking Licensure</i>		
Select 9 credits of electives in Dance Education or related area		9
DCE 698	Field Project in Dance	1-6
Electives		
DCE 698	Field Project in Dance ²	1-6
Additional Requirements for Students Seeking M Licensure		
Select one graduate course in Teacher Leadership		
Select one graduate course in Human Development and Learning		
One additional graduate course in education		
DCE 693	Portfolio in K-12 Dance Education	1-6
Graduate Course in Education		
DCE 693	Portfolio in K-12 Dance Education ³	1-6
Total Credit Hours		33-55

NOTE: All students must complete 36 credit hours for the M.A. in Dance Education. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

¹ Summer Courses.

² Approved by advisor. Students who have not completed coursework in educational psychology and diverse learners will be required to do so for elective credit.

³ Approved by advisor.

Reviews

Students are reviewed by the dance faculty when 9-15 credits of graduate coursework are complete. Faculty assesses student progress in their degree program and makes recommendations for improvement. Students receive a letter from the Director of Dance Education reporting faculty recommendations.

Once students have completed at least two-thirds of the coursework and they have achieved a minimum overall 3.0 GPA, a Portfolio and Project Proposal Review is scheduled. Students must pass this review before they can begin their culminating projects. Guidelines are listed in the Graduate Handbook.

The final review takes place at the end of the semester when DCE 693 or DCE 698 is completed.

Dance, Post-Baccalaureate Licensure

Post-Baccalaureate students with an undergraduate degree in Dance may complete additional coursework to be eligible for Standard Professional I licensure.

Note: Completion of this coursework does not guarantee licensure. Students are advised of additional requirements for documenting the evidence required for licensure.

Licensure Requirements

The following courses must be completed prior to graduate admission or as part of or in addition to the degree requirements.

- Ballet
- Contemporary Dance at the intermediate level or higher
- Jazz
- African Dance
- One additional global dance form
- Choreography
- Music for dance

Code	Title	Credit Hours
Required Courses		
DCE 359	Foundations for Dance Education	2
DCE 605	Choreographies and Choreographers	3
DCE 662	Practicum in Teaching Dance [*]	6
DCE 663	PreK-12 Dance Education Practicum [*]	6
ELC 401	Schooling in a Democratic Society	1
ERM 401	Assessment I: Accountability in Our Nation's Schools	1
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	1
TED 401 or TED 669	Child and Adolescent Development and Learning Educational Implications of Learning and Developmental Theory	1
TED 402	Student Engagement in the Classroom	1
TED 403 or TED 650	Teaching English Learners with Diverse Abilities Establishing and Maintaining a Responsive Classroom Environment	1
Total Credit Hours		23

^{*} For a total of 6 credits.

School of Music

College of Visual and Performing Arts

328 Music Building
336-334-5789
music.uncg.edu

Dennis AsKew, Director of the School of Music
Randy Kohlenberg, Director of Graduate Studies
Constance McKoy, Director of Undergraduate Studies

The School of Music was established in 1921 and became a member of the College of Visual and Performing Arts in 2016. UNC Greensboro has long been recognized as having one of the most well-respected music institutions in the United States and has been fully accredited by the National Association of Schools of Music since 1938. The School of Music offers the only comprehensive degrees in music education and music performance in the State of North Carolina, from the undergraduate level through doctoral study. The School of Music

offers Bachelor of Arts degree in Music, and Bachelor of Music degrees in Performance and Music Education. At the graduate level, the School of Music offers Master of Music degrees in music composition, music education, conducting, music performance, and music theory, and also offers Post-Baccalaureate Certificates in ethnomusicology, historical keyboard performance, jazz studies, performance studies, musicology, music composition, music education, and music theory, and a Post-Master's Certificate in music theory pedagogy. Furthermore, the School of Music offers doctoral degrees in music education, conducting, and performance. Our outstanding facilities, world-class faculty, and numerous ensemble experiences provide an environment for artistic and academic success.

Located in artistically-thriving Greensboro, Winston-Salem, and High Point, the Triad area provides a wealth of cultural and academic opportunities for our students. Students regularly attend and perform in concerts by the Greensboro Symphony Orchestra, the Greensboro Opera Company, the Winston-Salem Symphony and the Eastern Music Festival along with a myriad of musical theatre, jazz, and chamber music ensembles.

We welcome students who will strive for excellence and will contribute to the inclusiveness and diversity of our mission.

Mission Statement

We approach music as an essential part of human culture and therefore aspire to engage with the diversity of musical meanings and practices globally and locally; our student and faculty scholarship enrich understandings of music as sound, text, and activity. We engage with local, regional, national and international communities through teaching, performance, publications, lectures, conferences, symposia, festivals, and other educational and cultural programs.

Undergraduate Programs

The B.A. in music provides high-quality musical training with the versatility and breadth of a liberal arts education, it prepares students for a variety of careers and opportunities. With its emphasis on writing, speaking, and critical thinking skills, the B.A. degree is ideal for students wishing to pursue a double major in another academic field, pre-professional programs in law or medicine, study abroad, UNC Greensboro in 3, arts administration, or graduate programs in music theory, musicology, or ethnomusicology.

Undergraduate students in Music Performance pursue rigorous professional training in music along with a broad liberal arts education. Our students graduate as informed, responsible citizens with the tools to succeed and communicate effectively as musicians of the 21st century.

Undergraduate students in Music Education pursue rigorous professional training in music teacher education along with a broad liberal arts education that prepares them for positions as choral directors (principal performance area usually voice, piano, or organ), teachers of general music, or for positions as instrumental directors (principal performance area in orchestral or band instruments) in public schools. Our students graduate earning a Standard Professional 1 (SP1) North Carolina Educator's License and are prepared as informed, responsible citizens with the tools to succeed and communicate effectively as musicians and educators of the twenty-first century. Music education students acquire valuable early field teaching experience in a wide variety of P-12 school settings beginning the Freshman year and continuing throughout the degree program.

Performance Studies

Throughout the four years of undergraduate enrollment, music students will have the opportunity to study in one or more performance studies areas: keyboard, voice, strings, winds, percussion, jazz, or composition. This study will include private instruction in the major or principal performance area alongside group instruction.

Ensemble Requirements

All undergraduate Music students enrolled for two or more credit hours of music performance studies must audition for and perform in an ensemble each semester. Performance majors will participate in one or more ensembles each semester according to concentration requirements. Students will have the opportunity to express their ensemble placement preferences, but they will be assigned according to audition results and ensemble priorities. Ensemble assignments and placement will be determined by the Director of Instrumental Ensembles, Director of Choral Activities, and the Director of the Miles Davis Jazz Program, in consultation with the performance teachers and appropriate area coordinator. Each year advanced voice students may apply for roles in the performance of opera and musical theatre, which the departments of music present in cooperation with the School of Theatre.

Student Information Manual

Additional policies and regulations are found online in the Music Student Information Manual. This manual is made available to all music students after entrance requirements are met. Adherence to the contents of this publication is the responsibility of the student.

Graduate Programs

The Master of Music in Music Education leads to graduate licensure and emphasizes the acquisition of a fundamental knowledge of research techniques and scholarly writing standards. Students develop an in-depth understanding of the historical, philosophical, psychological and cultural aspects of music education.

The Master of Music in Performance programs offer conservatory-type performance training and complement this with academic offerings directly related to careers in performance. These students graduate with performance and entrepreneurial skills enabling entry into the profession or further studies.

The Master of Music in Music Theory program offers students an opportunity to deepen and refine their knowledge of music theory, and to continue developing their analytical, keyboard, and aural skills. Most M.M. students gain valuable teaching experience as graduate assistants. Students who complete this course of study are qualified to teach pre-college or community college courses, or to apply for admission to a doctoral program.

Doctor of Musical Arts students are fully prepared as artist/scholars ready to join the academy. A large faculty of outstanding artists, teachers, and researchers supports a comprehensive program of study.

The Doctor of Philosophy in Music Education prepares students for careers as public school music administrators or college-level teachers. Such development requires a comprehensive knowledge of the psychological, social and musical values in music education; theories of learning as applied to music education; historical and theoretical properties of music education; and scholarly and research techniques required for understanding and investigating problems in music and education.

Professor

Dennis Weston Askew^G

Marjorie H. Bagley^G
 Mary Ashley Barret^G
 Robert Bracey^G
 Kelly Jeanne Burke^G
 Michael J Burns^G
 Guy Capuzzo^G
 Mark Engebretson^G
 Steve Haines^G
 Donald C. Hartmann^G
 David Holley^G
 Randy B. Kohlenberg^G
 Carla LeFevre^G
 Rebecca Bowman Macleod^G
 bruce d. mcclung
 Constance L. McKoy, *Covington Distinguished Professor*^G
 David L. Nelson^G
 Abigail L Pack^G
 Scott Wyatt Rawls^G
 John C. Salmon^G
 Steven Stusek^G
 Dave J. Teachout^G
 Robert A. Wells^G
 Andrew S. Willis, *Professor and Covington Distinguished Professor*^G
 Welborn E. Young^G

Academic Professional Professor

Inara Zandman^G

Associate Professor

Aaron S. Allen^G
 Gregory D. Carroll^G
 Gavin D. Douglas^G
 James B. Douglass^G
 Tami Jones Draves^G
 Chad E. Eby^G
 Alexander B. Ezerman^G
 Kevin Matthew Gerald^G
 Elizabeth L. Keathley^G
 Fabian Lopez^G
 Brett Nolker^G
 Clara Joy O'Brien^G
 Carole J Ott^G
 Adam Ricci^G
 Kailan Ruth Rubinoff^G
 Alejandro Humberto Rutty^G
 Patricia E. Sink^G
 Anthony Taylor^G
 Joan Titus^G
 Jennifer Stewart Walter^G
 Eric J. Willie^G

Assistant Professor

David Andrew Julian Aarons^G
 Theresa Rose Bickham^G
 Erika Larsen Boysen^G
 Jonathan Caldwell^G
 Thomas W Heflin^G
 Andrew Douglas Hudson^G
 Annie Jia-Ann Jeng^G

Academic Professional Assistant Professor

Catherine Catherine Keen Hock^G

Lecturer

Craig Brown^G
 Brian Kairis Carter
 Mark Allen Dillon
 Gaurang L Doshi
 Jeffrey S Ensign^G
 Marya Jadwiga Fancey
 Lorena Guillen^G
 Andrew P Hays
 Samuel Greg Hyslop
 Garrett Lane Klein
 Steve Jon Landis
 Mike K Long
 Robin Elizabeth McLaughlin
 Karen Elaine Hovey Messina
 Rachel Irene Niketopoulos
 Ariel Cecilia Pocock
 Arlene Ruth Shrut
 Thomas E Taylor
 Andrea Mumm Trammell
 Jason Neal Wallace
 Justin Kendall Worley^G

^G Graduate-level faculty

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- Music Composition, M.M. (p. 439)
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- Music Education, Post-Baccalaureate Certificate (p. 448)
- Music Performance Study, Post-Baccalaureate Certificate (p. 449)
- Music Theory Pedagogy, Post-Master's Certificate (p. 449)
- Music Theory, Post-Baccalaureate Certificate (p. 449)
- Musicology, Post-Baccalaureate Certificate (p. 450)

Music Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- A grade of A or B in all course work used to satisfy the Honors requirements in Music.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		9
MUS 301	Analysis of Music Since 1900 *	
MUS 333	History of Western Music III *	
HSS 490	Senior Honors Project	
Select 3 credits from the following:		3
Any Contract Honors course in Music		
Any Honors course (whether or not in Music)		

* Under certain circumstances, the Music Honors Panel may permit a graduate-level course to be taken in place of the listed required courses.

Recognition

Receive a Certificate of Disciplinary Honors in Music; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Alex Ezerman at abezerman@uncg.edu for further information and guidance about Honors in Music. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Music Education Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- A grade of A or B in all course work used to satisfy the Honors requirements in Music.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6-9 credits of Honors course work in the major *		6-9
0-3 credits of Honors course work outside of Music Education		0-3

* Must be at the 300-level or above (e.g., MUE 356, MUE 357, MUE 367, MUE 461, MUE 462, MUE 463, MUE 464, MUE 467)

Recognition

Receive a Certificate of Disciplinary Honors in Music Education; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

See Alex Ezerman at abezerman@uncg.edu for further information and guidance about Honors in Music Education. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Music, B.A.

Student Learning Goals

The Bachelor of Arts degree with a major in music indicates the study of music in a liberal arts degree framework. It emphasizes a broad coverage

of music rather than heavy concentration on any single segment. Studies develop musicianship, capabilities in the use of principles and procedures that lead to an intellectual grasp of the art, and the ability to perform. It serves individuals who seek a broad program of general education rather than intense specialization.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Music Theory		16
MUS 101	Music Theory I	
MUS 102	Music Theory II	
MUS 105	Ear-Training I	
MUS 106	Ear-Training II	
MUS 201	Music Theory III	
MUS 202	Music Theory IV	
MUS 205	Ear-Training III	
MUS 206	Ear-Training IV	
Musicology		12
MUS 135	Musicology Research [†]	
MUS 332	History of Western Music II	
MUS 333	History of Western Music III [†]	
MUS 334	American Music	
or MUS 431	Selected Topics in Ethnomusicology	
Freshman Seminar		1
MUS 120	Freshman Seminar: Sound Listening	
Class Piano *		4
MUP 131	Class Piano	
MUP 132	Class Piano	
MUP 133	Class Piano	
MUP 134	Class Piano	
Technology		1
MUS 107	Technology for Musicians I	
Music Elective		2-3
Select one of the following:		
MUP 402	Entrepreneurship in the Performing Arts	
MUP 413	Piano Literature I	
MUP 423	Jazz Arranging I	
MUP 424	Jazz Arranging II	
MUP 426	Song Literature I	
MUP 460	History of Jazz	
MUS 431	Selected Topics in Ethnomusicology	
MUS 455	The Symphonic Tradition	

MUS 483	Music before 1600	
MUS 484	Music from 1600 to 1800	
MUS 485	Music of the Nineteenth Century	
MUS 486	Music of the Twentieth Century	
MUS 495	History of Opera	
MUS 439	Tonal Counterpoint	
MUS 482	Advanced Tonal Analysis	
Capstone Experience		3
MUS 492	Capstone Seminar in Music Studies	
or HSS 490	Senior Honors Project	
Applied Studies **		8

- * May be exempted with demonstrated proficiency. Not required of keyboard principals.
- ** **Applied Studies**
Performance requirements are in a single category that incorporates both studio lessons and ensemble participation. This allows students to take 8 credits of applied study in any combination as defined by the categories below.
- The list of accepted ensembles include any ensemble course with the ENS course prefix. Students may also take any of the following applied instrumental and vocal lessons on condition of acceptance through the audition process: MUP 151, MUP 152, MUP 251, MUP 252, MUP 351, MUP 352, MUP 451, MUP 452, MUP 453, MUP 454, MUP 455, MUP 456, MUP 457, MUP 458, MUP 459, MUP 460, MUP 461, MUP 462, MUP 463, MUP 464, MUP 465, MUP 466, MUP 467, MUP 468, MUP 469, MUP 470, MUP 471, MUP 472, MUP 473, MUP 474, MUP 475, MUP 476, MUP 477, MUP 478, MUP 479, MUP 480, MUP 481, MUP 482, MUP 483, MUP 484, MUP 485, MUP 486, MUP 487, MUP 488, MUP 489, MUP 490, MUP 491, MUP 492, MUP 493, MUP 494, MUP 495, MUP 496, MUP 497, MUP 498, MUP 499, MUP 500, MUP 501, MUP 502, MUP 503, MUP 504, MUP 505, MUP 506, MUP 507, MUP 508, MUP 509, MUP 510, MUP 511, MUP 512, MUP 513, MUP 514, MUP 515, MUP 516, MUP 517, MUP 518, MUP 519, MUP 520, MUP 521, MUP 522, MUP 523, MUP 524, MUP 525, MUP 526, MUP 527, MUP 528, MUP 529, MUP 530, MUP 531, MUP 532, MUP 533, MUP 534, MUP 535, MUP 536, MUP 537, MUP 538, MUP 539, MUP 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 - Students may take Music Performance courses in the following types: applied music lessons, ensembles, or class performance studies. This does not include Class Piano, which is a separate major requirement above.
 - Dance courses approved by the advisor that engage with music-making practice in a physical way may also satisfy this requirement.
 - Students may also choose from the following courses: MUP 125, MUP 180.

† Counts toward GE Marker GL/GN requirement.

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

College of Visual and Performing Arts Minor Requirement

Students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice. Any B.A. student who is pursuing a double major is exempt from this requirement. See the Minor Requirement topic on the College of Visual and Performing Arts page for more information.

Music Education, B.M. Student Learning Goals

The Bachelor of Music degree is the initial professional degree in music. Its primary emphasis is on development of the skills, concepts, and sensitivities essential to the professional life of the musician. In any of many possible roles, the professional musician must exhibit not only technical competence, but also a broad knowledge of music and music literature, the ability to integrate musical knowledge and skill, sensitivity in musical style, and an insight into the role of music in intellectual and cultural life.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level; 3.0 GPA

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Theory		16
MUS 101	Music Theory I	
MUS 102	Music Theory II	
MUS 105	Ear-Training I	
MUS 106	Ear-Training II	
MUS 201	Music Theory III	
MUS 202	Music Theory IV	
MUS 205	Ear-Training III	
MUS 206	Ear-Training IV	
Musicology		12
MUS 135	Musicology Research [†]	
MUS 332	History of Western Music II ^{† ††}	
MUS 333	History of Western Music III [†]	
Select one of the following:		
MUS 431	Selected Topics in Ethnomusicology	
MUS 334	American Music	
MUS 495	History of Opera	
MUS 484	Music from 1600 to 1800	
MUS 485	Music of the Nineteenth Century	
MUS 486	Music of the Twentieth Century	
Performance Studies [*]		12
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 300	Recital	
MUP 301	Repertoire Class ¹	

- * 12 credits of performance studies, or equivalent, culminating in a half recital or equivalent public demonstration of musicianship, after consultation and approval by advisor, Performance Studies faculty, and/or the Director of the school of Music. Keyboard students may fulfill the recital requirements by accompanying a full recital or chamber recital.
- † Counts toward GE Marker GL/GN requirement.
- †† Counts toward GEC GFA requirement.
- ¹ (0 c.h.) six semesters as co-requisite.

Concentration

Select one of the concentrations as detailed following the major requirements.

- Choral/General Music Education
- Instrumental/General Music Education

Teacher Licensure Requirements

Contact School of Education Office of Student Services at 336-334-3410

Code	Title	Credit Hours
Required		18
HEA 201	Personal Health [†]	
ELC 401	Schooling in a Democratic Society	
TED 401	Child and Adolescent Development and Learning	
TED 403	Teaching English Learners with Diverse Abilities	
MUE 465	Student Teaching in Music	
MUE 466	Student Teaching Seminar	

[†] Counts toward GEC GSB requirement.

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Choral/General Music Education Concentration Requirements

Keyboard Students

Code	Title	Credit Hours
Required		20
MUE 110	Foundational Orientation to Music Education	
MUE 111	Foundational Teaching Techniques in Music	
MUE 208	Introduction to Teaching Instrumental Music	
MUE 261	Foundations of Teaching for Musical Understanding	
MUE 356	Foundations of Teaching Vocal Music	
MUE 419	Choral Conducting II	
MUE 462	Singing Voice in Classrooms and Ensembles	
MUE 461 & MUE 464	General Music in Elementary Schools and Choral Music in the Schools	
MUP 170	Italian and Latin Diction for Singers	
MUP 171	English Diction for Singers	
MUP 319	Choral Conducting I	

Class Voice

Select 2 credits of Class Voice

Secondary Voice

Select 3 credits of Secondary Voice

Ensemble

Select 6 credits from the following:

ENS 380	Men's Glee Club
ENS 381	Women's Glee Club
ENS 387	Coro di Belle Voci
ENS 388	Chamber Singers

Eclectic Ensemble

Select 1 credit from the following:

ENS 377	Old Time Ensemble
ENS 378	Indian Music
MUP 180	Beginning Guitar
MUP 184	Beginning Ukulele

Required

MUE 090	Music Education Convocation
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Voice Students

Code	Title	Credit Hours
Required		20
MUE 110	Foundational Orientation to Music Education	
MUE 111	Foundational Teaching Techniques in Music	
MUE 208	Introduction to Teaching Instrumental Music	
MUE 261	Foundations of Teaching for Musical Understanding	
MUE 356	Foundations of Teaching Vocal Music	
MUE 419	Choral Conducting II	
MUE 461	General Music in Elementary Schools	
or MUE 464	Choral Music in the Schools	
MUE 462	Singing Voice in Classrooms and Ensembles	
MUP 170	Italian and Latin Diction for Singers	
MUP 171	English Diction for Singers	
MUP 319	Choral Conducting I	

Class Piano

Select 2 credits of the following or proficiency:

MUP 134	Class Piano
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Secondary Piano

Select 3 credits from the following:

MUP 155	Secondary Piano for Music Education
MUP 255	Secondary Piano for Music Education
MUP 355	Secondary Piano for Music Education

Required:

FRE 101	Beginning French I [†]
or GER 101	Beginning German I

Ensemble

Select 7 credits from the following:

ENS 380	Men's Glee Club
ENS 381	Women's Glee Club
ENS 387	Coro di Belle Voci
ENS 388	Chamber Singers

Eclectic Ensemble

Select 1 credit from the following:

ENS 377	Old Time Ensemble
ENS 378	Indian Music
MUP 180	Beginning Guitar
MUP 184	Beginning Ukulele

Required

MUE 090	Music Education Convocation
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[†] Counts toward GE Marker GL/GN requirement.

Instrumental/General Music Education Concentration Requirements

Code	Title	Credit Hours
Required		27
MUE 110	Foundational Orientation to Music Education	
MUE 209	Introduction to Teaching Choral Music	
MUE 261	Foundations of Teaching for Musical Understanding	
MUE 357	Marching Band Techniques	
or MUE 463	Advanced String Methods	
MUE 363	Teaching Strings Laboratory	
MUE 364	Teaching Brass Laboratory	
MUE 365	Teaching Woodwinds Laboratory	
MUE 366	Teaching Percussion Laboratory	
MUE 367	Foundations of Teaching Instrumental Music	
MUE 368	Instrument Repair	
MUE 461	General Music in Elementary Schools	
or MUE 467	Instrumental Music in the Schools	
MUE 472	Instrumental Conducting II	
MUP 372	Instrumental Conducting I	
Select one option of the following:		2
<i>Wind, Percussion, or Bowed String Instrumental students:</i>		
MUP 134	Class Piano (or proficiency)	
<i>Keyboard students:</i>		
<i>Select 2 credits of secondary study of Wind, Percussion, or Bowed String Instrument</i>		
Large Ensemble		
<i>Select 6 credits of the following:</i>		
ENS 390	Sinfonia	
ENS 391	University Symphony Orchestra	
ENS 392	University Band	
ENS 393	University Wind Ensemble	
ENS 394	Symphonic Band	
<i>Qualified:</i>		
ENS 395	Jazz Ensemble I *	
ENS 396	Jazz Ensemble II *	
Eclectic Ensemble		
<i>Select 1 credit of the following:</i>		
ENS 377	Old Time Ensemble	
ENS 378	Indian Music	
ENS 380	Men's Glee Club	
ENS 381	Women's Glee Club	
MUP 180	Beginning Guitar	
MUP 184	Beginning Ukulele	

* The courses listed are for up to 2 credits by audition and with permission of the performance studies instructor.

Performance, B.M. Requirements

All concentrations in the Music Performance Major require courses in the following areas:

1. General Education Core Requirements
2. General Education Marker Requirements
3. Major Concentration Requirements
4. Electives (excepting Voice)

Performance majors must maintain a cumulative GPA of 2.50 or higher in Music courses.

Student Learning Goals

Undergraduate students in Music Performance pursue rigorous professional training in music along with a broad liberal arts education. Our students graduate as informed, responsible citizens, with the tools to succeed and communicate effectively as musicians of the 21st Century.

Graduating Students in the B.M. Music Performance Program will:

- communicate clear musical intentions and understanding;
- demonstrate sufficient understanding of and capability with musical forms, processes, and structures in performance or creative applications according to the requisites of their specializations;
- demonstrate basic understanding of historical awareness in performance or creative applications according to the requisites of their specializations;
- demonstrate sufficient technical ability in performance or creative applications according to the requisites of their specializations; and,
- demonstrate entrepreneurial skills according to the requisites of their specializations.

Overall Requirements

- 120 credit hours

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Brass and Percussion
- Composition
- Jazz
- Keyboard
- Strings
- Voice
- Woodwinds

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Brass and Percussion Concentration Requirements

- 120 credit hours

Code	Title	Credit Hours
Principal Performance Area		20
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
Ensemble		8
Select 8 credits by audition placement		
Chamber Music		8
Select 8 credits of the following:		
ENS 347	Casella Sinfonietta	
ENS 348	Chamber Music	
ENS 366	Trumpet Ensemble	
ENS 367	Horn Ensemble	
ENS 368	Trombone Ensemble	
ENS 369	Tuba/Euphonium Ensemble	
ENS 370	Percussion Ensemble	
ENS 376	Period Music Ensembles	
ENS 377	Old Time Ensemble	
Recitals		
MUP 300	Recital	
MUP 400	Recital	
Musicianship Skills and Analysis		16
MUS 101	Music Theory I	
MUS 105	Ear-Training I	
MUS 102	Music Theory II	
MUS 106	Ear-Training II	
MUS 201	Music Theory III	
MUS 202	Music Theory IV	
MUS 205	Ear-Training III	
MUS 206	Ear-Training IV	
History and Repertory *		12
MUS 135	Musicology Research [†]	
MUS 332	History of Western Music II ^{††}	
MUS 333	History of Western Music III	
MUS 334	American Music ^{†††}	
Music Support Courses		9
Select 9 credits ^{**}		
Music Technology		1
MUS 107	Technology for Musicians I	
Keyboard		4

MUP 134	Class Piano ¹	
Conducting		1
Select 1 credit		
Entrepreneurship		3
MUP 402	Entrepreneurship in the Performing Arts	
Repertoire Class		8
MUP 301	Repertoire Class (taken for eight semesters)	
* 3 credits in concentration, 9 credits toward GEC.		
** May not be Performance or Ensemble.		
¹ Course work through the course listed or proficiency.		
[†] Counts toward GEC GPR requirement.		
^{††} Counts toward GEC GFA requirement.		
^{†††} Counts toward GEC GHP requirement.		

Composition Concentration Requirements

- 120 credit hours

Code	Title	Credit Hours
Composition Study		24
MUP 115	Composition Skills *	
MUP 205	Composition Studies	
MUP 206	Composition Studies	
MUP 305	Composition Studies	
MUP 306	Composition Studies	
MUP 405	Composition Studies	
MUP 406	Composition Studies	
Principal Performance Area		10
Select 10 credits		
Ensemble		8
Select 8 credits		
Digital Music Composition		3
MUP 344	Digital Music Composition I	
	or MUP 345 Digital Music Composition II	
Recitals		
MUP 300	Recital	
Musicianship Skills and Analysis		16
MUS 101	Music Theory I	
MUS 102	Music Theory II	
MUS 105	Ear-Training I	
MUS 106	Ear-Training II	
MUS 201	Music Theory III	
MUS 202	Music Theory IV	
MUS 205	Ear-Training III	
MUS 206	Ear-Training IV	
History and Repertory ^{**}		12
MUS 135	Musicology Research [†]	
MUS 332	History of Western Music II ^{††}	
MUS 333	History of Western Music III	
MUS 334	American Music ^{†††}	
Keyboard		4
MUP 134	Class Piano ¹	

Orchestration	3
MUP 455 Orchestration	
Entrepreneurship	3
MUP 402 Entrepreneurship in the Performing Arts	
Conducting	2-3
2-3 credits from the courses listed below	
MUP 372 Instrumental Conducting I or MUP 319 Choral Conducting I	
MUP 319 Choral Conducting I	
MUE 472 Instrumental Conducting II	
MUE 419 Choral Conducting II	
Composition Seminar	8
MUP 307 Composition Seminar ¹	
Music Support Courses	9
9 credits required as listed below ²	
MUS 301 Analysis of Music Since 1900	
MUS 439 Tonal Counterpoint	
MUS 486 Music of the Twentieth Century	

* Taken for two semesters

** 3 credits in concentration, 9 credits toward GEC

¹ Taken for eight semesters

² 4 credits of coursework through MUP 134 or proficiency. Not required of keyboard principals.

[†] Counts toward GEC GPR requirement.

^{††} Counts toward GEC GFA requirement.

^{†††} Counts toward GEC GHP requirement.

Jazz Concentration Requirements

- 120 credit hours

Code	Title	Credit Hours
Principal Performance Area		22
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
Ensemble or Chamber Music		12
Select 12 credits by placement audition from the following: *		
ENS 348	Chamber Music	
ENS 395	Jazz Ensemble I	
ENS 396	Jazz Ensemble II	
Jazz Pedagogy		2
MUP 409	Jazz Pedagogy	
Recitals		
MUP 300	Recital	
MUP 400	Recital	
Musicianship Skills and Analysis		15
MUS 101	Music Theory I	

MUS 105	Ear-Training I	
MUS 102	Music Theory II	
MUS 106	Ear-Training II	
MUS 201	Music Theory III	
MUS 205	Ear-Training III	
MUS 202	Music Theory IV	
History and Repertory **		9
MUS 135	Musicology Research [†]	
MUS 332	History of Western Music II ^{††}	
MUS 333	History of Western Music III	
Jazz Listening		2
MUP 104	Introduction to Jazz Listening	
Conducting		1
MUP 372	Instrumental Conducting I	
Jazz Theory		3
MUP 204	Principles of Jazz Theory	
Jazz Improvisation		4
MUP 321	Jazz Improvisation I	
MUP 322	Jazz Improvisation II	
Jazz Arranging		4
MUP 423	Jazz Arranging I	
MUP 424	Jazz Arranging II	
Jazz History		3
MUP 460	History of Jazz	
Entrepreneurship		3
MUP 402	Entrepreneurship in the Performing Arts	
Music Technology		1
MUS 107	Technology for Musicians I	
Repertoire Class		8
MUP 301	Repertoire Class (taken for 8 semesters)	

* Placement by audition in one, two, or all three of the courses listed.

** 3 credits in concentration, 9 credits toward GEC

[†] Counts toward GEC GPR requirement.

^{††} Counts toward GEC GFA requirement.

Keyboard Concentration Requirements

- 120 credit hours

Code	Title	Credit Hours
Principal Performance Area		20
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
Ensemble		4
ENS 349	Keyboard Accompanying (or placement by audition)	
Chamber Music		4

Select 4 credits of the following:

ENS 347	Casella Sinfonietta
ENS 348	Chamber Music
ENS 376	Period Music Ensembles
ENS 377	Old Time Ensemble

Accompanying 6

Select 6 credits of the following:

MUP 284	Fundamentals of Keyboard Accompanying I
MUP 285	Fundamentals of Keyboard Accompanying II
ENS 349	Keyboard Accompanying

Pedagogy 3

MUP 412	Piano Pedagogy I
or MUP 425	Organ Pedagogy

Recitals

MUP 300	Recital
MUP 400	Recital

Musicianship Skills and Analysis 16

MUS 101	Music Theory I
MUS 102	Music Theory II
MUS 105	Ear-Training I
MUS 106	Ear-Training II
MUS 201	Music Theory III
MUS 202	Music Theory IV
MUS 205	Ear-Training III
MUS 206	Ear-Training IV

History and Repertory * 12

MUS 135	Musicology Research [†]
MUS 332	History of Western Music II ^{††}
MUS 333	History of Western Music III
MUS 334	American Music ^{†††}

Music Support Courses 9

Select 9 credits ^{**}

Conducting 1

MUP 319	Choral Conducting I
or MUP 372	Instrumental Conducting I

Piano Literature 3

MUP 413	Piano Literature I
or MUP 414	Piano Literature II

Keyboard Harmony 2

MUP 302	Keyboard Harmony I
MUP 303	(COURSE INACTIVE)

Orchestration/Counterpoint 3

MUP 455	Orchestration
or MUP 439	Tonal Counterpoint

Entrepreneurship 3

MUP 402	Entrepreneurship in the Performing Arts
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Repertoire Class 8

MUP 301	Repertoire Class (taken for 8 semesters)
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* 3 credits in concentration, 9 credits toward GEC.

** May not be Performance or Ensemble.

† Counts toward GEC GPR requirement.

†† Counts toward GEC GFA requirement.

††† Counts toward GEC GHP requirement.

Strings Concentration Requirements

• 120 credit hours

Code	Title	Credit Hours
Principal Performance Area		20
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
Ensemble		8
Select 8 credits by audition placement		
Chamber Music		6
Select 6 credits from the following:		
ENS 330	Violin Ensemble	
ENS 331	Viola Ensemble	
ENS 334	Camerata	
ENS 347	Casella Sinfonietta	
ENS 348	Chamber Music	
ENS 376	Period Music Ensembles	
ENS 377	Old Time Ensemble	
Recitals		
MUP 300	Recital	
MUP 400	Recital	
Musicianship Skills and Analysis		16
MUS 101	Music Theory I	
MUS 105	Ear-Training I	
MUS 102	Music Theory II	
MUS 106	Ear-Training II	
MUS 201	Music Theory III	
MUS 205	Ear-Training III	
MUS 202	Music Theory IV	
MUS 206	Ear-Training IV	
History and Repertory *		12
MUS 135	Musicology Research [†]	
MUS 332	History of Western Music II ^{††}	
MUS 333	History of Western Music III	
MUS 334	American Music ^{†††}	
Music Support Courses		9
Select 9 credits ^{**}		
Keyboard		4
MUP 134	Class Piano ¹	
Conducting		1
MUP 372	Instrumental Conducting I	
Entrepreneurship		3
MUP 402	Entrepreneurship in the Performing Arts	

Music Technology	1
MUS 107 Technology for Musicians I	
Repertoire Class	8
MUP 301 Repertoire Class ²	

* 3 credits in concentration, 9 credits toward GEC.

** May not be Performance or Ensemble.

¹ Course work through the course listed or proficiency.

² Taken for eight semesters

† Counts toward GEC GPR requirement.

†† Counts toward GEC GFA requirement.

††† Counts toward GEC GHP requirement.

Voice Concentration Requirements

- 120 credit hours

Code	Title	Credit Hours
Principal Performance Area		20
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
Ensemble		8
Select 8 credits by placement audition		
Diction		4
MUP 170	Italian and Latin Diction for Singers	
MUP 171	English Diction for Singers	
MUP 270	French Diction for Singers	
MUP 271	German Diction for Singers	
Voice Pedagogy		3
MUP 428	Principles of Vocal Pedagogy *	
Recitals		
MUP 300	Recital	
MUP 400	Recital	
Languages		16
10 credits as listed below		
FRE 101	Beginning French I	
GER 101	Beginning German I	
MUP 498	Italian for Singers	
Musicianship Skills and Analysis		16
MUS 101	Music Theory I	
MUS 102	Music Theory II	
MUS 105	Ear-Training I	
MUS 106	Ear-Training II	
MUS 201	Music Theory III	
MUS 202	Music Theory IV	
MUS 205	Ear-Training III	
MUS 206	Ear-Training IV	

History and Repertory **	12
MUS 135 Musicology Research [†]	
MUS 332 History of Western Music II ^{††}	
MUS 333 History of Western Music III	
MUS 334 American Music ^{†††}	

Opera Techniques	2
MUP 375 Opera Performance Techniques	

Song Literature	3
MUP 426 Song Literature I	
or MUP 427 Song Literature II	

Keyboard	8
Select 8 credits of the following:	
MUP 134 Class Piano ¹	
MUP 253 Performance Studies	

Conducting	1
MUP 319 Choral Conducting I	

Entrepreneurship	3
MUP 402 Entrepreneurship in the Performing Arts	

Music Technology	1
MUS 107 Technology for Musicians I	

Music Performance Elective	1
Select 2 credits	

Repertoire Class	8
MUP 301 Repertoire Class (taken for 8 semesters)	

* Pending verification.

** 3 credits in concentration, 9 credits toward GEC.

¹ Maximum 8 credit hours: 4 credits of secondary piano beyond MUP 134 or proficiency. If proficiency is achieved prior to MUP 134, Secondary Piano Studies may begin for a total of four semesters, which would include MUP 153, MUP 253, and two semesters of MUP 353, one credit each semester.

† Counts toward GEC GPR requirement.

†† Counts toward GEC GFA requirement.

††† Counts toward GEC GHP requirement.

Woodwinds Concentration Requirements

- 120 credit hours

Code	Title	Credit Hours
Principal Performance Area		20
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
Ensemble		8
Select 8 credits by placement audition		
Chamber Music		4
Select 4 credits of the following:		

ENS 347	Casella Sinfonietta	
ENS 348	Chamber Music	
ENS 320	Flute Ensemble	
ENS 324	Saxophone Ensemble	
ENS 376	Period Music Ensembles	
ENS 377	Old Time Ensemble	
Recitals		
MUP 300	Recital	
MUP 400	Recital	
Musicianship Skills and Analysis		16
MUS 101	Music Theory I	
MUS 102	Music Theory II	
MUS 105	Ear-Training I	
MUS 106	Ear-Training II	
MUS 201	Music Theory III	
MUS 202	Music Theory IV	
MUS 205	Ear-Training III	
MUS 206	Ear-Training IV	
History and Repertory *		12
MUS 135	Musicology Research [†]	
MUS 332	History of Western Music II ^{††}	
MUS 333	History of Western Music III	
MUS 334	American Music ^{†††}	
Music Support Courses		9
Select 9 credits **		
Keyboard		4
MUP 134	Class Piano ¹	
Conducting		1
MUP 372	Instrumental Conducting I	
Entrepreneurship		3
MUP 402	Entrepreneurship in the Performing Arts	
Music Technology		1
MUS 107	Technology for Musicians I	
Repertoire Class		8
MUP 301	Repertoire Class (taken for 8 semesters)	

* 3 credits in concentration, 9 credits toward GEC

** May not be Performance or Ensemble.

¹ Course work through the level of the course listed or proficiency.

[†] Counts toward GEC GPR requirement.

^{††} Counts toward GEC GFA requirement.

^{†††} Counts toward GEC GHP requirement.

Music Undergraduate Minor

The 18 credit hours Music minor affords students majoring in other fields the opportunity to enrich their degree programs with applied and scholarly engagement with music.

Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor.

Code	Title	Credit Hours
Advanced MUS Course		
Select 3 credits of one MUS course at the 300 level or higher *		3
Additional Music Courses		
Select 15 credits of additional music courses with one of the following prefixes:		15
MUE		
MUS		
MUP		
ENS		
VPA		

* May not use MUS 329 or MUS 343 to fulfill this requirement.

Music Composition, M.M.

The M.M. in Composition is a two-year degree, which requires 33 credit hours. At least one half the course work credited toward the degree must be in 600-level courses or above. A diagnostic examination is administered prior to the first semester of enrollment. In addition to private composition study, students take courses in orchestration, electronic music, counterpoint, advanced theory and history, and electives.

Assistantships are available, as are a limited number of in-state and out-of-state tuition waivers. Graduate Assistants in Composition are routinely assigned to teach Composition Skills or Making Music with Computers, assist in activities of the Composition Studios, help maintain and organize the Electronic Music Studios, give tech support for public events, and teach or assist with Music Theory.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement. Samples of work are required and should be forwarded directly to the Music office. Some applicants may need to submit a resume/vita and/or participate in an interview or audition. Contact the Music office for more information.

Degree Program Requirements

Required: 33 credit hours

Enrollment in MUP 651 Performance Studies or MUP 699 Thesis is required during the semester of the degree recital.

A written Comprehensive Exam is required for graduation.

A thesis is required and at least one recital is required. (Capstone Experience).

Code	Title	Credit Hours
Courses in the Major (18 credits)		
MUP 600	Recital	0
MUP 644	Digital Music I	3
or MUP 645	Digital Music Composition II	
MUP 651	Performance Studies ¹	9
MUP 655	Orchestration	3

MUP 699	Thesis	3
Courses in Support of the Major (12 credits)		
MUS 639	Tonal Counterpoint	3
Select 9 credits from the following:		9
3-6 credits of Musicology and Ethnomusicology ²		
3-6 credits of Music Theory		
Electives (3 credits)		
Select 3 credits ³		3
Total Credit Hours		33

¹ Enrollment in at least 2 semesters of MUP 651 is required before the semester of the degree recital.

² Must include one course focusing on music of the past 100 years.

³ Must be Music electives. Upon approval of the Composition Faculty and the Director of Graduate Study in Music Performance, a course in digital media (e.g., film, video) offered in other departments such as Art or Media Studies may be used as an elective.

Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: vpa.uncg.edu/music/music-current-students/graduate/

Music Education, M.M.

The M.M. in Music Education requires 32 credit hours. At least one half the coursework credited toward the degree must be in 600-level courses or above. Diagnostic examinations in music history and music theory are administered prior to the first semester of enrollment. Students complete their M.M. Portfolio either during the semester prior to the final semester or during the final semester. The portfolio demonstrates advanced competencies of teaching music.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Degree Program Requirements

Required: 32 credit hours

Code	Title	Credit Hours
Music Research and Music Studies Core (6 credits)		
MUE 601	Research Methods in Music	3
Complete one 3 credit hour course in Ethnomusicology, Music Theory, or Musicology; select MUS courses from the MUS 600-700 levels of study		
Professional Music Education Core (15 credits)		
MUE 639	Advanced Conducting	3
MUE 650	Seminar in Music Education	3
Select 9 credits from the following courses:		9
MUE 605	The Measurement of Musical Behavior	
MUE 633	Music for Exceptional Children	
MUE 634	Contemporary Trends in Music Education	
MUE 653	Music Supervision	
Electives (9 credits)		

A minimum of two 3 credit hour courses are required; a maximum of 3 credits of music performance study in music ensembles (i.e., ENS 6XX) or private music lessons (e.g., MUP 653) may be completed for the remaining 3 credit hours of electives.

Portfolio (Capstone Experience) (2 credits)		
MUE 692A	Portfolio Development in Music Education	1
MUE 692B	Portfolio Development in Music Education	1
Total Credit Hours		32

Music Theory, M.M.

The M.M. in Music Theory requires 34 credit hours. Thesis and non-thesis options are offered. At least one half the coursework credited toward the degree must be in 600-level courses or above. A diagnostic examination is administered prior to the first semester of enrollment. The capstone experience is a required written comprehensive examination in the final semester and a thesis or document.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must provide:

- A statement of intent that outlines their background, interest in music theory, and career goals
- A scholarly paper on music, preferably one with an analytical focus
- Applicants whose materials pass an initial screening by the music theory faculty will be invited for an interview that tests sight-reading, dictation, analysis, and keyboard skills. A diagnostic written exam is administered prior to the interview.

Degree Program Requirements

Required: 34 credit hours

Code	Title	Credit Hours
Core (6 credits)		
MUS 602	Seminar in Music Research and Writing	3
MUS 706	Seminar in Music History	3
Performance (2 credits)		
Select 2 credits of PRF-type and/or ENS courses at the 600 level		2
Electives (3 credits)		
Recommended: *		
MUE 618	Psychology of Music	3
Select one option from the following: (23 credits) **		23
<i>Thesis Option</i>		
Major Courses:		
MUS 644	Pedagogy of Music Theory	
MUS 660	Theory and Analysis of Rhythm	
MUS 662	Schenkerian Analysis	
MUS 664	Post-Tonal Theory	
MUS 690	Current and Historical Trends in Music Theory	
MUS 707	Seminar in Musical Analysis	
Thesis:		
MUS 699	Thesis (5 credits required)	
<i>Non-Thesis Option</i>		

Major Courses:

MUS 639	Tonal Counterpoint
or MUS 692	Advanced Tonal Analysis
MUS 644	Pedagogy of Music Theory
MUS 660	Theory and Analysis of Rhythm
MUS 662	Schenkerian Analysis
MUS 664	Post-Tonal Theory
MUS 690	Current and Historical Trends in Music Theory
MUS 707	Seminar in Musical Analysis

Document:

MUS 698	Document in Music Theory (2 credits required)
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Total Credit Hours 34

* Electives should be chosen in consultation with the major advisor.

** For both the thesis and non-thesis options, a comprehensive examination with both written and oral components is required. The thesis or document is to be presented in a public forum.

Performance, M.M.

The M.M. in Performance requires 32 credit hours for all concentrations except collaborative piano, which requires 33 credit hours; organ, which requires 34 credit hours; and vocal pedagogy, which requires 35 credit hours. At least one half the coursework credited toward the degree must be in the 600-level courses or above. A diagnostic examination is administered prior to the first semester of enrollment.

Assistantships are available, as are a limited number of in-state and/or out-of-state tuition waivers. Graduate Assistants in Performance are routinely assigned to teach performance studies, perform in ensembles, teach required classes depending on experience, and assist with other support duties in the School.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions. In addition, all students must present a performance audition and/or interview (see Auditions).

Auditions

Performance auditions/interviews are required for acceptance as a music major and for approval of the area of study. M.M. Auditions should be arranged in advance through the graduate music office, and are to be scheduled on regularly scheduled audition dates. Visit: <https://vpa.uncg.edu/music/apply/> for more information.

Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: <https://vpa.uncg.edu/music/music-current-students/graduate/>.

Degree Program Requirements

For all concentrations in the M.M. in Performance, enrollment in two semesters of MUP 651 Performance Studies is required before the degree recital may be scheduled. Enrollment in MUP 651 is required during the semester of the degree recital. A Final Comprehensive Evaluation (written and/or oral examination, comprehensive written document, or other format appropriate to and determined by concentration) is required for graduation. At least one recital is required for all concentrations. (Capstone Experience)

Additional degree requirements are listed by Concentration.

Ensemble Requirements

Masters students who are registered for 2 or more credits of music performance studies must audition for and perform in an ensemble each semester, as required by concentration. Students will have the opportunity to express their ensemble placement preferences, but they will be assigned according to audition results and ensemble priorities. Ensemble assignments and placement will be determined by the Director of Bands, Director of Orchestras, Director of Choral Programs and the Director of the Miles Davis Jazz Program in the consultation with the performance teachers and appropriate Area Coordinator.

Degree Requirements by Concentration

Required: 32-35 credit hours

Collaborative Piano Concentration

Required: 33 credit hours

Nine credits of language are required for collaborative piano majors, one semester each of French, German, and Italian. Also required is the equivalent of MUP 170 Italian and Latin Diction for Singers. Language and diction credits must be credited satisfactorily on a college transcript. If not, this requirement may be resolved with appropriate enrollment while working on the current degree; however, these credits will not count toward the degree.

Code	Title	Credit Hours
Courses in the Major (17 credits)		
MUP 651	Performance Studies	12
MUP 653	Performance Studies (Secondary) (harpsichord or fortepiano)	1
ENS 648	Chamber Music (four semesters)	4
MUP 600	Recital *	0
Courses in Support of the Major (12 credits)		
MUE 601	Research Methods in Music	3
or MUS 602	Seminar in Music Research and Writing	
Select one course (3 credits) from 600- or 700-level MUS music theory or music history courses		3
Select two (6 credits) of the following:		6
MUS 665	History of Opera	
MUP 626	Song Literature I	
or MUP 634	Song Literature II	
MUP 620	Seminar in Piano	
MUP 697	Directed Study in Music Performance	
Electives (4 credits)		
Select 4 credits		4
Total Credit Hours		33

* Note: two accompanying recitals are required. Recital repertoire should include representative selections from vocal, string, and wind literature. At least one work may be played on either the harpsichord or fortepiano.

Conducting (Choral) Concentration

Required: 32 credit hours

One semester of undergraduate conducting, two semesters of undergraduate diction including study of German and/or French diction, at least two semesters of undergraduate vocal study, and a history of participation in collegiate choral ensembles during the undergraduate degree must be satisfactorily credited on a college transcript. Deficiency in conducting study, voice study, and diction credits may be resolved with appropriate enrollment while working on the current degree; however, these credits will not count toward the degree.

Code	Title	Credit Hours
Courses in the Major (17 credits)		
<i>Performance Studies</i>		
MUP 651	Performance Studies	8
<i>Ensemble</i>		
Select 4 credits from the following: *		4
ENS 680	Men's Glee Club	
ENS 681	Women's Glee Club	
ENS 682	University Chorale	
ENS 688	Chamber Singers	
<i>Pedagogy</i>		
MUP 627	Principles of Vocal Pedagogy	3
<i>Secondary Keyboard or Vocal Performance Study</i>		
MUP 653	Performance Studies (Secondary)	2
<i>Recital</i>		
MUP 600	Recital	0
Courses in Support of the Major (12 credits)		
MUE 601	Research Methods in Music	3
or MUS 602	Seminar in Music Research and Writing	
MUP 622	Seminar in Choral Literature	6
Select one course (3 credits) from 600- or 700-level MUS music theory courses		3
Electives (3 credits)		
Select 3 credits		3
Total Credit Hours		32

* By audition placement.

Conducting (Instrumental) Concentration

Required: 32 credit hours

Code	Title	Credit Hours
Courses in the Major (15 credits)		
<i>Performance Studies</i>		
MUP 651	Performance Studies	12
<i>Ensemble</i>		
Select 2 credits, placement by audition		2
<i>Recital</i>		
MUP 600	Recital	1
Courses in Support of the Major (12 credits)		
Select 9 credits of any graduate music courses not in the major (non-performance, non-ensemble)		9
Select one of the following: *		3
MUE 601	Research Methods in Music	

MUS 602	Seminar in Music Research and Writing
MUP 683	Instrumental Literature and Performance Practice
Electives (5 credits)	
Select 5 credits	
Total Credit Hours	

* Note: MUE 601 Research Methods in Music or MUS 602 Seminar in Music Research and Writing are recommended.

Early Keyboard Instruments Concentration

Required: 32 credit hours

Note: MUP 302 Keyboard Harmony I or MUP 303 (COURSE INACTIVE) or proficiency required (no graduate credit)

Code	Title	Credit Hours
Courses in the Major (16 credits)		
<i>Performance (Harpsichord or Fortepiano)</i>		
MUP 651	Performance Studies	12
<i>Secondary Performance Studies</i>		
MUP 653	Performance Studies (Secondary) *	2
<i>Ensemble</i>		
ENS 648	Chamber Music	2
<i>Recital</i>		
MUP 600	Recital	0
Courses in Support of the Major (12 credits)		
MUE 601	Research Methods in Music	3
or MUS 602	Seminar in Music Research and Writing	
MUP 613	Piano Literature I	3
MUS 706	Seminar in Music History	3
Select one course (3 credits) from 600- or 700-level MUS music theory courses		3
Music Electives (4 credits)		
Select 4 credits		4
Total Credit Hours		32

* Second keyboard instrument - organ, fortepiano, harpsichord, clavichord.

Organ Concentration

Required: 34 credit hours

Code	Title	Credit Hours
Courses in the Major (17 credits)		
<i>Performance</i>		
MUP 651	Performance Studies	12
<i>Pedagogy</i>		
MUP 638	Organ Pedagogy	3
<i>Ensemble</i>		
Select 2 credits		2
<i>Recital</i>		
MUP 600	Recital	0
Courses in Support of the Major (17 credits)		
MUS 602	Seminar in Music Research and Writing	3
<i>Theory</i>		

Select two courses (6 credits) from 600- or 700-level MUS music theory courses	6
<i>Area Literature</i>	
MUP 613 Piano Literature I	3
MUP 668 (COURSE INACTIVE)	3
<i>Choral Conducting</i>	
MUP 629 Choral Laboratory III	2
Total Credit Hours	34

* If tonal counterpoint is credited on the undergraduate transcript with a grade of B or better from NASM-accredited school, the may instead take a non-restricted music elective.

Piano Concentration

Required: 32 credit hours

Code	Title	Credit Hours
Courses in the Major (14 credits)		
<i>Performance</i>		
MUP 651	Performance Studies	12
<i>Ensemble</i>		
Select 2 credits *		2
<i>Recital</i>		
MUP 600	Recital	0
Courses in Support of the Major (12 credits)		
MUE 601	Research Methods in Music	3
or MUS 602	Seminar in Music Research and Writing	
Select one of the following:		3
MUP 613	Piano Literature I	
MUP 614	Piano Literature II	
MUP 620	Seminar in Piano	
Select one of the following:		3
MUS 665	History of Opera	
MUS 685	Music of the Nineteenth Century	
MUS 706	Seminar in Music History	
Select one of the following:		3
MUS 639	Tonal Counterpoint	
MUS 644	Pedagogy of Music Theory	
MUS 660	Theory and Analysis of Rhythm	
MUS 662	Schenkerian Analysis	
MUS 664	Post-Tonal Theory	
MUS 692	Advanced Tonal Analysis	
MUS 707	Seminar in Musical Analysis	
Music Electives (6 credits)		
Select 6 credits		6
Total Credit Hours		32

* Recommended: ENS 648 Chamber Music.

Piano Pedagogy Concentration

Required: 32 credit hours

Note: MUP 302 Keyboard Harmony I or MUP 303 (COURSE INACTIVE) or proficiency required (no graduate credit).

Code	Title	Credit Hours
Courses in the Major (20 credits)		
<i>Performance</i>		
MUP 651	Performance Studies	12
<i>Pedagogy</i>		
MUP 612	Piano Pedagogy I	3
Select one of the following:		3
MUP 609	Jazz Pedagogy	
MUP 620	Seminar in Piano	
MUE 632	Methods and Materials of Music Reading Instruction	
MUS 644	Pedagogy of Music Theory	
MUE 645	Teaching Elementary Music: Theory and Practice	
<i>Lecture/Demonstration and Paper</i>		
MUP 610	Lecture-Demonstration	2
Courses in Support of the Major (12 credits)		
MUE 601	Research Methods in Music	3
or MUS 602	Seminar in Music Research and Writing	
MUP 613	Piano Literature I	3
MUP 614	Piano Literature II	3
Select 3 credits from any graduate music courses not in the major (non-performance, non-ensemble)		3
Total Credit Hours		32

String, Wind, Percussion Concentration

Required: 32 credit hours

Code	Title	Credit Hours
Courses in the Major (17 credits)		
<i>Performance</i>		
MUP 651	Performance Studies	12
<i>Ensemble</i>		
Select 4 credits (by audition placement)		4
<i>Recital</i>		
MUP 600	Recital *	1
Courses in Support of the Major (12 credits)		
Select 9 credits from any graduate music courses not in the major (non performance, non ensemble)		9
Select one of the following: **		3
MUE 601	Research Methods in Music	
MUS 602	Seminar in Music Research and Writing	
MUP 683	Instrumental Literature and Performance Practice	
Electives (3 credits)		
Select 3 credits		3
Total Credit Hours		32

* Note: Students may perform one additional recital to fulfill elective credits.

** Note: MUE 601 Research Methods in Music or MUS 602 Seminar in Music Research and Writing are recommended.

Vocal Pedagogy Concentration

Required: 35 credit hours

Twelve (12) credits of language are required for voice majors—one semester each of French, German, and Italian plus a second semester of one of these three languages. These credits must be satisfactorily credited on a college transcript. In addition to diagnostic exams in history and theory required of all graduate students, voice students will be assessed on competency in written International Phonetic Alphabet and spoken pronunciation of Italian, German, French, and English. Deficiencies may be resolved with appropriate enrollment in undergraduate courses while working on the current degree; however, these credits will not count toward the degree. For graduate credit, students may resolve the deficiency by enrolling in MUP 730 (COURSE INACTIVE). Consult the Graduate Handbook in Music Performance for further information.

Code	Title	Credit Hours
Courses in the Major (19 credits)		
<i>Performance</i>		
MUP 651	Performance Studies	8
MUP 640	Vocal Coaching	1
<i>Pedagogy</i>		
MUP 627	Principles of Vocal Pedagogy	3
MUP 728	Advanced Vocal Pedagogy	3
<i>Ensemble</i>		
Select 2 credits (by audition placement) from the following:		2
ENS 680	Men's Glee Club	
ENS 681	Women's Glee Club	
ENS 682	University Chorale	
ENS 688	Chamber Singers	
<i>Lecture/Demonstration and Paper</i>		
MUP 610	Lecture-Demonstration	2
<i>Recital</i>		
MUP 600	Recital	0
Courses in Support of the Major (12 credits)		
MUE 601	Research Methods in Music	3
or MUS 602	Seminar in Music Research and Writing	
MUP 626	Song Literature I	3
or MUP 634	Song Literature II	
Select one course (3 credits) from 600- or 700-level MUS music theory courses		3
Select one course (3 credits) from the following:		3
600-level Music History course		
600-level Music Literature course		
Music Electives (4 credits)		
Select 4 credits		4
Total Credit Hours		35

Voice Concentration

Required: 32 credit hours

Twelve (12) credits of language are required for voice majors—one semester each of French, German, and Italian plus a second semester of one of these three languages. These credits must be satisfactorily

credited on a college transcript. In addition to diagnostic exams in history and theory required of all graduate students, voice students will be assessed on competency in written International Phonetic Alphabet and spoken pronunciation of Italian, German, French, and English. Deficiencies may be resolved with appropriate enrollment in undergraduate courses while working on the current degree; however, these credits will not count toward the degree. For graduate credit, students may resolve the deficiency by enrolling in MUP 730 (COURSE INACTIVE). Consult the Graduate Handbook in Music Performance for further information.

Code	Title	Credit Hours
Courses in the Major (16 credits)		
<i>Performance</i>		
MUP 651	Performance Studies	8
MUP 640	Vocal Coaching	1
MUP 675	Opera Performance Techniques	2
<i>Pedagogy</i>		
MUP 627	Principles of Vocal Pedagogy	3
<i>Ensemble</i>		
Select 2 credits (by audition placement) from the following:		2
ENS 680	Men's Glee Club	
ENS 681	Women's Glee Club	
ENS 682	University Chorale	
ENS 688	Chamber Singers	
<i>Recital</i>		
MUP 600	Recital	0
Courses in Support of the Major (12 credits)		
MUE 601	Research Methods in Music	3
or MUS 602	Seminar in Music Research and Writing	
MUP 626	Song Literature I	3
or MUP 634	Song Literature II	
Select one course (3 credits) from 600- or 700-level MUS music theory courses		3
Select one course (3 credits) from the following:		3
600-level Music History course		
600-level Music Literature course		
Music Electives (4 credits)		
Select 4 credits		4
Total Credit Hours		32

Multiple Woodwinds (Three Instrument Track) Concentration

Required: 32 credit hours

Code	Title	Credit Hours
Courses in the Major (20 credits)		
<i>Performance</i> ¹		
MUP 651	Performance Studies (Principal Instrument, 6-9 credits)	15
MUP 653	Performance Studies (Secondary) (Secondary Instrument, 4 credits)	
MUP 653	Performance Studies (Secondary) (Third Instrument, 2-5 credits)	

Ensemble		
Select 4 credits (by audition placement)		4
Recital²		
MUP 600	Recital	1
Courses in Support of the Major (12 credits)		
Select 9 credits from any graduate music courses not in the major (non-performance, non-ensemble)		9
Select one from the following: ³		3
MUE 601	Research Methods in Music	
MUS 602	Seminar in Music Research and Writing	
MUP 683	Instrumental Literature and Performance Practice	
Total Credit Hours		32

¹ *Note: Proficiency must be shown in secondary instruments at the undergraduate concentration upper-division examination level (MUP 351 Performance Studies proficiency minimum)*

² *Must include at least two instruments.*

³ *Note: MUE 601 Research Methods in Music and MUS 602 Seminar in Music Research and Writing are recommended.*

Music, D.M.A.

The D.M.A. in Music requires 90 credit hours of post-baccalaureate coursework; 60 credits must be completed at UNC Greensboro (the Graduate School transfer credit policy applies). A diagnostic examination is administered prior to the first semester of enrollment.

Assistantships are available, as are a limited number of in-state and/or out-of state tuition waivers. Graduate Assistants in Performance are routinely assigned to teach performance studies, perform in ensembles, teach required classes depending on experience, and assist with other support duties in the School.

Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: <https://vpa.uncg.edu/wp-content/uploads/2017/08/dma-handbook-2017-2018.pdf>

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, D.M.A. applicants must submit a repertory list, resume, and scholarly writing sample (if required) with the pre-screening recording. The GRE is not required. Students who begin study at the master's level at UNC Greensboro must successfully fulfill all requirements for the master's degree and successfully present a doctoral audition/interview to be admitted into the doctoral program.

Degree Program Requirements

Required: 60 credit hours

The D.M.A. in Music requires a minimum of 90 credit hours of post-baccalaureate coursework. Up to 30 credits earned in a master's program from an accredited graduate school may be applied to the elective portion of this degree. These credits may count toward the required cognate or help to satisfy competencies with the approval of the Doctoral Advisory Committee in accordance with the academic regulations of

The Graduate School. These credits may not be used to satisfy any non-elective requirements.

The plan of study is developed individually in consultation with the student's advisory committee. At least 75% of all course work (36 credits), exclusive of the dissertation, must be at the 600 or 700 level. A diagnostic examination is administered prior to the first semester of enrollment.

The following 60 credits must be completed at UNC Greensboro (the Graduate School transfer credit policy applies):

Code	Title	Credit Hours
Performance Studies (18 credits minimum)		
MUP 751	Performance Studies *	18
Reading/Writing/Speaking Intensive Courses (9 credits minimum)		
<i>Musicology/Ethnomusicology Course</i>		
MUS 706	Seminar in Music History	3
<i>Music Theory Course</i>		
Select one 600- or 700-level MUS music theory course (3 credits)		3
Select one course (3 credits) from the following:		3
MUE 605	The Measurement of Musical Behavior	
MUE 618	Psychology of Music	
MUE 627	Issues in Multicultural Music Education	
MUE 633	Music for Exceptional Children	
MUE 634	Contemporary Trends in Music Education	
MUE 645	Teaching Elementary Music: Theory and Practice	
MUE 650	Seminar in Music Education	
MUE 653	Music Supervision	
MUE 659	Philosophy of Music	
MUE 740	Music Education in Society	
MUP 750	College Teaching: The Tenure Track	
Electives (21 credits minimum)		
Select a minimum of 21 credits		21
Dissertation (12 credits minimum)		
MUP 799	Dissertation	12
Total Credit Hours		60

* *Students registered for more than one credit of MUP 751 Performance Studies must simultaneously enroll for at least three credits of non-performance or -ensemble music coursework.*

Required Competencies

Satisfactory completion of competencies is determined by the Doctoral Advisory Committee.

- Area Literature
- Area Pedagogy
- Language (if required by area, See Music Graduate Handbook for details)
- Research (Students who have not earned a B or higher in a bibliography/research course at the master's level from a NASM accredited school must take MUE 601 Research Methods in Music or MUS 602 Seminar in Music Research and Writing.)

Required Cognates

All students are required to develop a cognate that comprises 12 credits from any one area of study. These credits may come from the master’s degree, the required doctoral courses, or any other courses taken at UNC Greensboro as electives. If a student applies for and completes one of our P.B.C.s, P.M.C.s, or doctoral minors, this fulfills the cognate requirement. For more information on our certificate programs, please see the appropriate section in the Graduate Bulletin. Satisfactory completion of cognates is determined by the Doctoral Advisory Committee.

Dissertation (12 credits minimum)

The dissertation for the Doctoral of Musical Arts degree comprises 3 major sections:

1. A performance section;

2. A written section; and

3. An oral defense.
- *Performance.* Three recitals are required for all D.M.A. students to fulfill the performance portion of the D.M.A. Dissertation.
 - *Doctoral Document.* The written portion of the dissertation is a document that represents original scholarship, is carried out at the highest level of scholarship, and is relevant to the particular major field’s repertoire, pedagogy, history, or practice. (see the Guide for the Preparation of Theses and Dissertations).
 - *Defense of the Document:* The doctoral candidate who has successfully completed all other requirements for the degree must defend the dissertation orally (Final Oral Examination). See the Graduate Music Handbook for Defense options.

Required Examinations

Diagnostic, Continuation Jury, Preliminary (written and oral), Final Oral (defense of the document)

Music Education, Ph.D.

The Ph.D. in Music Education requires 69 credit hours. At least 75% of all coursework, exclusive of the dissertation, must be at the 600 or 700 level. A diagnostic examination is administered prior to the first semester of enrollment. A cognate, or cognates, in any area approved by the student’s advisory/dissertation committee and The Graduate School may be elected as specified in the University Catalog.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Degree Program Requirements

Required: 69 credit hours

Code	Title	Credit Hours
Music Education (18 credits)		
Select 18 credits from the following:		18
MUE 605	The Measurement of Musical Behavior	
MUE 618	Psychology of Music	
MUE 633	Music for Exceptional Children	
MUE 634	Contemporary Trends in Music Education	
MUE 645	Teaching Elementary Music: Theory and Practice	
MUE 650	Seminar in Music Education	

MUE 653	Music Supervision	
MUE 797	Directed Study in Music	
Research (12 credits)		
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3
MUE 601	Research Methods in Music	3
MUE 701	Research Methods in Music II	3
Professional Education or Other Fields (9 credits)		
Select 9 credits from the following areas of study:		9
History and Philosophy		
Curriculum and Pedagogy		
Administration		
Psychology and Human Development		
Computer Science and Information Management		
Music Electives (12 credits)		
Select 12 credits *		12
Music History and/or Theory (6 credits)		
Select 6 credits		6
Dissertation (12 credits)		
MUE 799	Dissertation	12
Total Credit Hours		69

* Note: Workshop credits applied toward the Ph.D. are limited to 3 credits.

Research and Teaching Skills Proficiencies

Completed on an independent basis during course of study before comprehensive examination.

Required Examinations

Diagnostic, Preliminary (written and oral), Final Oral (Dissertation Defense). See Ph.D. Handbook for details.

Ethnomusicology, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Ethnomusicology provides students with global breadth and awareness of multiple music traditions, as well as theoretical principles and practical applications of ethnomusicology. Requires 15 credit hours.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School:

- A writing sample showing significant engagement with music and culture
- A statement of intent outlining background in ethnomusicology and particular goals and interests
- An interview with participating faculty

Certificate Program Requirements

Required: 15 credit hours

Options will be decided in consultation with the student’s advisor.

Code	Title	Credit Hours
Required Courses (15 credits)		
ENS 677	World Music Ensemble *	2
MUS 706	Seminar in Music History **	3
MUS 689	Practicum in Teaching Music Theory and Musicology	1
Select two of the following:		6
MUE 627	Issues in Multicultural Music Education	
MUS 706	Seminar in Music History	
MUS 631	Selected Topics in Ethnomusicology	
Select one 500/600-level Social Science/Humanities elective chosen in consultation with advisor		3
Total Credit Hours		15

* Two semesters of ENS 677 must be taken for a total of 2 credits.

** When the topic is *Theory and Methods in Ethnomusicology*, offered once every two years.

Historical Keyboard Performance, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Historical Keyboard Performance provides students guidance in playing 16th through 19th century repertoire on instruments contemporaneous with the music, supported by coursework in literature and performance practice.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School:

An earned Bachelor's degree in Music is a prerequisite.

Students applying only for this P.B.C. will audition for the keyboard faculty, adapting the audition requirements of the M.M. in Early Keyboard Instruments in consultation with the Coordinator of the Keyboard Area. Such non-degree students must also submit all application materials required by the School of Music and the Graduate School, excluding GRE scores, by the appropriate deadline for Fall, Spring, or Summer admission. Admitted D.M.A. students in keyboard performance may contact the Coordinator of the Keyboard Area for permission to enroll in this P.B.C. without undergoing any additional auditions.

Certificate Program Requirements

Required: 12 credit hours (must be taken at UNC Greensboro)

Code	Title	Credit Hours
MUP 600	Recital	0
MUP 613	Piano Literature I	3
MUP 620	Seminar in Piano *	3
MUP 653	Performance Studies (Secondary) **	6
Total Credit Hours		12

* Topic must be relevant to historical keyboard studies, such as: *The 18th-Century Piano*, *The Mozart Piano Concertos*, *Haydn's Keyboard Music*, *The Pianist's Bach*, *Performance Practice on Historical Keyboard Instruments*, *Beethoven's Late Piano Music*, *Chopin and the Pleyel*, *Iberian keyboard music of the Renaissance and Baroque*, *The Keyboard Prelude and Fugue in 16th and 18th-century Germany*.

** In harpsichord, fortepiano, and/or organ. Registration may be for one or two credits per semester.

Exit Requirements

The student will perform a 30-minute recital of solo repertoire on an historical keyboard instrument or instruments. Degree-seeking students may, with the approval of the studio teacher, use the fulfillment of this requirement to satisfy a portion of their degree's performance requirements.

Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: <https://vpa.uncg.edu/music/music-current-students/graduate/>.

Jazz Studies, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Jazz Studies provides students and/or professionals with knowledge and skills needed to apply principles of jazz to a variety of musical careers.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School:

- An earned Bachelor's degree in Music; in exceptional cases, a student with an undergraduate degree outside of music may be considered.
- For current degree-seeking students, at least one letter of recommendation must be from a Jazz faculty member at UNC Greensboro.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (12 credits)		
Select 12 credits from the following: *		12
MUP 605	Principles of Jazz Theory	
MUP 609	Jazz Pedagogy	
MUP 623	Jazz Arranging I	
MUP 624	Jazz Arranging II	
MUP 653	Performance Studies (Secondary) (may be repeated for 3 additional credits)	
MUP 663	History of Jazz	
MUP 664	Jazz Improvisation I	
MUP 665	Advanced Jazz Improvisation	
ENS 648	Chamber Music **	
ENS 695	Jazz Ensemble **	

ENS 696	Jazz Ensemble II **
Total Credit Hours	12

- * Must be taken at UNC Greensboro, at least 6 at the 600-level; the coordinator of the Miles Davis Program in Jazz will advise the certificate student in course selection.
- ** May be repeated up to three times.

Although not required, students are encouraged to audition for one of the jazz ensembles or jazz combos.

Exit Requirements

Completion of all coursework with a grade of B or better is required. Degree-seeking students must include a member of the jazz faculty on their doctoral advisory committee or master’s comprehensive exam committee. Testing conditions will follow those outlined in the Handbook for Graduate Study in Music for the student’s degree program.

Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: vpa.uncg.edu/music/music-current-students/graduate/

Music Composition, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Music Composition provides students with knowledge and skills needed to pursue music composition within a variety of musical careers.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School:

- An earned Bachelor’s degree in Music; in exceptional cases, a student with an undergraduate degree outside of music may be considered.
- For current degree-seeking students, at least one letter of recommendation must be from a Composition faculty member at UNC Greensboro.
- The application will also contain a portfolio of scores and recordings of original compositions (normally consisting of 3-5 works).

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (12 credits)		
Select 12 credits from the following: *		12
MUP 600	Recital	
MUP 623	Jazz Arranging I	
MUP 624	Jazz Arranging II	
MUP 644	Digital Music I	
MUP 645	Digital Music Composition II	
MUP 653	Performance Studies (Secondary) (may be repeated)	

MUP 655	Orchestration
Total Credit Hours	12

- * Must be taken at UNC Greensboro, at least 6 at the 600 level; the coordinator of the Composition area will advise the certificate student in course selection.

Exit Requirements

Each certificate student must present a 30-minute recital of their original compositions. Degree-seeking students must include a member of the composition faculty on their doctoral advisory committee or master’s comprehensive exam committee. Testing conditions will follow those outlined in the Handbook for Graduate Study in Music for the student’s degree program. Students will be afforded two opportunities to pass the recital requirement.

Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: vpa.uncg.edu/music/music-current-students/graduate/

Music Education, Post-Baccalaureate Certificate

Any person with an undergraduate degree in music may apply for a Post-Baccalaureate Certificate in Music Education. The purpose is to provide post-baccalaureate students and/or professionals with knowledge and skills needed to apply principles of music education to a variety of music careers.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Students admitted to the M.M. or D.M.A. degree programs, excluding Music Education, may elect this program in their formal plan of study.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (6 credits)		
Research and Assessment in Music		
MUE 601	Research Methods in Music	3
MUE 605	The Measurement of Musical Behavior	3
Foundations of Music Teaching and Learning (3 credits)		
Select one of the following:		3
MUE 618	Psychology of Music	
MUE 634	Contemporary Trends in Music Education	
MUE 650	Seminar in Music Education	
MUE 653	Music Supervision	
MUE 659	Philosophy of Music	
Music Education Methods and Approaches (3 credits)		
Select one of the following:		3
MUE 627	Issues in Multicultural Music Education	
MUE 632	Methods and Materials of Music Reading Instruction	
MUE 633	Music for Exceptional Children	

MUE 645	Teaching Elementary Music: Theory and Practice	
MUE 656	Advanced Choral and General Music Methods for the Adolescent	
MUE 657	Advanced Instrumental Methods	
Total Credit Hours		12

Exit Requirements

To acquire the Post-Baccalaureate Certificate in Music Education, all students must complete the coursework, as specified, with a grade of B or better to demonstrate that they have sufficient depth and breadth of music education.

Music Performance Study, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Music Performance Studies provides students and/or professional musicians with the knowledge and skill needed to pursue musical performance in a variety of musical careers.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

An in-person performance audition with School of Music faculty committee is required.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (11 credits)		
MUP 651	Performance Studies	8
Select one course (3 credits) from the following areas:		3
ENS 600-level course in large or chamber ensemble ¹		
MUS 500- or 600-level course in Musicology, Ethnomusicology, or Music Theory		
MUP non-performance study 600-level course		
MUP 600-level course in secondary performance study ²		
Performance Recital (1 credit)		
MUP 600	Recital	1
Total Credit Hours		12

¹ Could include three separate ensemble credits.

² Could include instrumental study in a complementary area such as study in multiple woodwinds, historical keyboard, and others.

Music Theory Pedagogy, Post-Master's Certificate

The Post-Master's Certificate in Music Theory Pedagogy provides Ph.D. or D.M.A. music students with the knowledge and skills necessary to be successful teaching music theory and ear training in higher education.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must:

- Be enrolled in a doctoral degree program in music.
- Earn a passing score on the Graduate Theory Diagnostic Exam.
- Provide a statement of intent that outlines their background and interest in music theory and their goals.
- Interview with participating faculty. The interview involves an assessment of skills required for the teaching of music theory and ear training. Contact the Director of Graduate Study in Music for more information.

Certificate Program Requirements

Required: 14 credit hours

Code	Title	Credit Hours
Required Courses (14 credits)		
MUS 644	Pedagogy of Music Theory	3
MUS 662	Schenkerian Analysis	3
MUS 689	Practicum in Teaching Music Theory and Musicology (two semesters are required)	2
Select two courses (6 credits) from the following:		6
MUS 660	Theory and Analysis of Rhythm	
MUS 664	Post-Tonal Theory	
MUS 690	Current and Historical Trends in Music Theory	
MUS 707	Seminar in Musical Analysis [*]	
Total Credit Hours		14

^{*} Note: MUS 707 Seminar in Musical Analysis may be taken twice with different topics to fulfill 6 credits of certificate requirements.

Music Theory, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Music Theory provides students and/or professionals with knowledge and skills needed to apply principles of music theory to a variety of musical careers.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

An earned Bachelor's degree in Music. Students admitted to the M.M., D.M.A., or Ph.D. in Music may elect this program in their formal plan of study. In addition to the application materials required by The Graduate School, applicants must:

- Earn a passing score on the Graduate Theory Diagnostic Exam
- Provide a statement of intent that outlines their background and interest in music theory and their goals
- Interview with participating faculty

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Select four courses (12 credits) from the following:		12
MUS 639	Tonal Counterpoint	
MUS 644	Pedagogy of Music Theory	
MUS 660	Theory and Analysis of Rhythm	
MUS 662	Schenkerian Analysis	
MUS 664	Post-Tonal Theory	
MUS 690	Current and Historical Trends in Music Theory	
MUS 692	Advanced Tonal Analysis	
MUS 707	Seminar in Musical Analysis *	
Total Credit Hours		12

* Note: MUS 707 Seminar in Musical Analysis may be taken twice with different topics to fulfill 6 credits of certificate requirements.

Musicology, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Musicology provides students with the opportunity to study music history in greater depth in a structured program, preparing M.M. and D.M.A. students to teach courses requiring music history knowledge, and thus enhancing their marketable skills. It also prepares other graduates of B.A. or B.M. programs for further graduate study in musicology and enhances the employability of students with an interest in public sector fields and arts administration.

The objectives of the Post-Baccalaureate Certificate in Musicology are to:

- Increase cultural awareness and understanding of the Western art music tradition in relation to non-European musical traditions.
- Develop practical skills for teaching music history in the classroom.
- Develop research and writing skills in the field of music history.

The program is open to students with a B.A., B.M., or other undergraduate four-year degrees who meet admission requirements. Additionally, it is open to UNC Greensboro students enrolled in M.M., D.M.A. and Ph.D. programs in the School of Music.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School:

- Pass the music history diagnostic exam required of all incoming degree-seeking music graduate students.
- Provide a statement of intent that outlines the candidate's background, interests, and goals in musicology.
- Provide a writing sample that demonstrates intellectual engagement with music.
- Interview with participating faculty.

Students in the Musicology certificate program will work with an advisor in the musicology area who will help the student design an integrated program specific to his or her needs and interests.

Certificate Program Requirements

Required: 13 credit hours taken at UNC Greensboro

Code	Title	Credit Hours
Required Courses (13 credits)		
MUS 689	Practicum in Teaching Music Theory and Musicology	1
MUS 706	Seminar in Music History *	6
Select 6 credits of additional Musicology/Enthnomusicology courses at the 600 or 700 level **		6
Total Credit Hours		13

* May be repeated with a different topic for a total of 6 credits.

** Additional Musicology/Ethnomusicology: In consultation with the student's musicology advisor, and as appropriate for the student's plan of study, the student may substitute one relevant course outside of the area. Relevant courses could include MUE 601 Research Methods in Music or MUS 602 Seminar in Music Research and Writing, a language, a period or non-Western ensemble, or a 500/600 level course in such fields as History, Women's and Gender Studies, African American Studies, Music Theory, or others.

Exit Requirements

Students must maintain a minimum 3.0 GPA in courses counting for credit towards the certificate.

School of Theatre

College of Visual and Performing Arts

200 Taylor Building
336-334-5576
<http://vpa.uncg.edu/theatre>

John Poole, Director of the School of Theatre
Deb Bell, Director of Graduate Study

Mission

The UNC Greensboro School of Theatre educates and trains students as professional artists in performance, design and technology, theatre for youth, and theatre education. Our rigorous B.A., B.F.A., and M.F.A. programs produce exemplary theatre artists with the knowledge, skills, and vision to work professionally in the performing arts.

Undergraduate Study

The School of Theatre offers a full range of liberal arts and professional degree programs that prepare undergraduate students for a variety of career opportunities in theatre. The school offers the following undergraduate degree programs:

- B.A. in Drama
- B.F.A. in Drama, with concentrations in
 - Acting
 - Design and Technical Production
 - Theatre Education (Teacher Licensure)

The degrees, which are accredited by the National Association of Schools of Theatre, provide students with a vital mix of course work that combines both theory and practice and allows for the development of skills and talents.

The School also offers two minors in Drama and Technical Theatre. Each minor requires completion of 18 credit hours of courses. The minors are broadly designed and include a variety of course selections and should be of interest to students with general interests in these areas who are majoring in complementary fields such as Media Studies, Communication Studies, English, Art, and Dance.

The School's rich and varied curriculum is matched by an extensive co-curricular program that includes opportunities to participate in productions at UNC Greensboro Theatre, North Carolina Theatre for Young People, Triad Stage, and Workshop Theatre. Participation in school-sponsored plays and musicals is open to majors and non-majors alike.

The School encourages students to pursue internship opportunities, particularly in the summer months. Students are also encouraged to investigate study abroad programs offered by the university.

The School utilizes office, classroom, laboratory, studio, and performance space in the Taylor, Brown, UNC Greensboro Auditorium, McIver, and Curry buildings on campus. The school's faculty is composed of talented artists and scholars with excellent reputations as teachers. Students are encouraged to collaborate with faculty on creative and research projects during their course of study.

Admission to the School's degree programs is competitive. The requirements stated below are minimum requirements, and marginal compliance with them does not automatically imply admission.

Graduate Study

The School of Theatre offers one graduate degree: the M.F.A. in Drama (with concentrations in acting, design, directing, and theatre for youth). The M.F.A. is a terminal master's degree designed to develop individual artistry and provide advanced, specialized training in acting, design, directing, and theatre for youth. The M.F.A. is accredited by the National Association of Schools of Theatre.

The School offers a rich and varied curriculum that combines theory and practice and demands the development of skills and talents. Curricular offerings are matched by an extensive co-curricular program that includes opportunities to participate in the School's extensive theatre production program, which includes UNC Greensboro Theatre, N.C. Theatre for Young People, Studio Theatre, Workshop Theatre, and a professional summer theatre workshop. Students may also be provided production opportunities at Triad Stage, an equity regional theatre in Greensboro.

Office, classroom, laboratory, studio, and performance space is used in Taylor, UNC Greensboro Auditorium, Brown, Ferguson, Curry, 812 Lilly, 326 Tate, and 328 Tate. The faculty of talented artists and scholars have excellent national reputations and are deeply committed to teaching and learning. Graduate students are expected to work closely with faculty on creative and research projects during their course of study.

VISIONS students are restricted from taking any 500-level course without the per

Professor

Deb L. Bell^G
Rachel Briley^G
James Fisher^G
Robert C. Hansen^G
Randall J. McMullen^G

James M. Wren^G

Associate Professor

Janet Malia Allard^G
Michael Flannery^G
Denise Lynn Gabriel^G
John M. Gulley^G
Christine Anne Morris^G
John R Poole^G
Ken White^G

Assistant Professor

Erin Farrell Speer^G

Visiting Assistant Professor

Andrew E Duff

Lecturer

Noah Carlisle Davis
Jehann Laurel Gilman^G
Chip Haas^G
April Lynn Hill
Mahealani Mapuwana Jones
Joshua T. Purvis^G
Emily Barrett Rieder
Joshua S Ritter^G
Edward Kilby Simpson

^G Graduate-level faculty

- Drama, B.A. (p. 452)
- Drama, B.F.A. (p. 453)
- Drama Undergraduate Minor (p. 456)
- Musical Theatre Undergraduate Minor (p. 456)
- Technical Theatre Undergraduate Minor (p. 457)
- Drama, M.F.A. (p. 457)

Arts Administration Minor

The Arts Administration minor (p. 411) is an option for any student majoring in the School of Theatre concentrations. It would be of interest to students pursuing a career in theatre management or in gaining additional skills to manage their artistic careers.

Theatre Disciplinary Honors Requirements

- A minimum of 12 credit hours as outlined below.
- A grade of at least B in all course work used to satisfy the Honors requirements for Theatre
- A declared Theatre Major
- At least a 3.30 overall GPA at graduation

Code	Title	Credit Hours
Select 9 credits from the following: *		9
THR 232	Acting II	
400-level THR course		
Contract course		
Independent study		
THR 483	Honors Work **	

Select 3 credits of the following: ¹ 3

HSS 490	Senior Honors Project
THR 483	Honors Work
THR 498	Capstone Production Practicum

* University Honors courses may be substituted for up to 6 credits of the 9 credits required. These courses offer a wide range of subjects and can often serve as GEC courses for the Theatre Major.

** Course qualifies if taken toward completion of HSS 490.

¹ The B.A. Capstone Experience, building on earlier courses, and/or University Studies Abroad to create a capstone experience, can serve as credit or substitute for these course. Students present their topics to their B.A. Faculty Review Committees for approval at least one semester before completing the capstone project. Upon completing the project, students summarize and analyze their project with the Faculty Review Committee. See advisor for possible capstone project examples.

400-level THR course

Any 400-level THR course completing graduate work with graduate students. Instructor must be notified at the beginning of course.

Contract Course

Any THR course negotiated as a Contract Course between the Honors Candidate and the instructor meeting Honors council guidelines for Contract Courses. See advisor for application forms and deadlines for submission.

Independent Study

Taken under the guidance of a faculty member, perhaps taken in preparation for the Capstone Experience/Project. See advisor for approval.

Recognition

The designation “Completed Disciplinary Honors in Theatre” and the title of the Senior Honors Project will be printed on the student’s official transcript.

Honors Advisor

See Deborah Bell and undergraduate curriculum advisor for further information and guidance about Honors in Theatre.

Drama, B.A.

The B.A. in Drama provides a broadly based approach for students who wish to emphasize theatre as an undergraduate major. A strong core of courses in acting, directing, stagecraft, playscript analysis, theatre history, and dramatic literature is supplemented by additional work in performance, technical theatre, and other theatre studies. B.A. Drama Majors have plentiful opportunities to develop analytical, communication, and presentational skills highly valued in university graduates.

All Theatre majors are expected to read and abide by the policies published in the Theatre Program student handbooks, available online.

Overall Requirements

- 120 credit hours, to include 50 credits in the major, and at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Required		23
THR 140	Stage Crafts: Scenery, Lighting, and Sound	
THR 145	Stage Crafts: Costuming and Makeup	
THR 191	Theatre Practice - Scenery	
THR 192	Theatre Practice - Costumes	
THR 201	Playscript Analysis	
THR 231	Acting I	
THR 400	Theatre History I	
THR 401	Theatre History II	
THR 410	Directing I	
Advanced Theatre Practice*		4
Select 4 credits from the following:		
THR 490	Advanced Theatre Practice-Performance **	
THR 491	Advanced Theatre Practice-Scenery	
THR 492	Advanced Theatre Practice-Costumes	
THR 493	Advanced Theatre Practice-Box Office and/or Publicity	
THR 494	Advanced Theatre Practice-Production	
THR 495	Advanced Theatre Practice-Lighting	
Theatre History		3
Select 3 credits from the following:		
THR 305	Broadway: Development of the American Musical	
THR 405	American Theatre History	
THR 406	Non-Western Theatre and/or Film	
THR 407	Feminist Theatre	
Design		3
Select one of the following:		
THR 351	Scene Design	
THR 361	Costume Design	
THR 370	Lighting Design	
Additional 18 credits		18
Select 18 credits from the following or from the Theatre History or Design sections above:		
<i>Directing/Playwriting/Performance</i>		
THR 120	Voice for the Actor	
THR 232	Acting II	
THR 320	The Actor’s Space	
THR 380	Playwriting	
THR 411	Directing II	
THR 434	Camera Acting: Basic Techniques	
THR 435	Performance Styles	
THR 480	Playwriting II	
THR 495	Advanced Theatre Practice-Lighting	

<i>Theatre for Youth</i>	
THR 415	Drama in Education
THR 416	Puppetry
THR 417	Theatre in Education
<i>Technical Theatre</i>	
THR 242	Technical Production: Scenery
THR 244	Technical Production: Costumes
THR 245	Theatre Graphics
THR 246	Technical Production: Sound and Lighting
THR 260	Advanced Makeup
THR 345	Theatre Production Crafts
THR 346	Costume Crafts
THR 386	Introduction to Stage Management
THR 403	Period Styles in Performance Design I
THR 404	Period Styles in Performance Design II
THR 442	Scene Painting I
THR 448	Stage Millinery and Accessories
THR 449	Historical Costume Pattern Drafting and Draping
<i>Management</i>	
THR 484	Theatre Management
<i>Theatre Practice</i>	
THR 487	Theatre Field Studies

* *Note: Junior and senior transfer students must complete a minimum of 2 credits in this requirement.*

** *May not be taken for more than 3 credits.*

Related Area Requirements

Foreign Language Requirement

Foundational-level proficiency in a language other than English required. Proficiency may be demonstrated by placement test or by completion of course work through course number 102 or higher.

Electives

Electives sufficient to complete the 120 credit hours required for degree.

College of Visual and Performing Arts Minor Requirement

Students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice. Any B.A. student who is pursuing a double major is exempt from this requirement. See the Minor Requirement topic on the College of Visual and Performing Arts page for more information.

Drama, B.F.A.

About the B.F.A. Drama (DRAM) Major

The B.F.A. Drama Major emphasizes that theatre is a discipline involving aptitude, study, and practice. Students' development through classroom study combined with practical application in the production program

is required to continue in the major. Students are formally reviewed for continuance in the B.F.A. programs each year.

Admission to the B.F.A. in Drama Major

Students pursuing the B.F.A. in Drama select from three concentrations:

- Acting
- Design and Technical Production
- Theatre Education (with teacher licensure)

Admission to Acting Concentration

Students in the B.F.A. Acting concentration audition prior to admittance, and, if accepted, enter the B.F.A. in Acting as freshmen. Transfer students may elect to audition as part of the transfer process (prior to matriculation) and if accepted will enter UNC Greensboro as part of the freshmen B.F.A. in Acting class. The B.F.A. in Acting requires a residency at UNC Greensboro of no fewer than seven semesters.

Admission to Design and Technical Production Concentration

Provisional admission is granted to the B.F.A. in Design and Technical Production concentration during fall semester. At the end of fall semester, students are interviewed for admission to the programs. Students should consult their faculty advisors for detailed interview requirements. Admission to the program is very competitive.

Admission to Theatre Education Concentration

Provisional admission is granted to students in the Theater Education concentration during the first three semesters. After receiving passing scores on the Praxis I, and achieving a 3.0 GPA, students apply for admission to Teacher Education in the second semester of the sophomore year. A faculty interview is required for admission.

Transfer students should note that the program is concerned with the maturation and sequential training of the young artist/educator. Thus, enrollment for six semesters (three years) is required, even when students begin study in their junior year. Students planning to transfer to UNC Greensboro to pursue a B.F.A. in Theatre Education are cautioned to take courses that meet General Education Core (GEC) requirements instead of taking courses in the major.

Continuance in the B.F.A. Drama Major

As part of developing appropriate professional understanding, B.F.A. Acting students must complete one production assignment in the freshman year and a total of six more assignments during their sophomore, junior, and senior years. Three of the B.F.A. Acting students' production assignments are in non-performance-related activities.

B.F.A. Design and Technical Production students must complete one production assignment during the second semester in the freshman year and at least six more assignments during the sophomore, junior, and senior years. B.F.A. transfer students in Design and Technical Production are required to complete one production assignment each semester in the program.

B.F.A. in Theatre Education students must maintain a 3.0 minimum GPA, maintain active professional liability insurance, complete 100 hours of pre-approved field experience in K–12 schools prior to student teaching, audition at least once every year, complete a minimum of two stage management assignments, and complete an annual faculty review.

Internship Requirements

B.F.A. Design and Technical Production majors are required to complete an internship. Transfer students should make arrangements to schedule the internship as soon as possible. Internships must be approved prior to completion of the internship duties.

All Theatre majors are expected to read and abide by the policies published in the student handbooks, available online.

Production Assignments

Credit is earned for these production assignments as noted in the outline of requirements within programs.

Code	Title	Credit Hours
THR 191	Theatre Practice - Scenery	
THR 192	Theatre Practice - Costumes	
THR 194	Apprentice Production Practicum	
THR 294	Intern Production Practicum	
THR 394	Journeyman Production Practicum	
THR 490	Advanced Theatre Practice-Performance	
THR 491	Advanced Theatre Practice-Scenery	
THR 492	Advanced Theatre Practice-Costumes	
THR 493	Advanced Theatre Practice-Box Office and/or Publicity	
THR 494	Advanced Theatre Practice-Production	
THR 495	Advanced Theatre Practice-Lighting	

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Acting
- Design and Technical Production
- Theatre Education with K–12 Teaching Licensure

Electives

Additional electives sufficient to complete the 120 credit hours required for degree.

Acting Concentration Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Code	Title	Credit Hours
Acting Studies		39
THR 201	Playscript Analysis	
THR 221	Dynamics in Acting: Movement I	
THR 222	Dynamics in Acting: Voice I	
THR 235	Acting Studio 1	
THR 236	Acting Studio 2	
THR 321	Dynamics in Acting: Movement II	
THR 322	Dynamics in Acting: Voice II	
THR 331	Acting Studio 3	
THR 332	Acting Studio 4	
THR 431	Acting Studio 5	
THR 432	Advanced Shakespeare Studio	
THR 436	Advanced Acting for the Camera Studio	
THR 439	Professional Theatre Audition Techniques	
Technical Theatre Studies		8
THR 140	Stage Crafts: Scenery, Lighting, and Sound	
THR 145	Stage Crafts: Costuming and Makeup	
THR 191	Theatre Practice - Scenery	
THR 192	Theatre Practice - Costumes	
Studies in Theatre History		6
THR 400	Theatre History I	
THR 401	Theatre History II	
Studies in Theatre Design		3
Select one of the following courses:		
THR 351	Scene Design	
THR 361	Costume Design	
THR 370	Lighting Design	
Other Theatre Studies		6
Select at least two of the following courses:		
THR 380	Playwriting	
THR 405	American Theatre History	
THR 406	Non-Western Theatre and/or Film	
THR 407	Feminist Theatre	
THR 411	Directing II	
THR 410	Directing I	
THR 480	Playwriting II	
Additional Theatre Practice		4
Select 4 credits of the following:		
THR 490	Advanced Theatre Practice-Performance *	
THR 491	Advanced Theatre Practice-Scenery	
THR 492	Advanced Theatre Practice-Costumes	
THR 493	Advanced Theatre Practice-Box Office and/or Publicity	
THR 494	Advanced Theatre Practice-Production	
THR 495	Advanced Theatre Practice-Lighting	
Performance Electives		18
Select 18 credits from the following:		
MUP 125	Class Voice ¹	
THR 309	Singing for the Actor ¹	
THR 349	Workshop in Musical Theatre	

THR 421	Physical Violence for the Stage
THR 422	Stage Dialects
THR 416	Puppetry
THR 432	Advanced Shakespeare Studio
THR 436	Advanced Acting for the Camera Studio
THR 490	Advanced Theatre Practice-Performance **
VPA 330	Dance for Musical Theatre

* May not be taken for more than 3 credits.

** Applicable as Performance Electives only if not taken in Additional Theatre Practice.

¹ No more than 3 credits may be from this course

Design and Technical Production Concentration Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Code	Title	Credit Hours
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Design and Technical Theatre Studies

THR 140	Stage Crafts: Scenery, Lighting, and Sound
THR 145	Stage Crafts: Costuming and Makeup
THR 245	Theatre Graphics
THR 248	Portfolio Preparation for the Theatre
THR 351	Scene Design
THR 361	Costume Design
THR 370	Lighting Design
THR 444	Computer Aided Drafting for the Theatre
THR 498	Capstone Production Practicum

Select two of the following:

THR 242	Technical Production: Scenery
THR 244	Technical Production: Costumes
THR 246	Technical Production: Sound and Lighting

Select one of the following courses:

THR 403	Period Styles in Performance Design I
THR 404	Period Styles in Performance Design II

Select one of the following courses:

THR 450	Advanced Scene Design
THR 460	Advanced Costume Design
THR 470	Advanced Lighting Design

Select 12 credits from the following: *

THR 194	Apprentice Production Practicum
THR 294	Intern Production Practicum
THR 394	Journeyman Production Practicum

Select 12 credits from the following: **

THR 260	Advanced Makeup
THR 340	Scenic Automation and Technology
THR 345	Theatre Production Crafts
THR 346	Costume Crafts
THR 386	Introduction to Stage Management
THR 395	Special Problems
THR 407	Feminist Theatre
THR 410	Directing I

THR 405	American Theatre History
THR 406	Non-Western Theatre and/or Film
THR 440	Advanced Stagecrafts
THR 441	Technical Direction
THR 442	Scene Painting I
THR 446	Advanced CAD for the Theatre
THR 448	Stage Millinery and Accessories
THR 449	Historical Costume Pattern Drafting and Draping
THR 484	Theatre Management
THR 487	Theatre Field Studies

Performance Studies

THR 231	Acting I
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Other Theatre Studies

THR 201	Playscript Analysis
THR 400	Theatre History I
THR 401	Theatre History II

Internship

Completion of approved internship

* May be repeated for credit up to six times each. NOTE: Junior and senior transfer students must complete 8 credits of this requirement.

** The courses below are also eligible if not used to meet prior requirements.

- THR 242
- THR 244
- THR 246
- THR 450
- THR 460
- THR 470
- THR 403
- THR 404

Theatre Education, K-12 Teaching Licensure Concentration Requirements

- 128 credit hours, to include at least 36 credits at or above the 300 course level

Code	Title	Credit Hours
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53 Theatre Content Courses (73 credits total)

All of the courses listed below		
THR 120	Voice for the Actor	
THR 140	Stage Crafts: Scenery, Lighting, and Sound	
THR 145	Stage Crafts: Costuming and Makeup	
THR 201	Playscript Analysis	
THR 231	Acting I	
THR 232	Acting II	
THR 370	Lighting Design	
THR 380	Playwriting	
THR 386	Introduction to Stage Management	
THR 400	Theatre History I	
THR 401	Theatre History II	
THR 410	Directing I	
THR 415	Drama in Education	
THR 435	Performance Styles	

THR 482	Teaching Methods in Theatre Arts
THR 484	Theatre Management
THR 485	Directing Practicum
THR 494	Advanced Theatre Practice-Production

Field Experience

THR 497	Student Teaching in Theatre Arts *
One selected from the design courses listed below (3 credits):	
THR 351	Scene Design
THR 361	Costume Design
One selected from the production courses listed below (2 credits):	
THR 242	Technical Production: Scenery
THR 244	Technical Production: Costumes
THR 246	Technical Production: Sound and Lighting
One selected from the history courses listed below (3 credits)	
THR 405	American Theatre History
THR 406	Non-Western Theatre and/or Film
One selected from the advanced theatre courses listed below, if not used to meet prior requirements (3 credits):	
THR 351	Scene Design
THR 361	Costume Design
THR 407	Feminist Theatre
THR 480	Playwriting II
THR 411	Directing II
THR 416	Puppetry
THR 417	Theatre in Education

Professional Education Courses

12 credits in total	
ELC 401	Schooling in a Democratic Society
ERM 401	Assessment I: Accountability in Our Nation's Schools
ERM 402	Assessment II: Standardized Tests
ERM 403	Assessment III: Classroom Assessment
LIS 120	Introduction to Instructional Technology for Educational Settings
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings
TED 401	Child and Adolescent Development and Learning
TED 402	Student Engagement in the Classroom
TED 403	Teaching English Learners with Diverse Abilities
One selected from the courses listed below:	
TED 445	Human Diversity, Teaching, and Learning

* Students are required to complete 100 hours of field experience in schools prior to beginning student teaching.

Drama Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		
THR 201	Playscript Analysis	

Select at least 15 credits from the following: *

THR 120	Voice for the Actor
THR 140	Stage Crafts: Scenery, Lighting, and Sound
THR 145	Stage Crafts: Costuming and Makeup
THR 231	Acting I
THR 232	Acting II
THR 280	The Mask in Performance
THR 305	Broadway: Development of the American Musical
THR 380	Playwriting
THR 320	The Actor's Space
THR 407	Feminist Theatre
THR 400	Theatre History I
THR 401	Theatre History II
THR 405	American Theatre History
THR 406	Non-Western Theatre and/or Film
THR 410	Directing I
THR 416	Puppetry
THR 417	Theatre in Education
THR 484	Theatre Management
THR 490	Advanced Theatre Practice-Performance
THR 491	Advanced Theatre Practice-Scenery

* Three courses should be selected at the 200 level or above.

Musical Theatre Undergraduate Minor

This minor is intended to provide introductory performance-related experiences for performing arts students not in the BFA theatre degree tracks. Students in the BFA theatre degree tracks may be able to earn a minor in musical theatre by taking 15 credit hours in the more advanced offerings in musical theatre.

Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		8
THR 305	Broadway: Development of the American Musical	
THR 357	Musical Theatre Audition Technique I	
THR 349	Workshop in Musical Theatre	
Major-Based Course Work		10
Required Courses		
Dance Majors (7 credits)		
THR 231	Acting I	
THR 306	Musicianship for Musical Theatre	
THR 309	Singing for the Actor	
Drama Majors (6 credits)		
THR 306	Musicianship for Musical Theatre	
THR 309	Singing for the Actor	
DCE 113	Introduction to Ballet	
DCE 331	Musical Theatre Dance Styles	
Music Majors (5 credits)		
THR 231	Acting I	

DCE 113	Introduction to Ballet
DCE 331	Musical Theatre Dance Styles
<i>Theatre, Music, and Dance Electives</i>	
Dance Majors	
Select 3 credits of the following:	
THR 201	Playscript Analysis
THR 232	Acting II
THR 309	Singing for the Actor
THR 380	Playwriting
THR 490	Advanced Theatre Practice-Performance
THR 405	American Theatre History
Drama Majors	
Select 4 credits of the following:	
THR 309	Singing for the Actor
THR 490	Advanced Theatre Practice-Performance
DCE 112	Contemporary Dance I
DCE 114	Ballet I
DCE 116	Jazz Dance I
DCE 132	African Dance I
DCE 133	Tap Dance I
Music Majors	
Select 5 credits of the following:	
THR 201	Playscript Analysis
THR 232	Acting II
THR 380	Playwriting
THR 490	Advanced Theatre Practice-Performance
THR 405	American Theatre History
DCE 112	Contemporary Dance I
DCE 114	Ballet I
DCE 116	Jazz Dance I
DCE 132	African Dance I
DCE 133	Tap Dance I

Technical Theatre Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		18
THR 201	Playscript Analysis	
THR 140	Stage Crafts: Scenery, Lighting, and Sound	
or THR 145	Stage Crafts: Costuming and Makeup	
<i>Select at least 12 credits from the following:</i>		
THR 140	Stage Crafts: Scenery, Lighting, and Sound	
THR 145	Stage Crafts: Costuming and Makeup	
THR 245	Theatre Graphics	
THR 260	Advanced Makeup	
THR 345	Theatre Production Crafts	
THR 351	Scene Design	

THR 361	Costume Design
THR 370	Lighting Design
THR 440	Advanced Stagecrafts
THR 442	Scene Painting I
THR 448	Stage Millinery and Accessories
THR 449	Historical Costume Pattern Drafting and Draping
THR 491	Advanced Theatre Practice-Scenery
THR 492	Advanced Theatre Practice-Costumes
THR 494	Advanced Theatre Practice-Production

Drama, M.F.A.

About

The School of Theatre offers one graduate degree: the M.F.A. in Drama (with concentrations in Acting, Design, Directing, and Theatre for Youth). The M.F.A. is a terminal master's degree designed to develop individual artistry and provide advanced, specialized training in acting, design, directing, and theatre for youth. The M.F.A. is accredited by the National Association of Schools of Theatre.

The School offers a rich and varied curriculum that combines theory and practice and demands the development of skills and talents. Curricular offerings are matched by an extensive co-curricular program that includes opportunities to participate in the School's extensive theatre production program, which includes UNC Greensboro Theatre, N.C. Theatre for Young People, Studio Theatre, Workshop Theatre, and a professional summer theatre workshop. Students may also be provided production opportunities at Triad Stage, an equity regional theatre in Greensboro.

Office, classroom, laboratory, studio, and performance space is used in the Taylor, UNC Greensboro Auditorium, Brown, Ferguson, Curry, and the 326 and 328 Tate Street buildings. The faculty of talented artists and scholars have excellent national reputations and are deeply committed to teaching and learning. Graduate students are expected to work closely with faculty on creative and research projects during their course of study.

Non-degree students are restricted from taking any 500-level course without the permission of the Director of the School of Theatre and course instructor. Only students officially admitted to the M.F.A program can register for 600-level courses.

In addition to the information contained in The Graduate School Bulletin, students are also required to be familiar with the policies and procedures contained in all School handbooks that can be obtained from the School's Main Office, Room 202, Taylor Building.

Mission

The UNC Greensboro School of Theatre educates and trains students as professional artists in performance, design and technology, theatre for youth, and theatre education. Our rigorous BA, BFA, and M.F.A programs produce exemplary theatre artists with the knowledge, skills, and vision to work professionally in the performing arts.

Graduate Programs

- Master of Fine Arts (M.F.A) in Drama: Acting, Design, Directing, and Theatre for Youth concentrations (60 credit hours)

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Admission to the School's degree programs is very competitive. Marginal compliance with the requirements stated below does not automatically imply admission.

In addition to the application materials required by The Graduate School, applicants must submit a detailed resume of theatre experience and participate in an interview. Acting concentration applicants are required to audition, and applicants to the Design, Directing, and Theatre for Youth concentrations must submit a portfolio. Please contact individual Theatre programs for specific program requirements. Students entering the program normally have an undergraduate degree in Theatre with a strong background in the concentration they wish to pursue. Exceptions are occasionally made for students with significant professional or practical experience. For the Design concentration, an undergraduate degree in a related field may be acceptable. Students admitted without the appropriate undergraduate background will be expected to complete remedial work, in addition to normal degree requirements.

Degree Program Requirements

Required: 60 credit hours

Acting Concentration

The M.F.A. in Drama with an Acting Concentration is a 60 credit hour degree that may be completed in four semesters (two years) for students on assistantships. The Acting Concentration is dedicated to the development of the advanced actor for professional and academic theatre. Students take classes in voice, movement, contemporary and period scene study, acting for the camera, audition techniques, and related coursework in academic and performance disciplines. The program consists of a core of acting courses and practicum experiences all students take and a series of electives the student selects in consultation with his/her advisor. Internships are required for students without experience in summer theatre or a professional equivalent.

Candidates for the degree are accepted every other year.

Code	Title	Credit Hours
Major Studies (42 credits)		
THR 532	Advanced Shakespeare Studio	3
THR 539	Professional Theatre Audition Techniques	3
THR 600	Introduction to Graduate Study	3
THR 603	Acting Seminar	3
THR 621	Advanced Dynamics: Movement ¹	6
THR 622	Advanced Dynamics: Voice ¹	6
THR 631	Studies in Acting	3
THR 632	Contemporary Acting II	3
THR 633	Period Acting II	3
THR 690	Graduate Practicum in Theatre ²	6
THR 699	Master Production in Theatre	3
Academic Studies (6 credits)		
Select a minimum of two of the following:		6
THR 500	Theatre History I ³	
THR 501	Theatre History II ³	
THR 502	Theatre History III ³	
THR 505	American Theatre History	

THR 506	Non-Western Theatre and/or Film
THR 587	Theatre Field Studies
THR 601	Drama Theory and Criticism
THR 602	Seminar in Drama and Theatre History
ENG 540	Shakespeare
MST 528	Topics in Film Studies
MUS 665	History of Opera
Supportive Studies (12 credits)	
Select a minimum of four of the following:	
THR 610	Applied Play Directing
THR 534	Acting for the Camera
THR 596	Applied Theatre II
THR 620	Stage Dialects
THR 623	Advanced Physical Violence for the Stage
THR 695	Independent Study
THR 696	Advanced Experimentation
Total Credit Hours	

- ¹ Required if not in an undergraduate academic background. 3 sections, 2 credits each.
- ² 2 sections, 3 credits each.
- ³ Required if not in an undergraduate academic background.

Reviews

All candidates are reviewed each semester for continuance in the program. Reviews assess the candidate's artistic and academic development and success in meeting degree requirements.

Design Concentration

The M.F.A. in Drama with a Design Concentration is a 60 credit hour degree that may be completed in four semesters (two years) for students on assistantships. The Design Concentration is dedicated to developing well-rounded theatre designers within a scenographic tradition. The program affords students the opportunity to develop and demonstrate competencies in the major design elements used in professional theatre production. Students take classes and execute realized productions in the areas of scenery, costume, and lighting design. They are trained as artists and artisans to work in the professional entertainment industry and higher education.

Candidates for the degree are accepted every year.

Code	Title	Credit Hours
Major Studies (45 credits)		
THR 503	Period Styles in Performance Design I	3
THR 504	Period Styles in Performance Design II	3
THR 600	Introduction to Graduate Study	3
THR 655	Scene Design Styles	3
THR 665	Costume Design Styles	3
THR 675	Lighting Design Styles	3
THR 656	Scene Design Application	3
THR 666	Costume Design Application	3
THR 676	Lighting Design Application	3
THR 614	Collaboration in Theatrical Production	3
THR 699	Master Production in Theatre	3

Seminars requirement ¹	12
THR 651 Scene Design Seminar	
THR 660 Costume Design Seminar	
THR 671 Lighting Design Seminar	
Academic Studies (6 credits)	
Select a minimum of two of the following:	6
THR 500 Theatre History I ²	
THR 501 Theatre History II ²	
THR 502 Theatre History III ²	
THR 505 American Theatre History	
THR 506 Non-Western Theatre and/or Film	
THR 587 Theatre Field Studies	
THR 601 Drama Theory and Criticism	
THR 602 Seminar in Drama and Theatre History	
ENG 540 Shakespeare	
MST 520 History of Film to 1938	
MST 521 History of Film since 1938	
MST 528 Topics in Film Studies	
MUS 665 History of Opera	
Supportive Studies (9 credits)	
Select a minimum of three of the following:	9
THR 540 Advanced Stagecrafts	
THR 541 Technical Direction	
THR 542 Scene Painting I	
THR 548 Stage Millinery and Accessories	
THR 549 Historical Costume Pattern Drafting and Draping	
THR 648 Portfolio Preparation for the Theatre and Academia	
THR 695 Independent Study	
THR 651 Scene Design Seminar ³	
THR 660 Costume Design Seminar ³	
THR 671 Lighting Design Seminar ³	
Total Credit Hours	60

¹ Students must take a minimum of 12 credits in Seminars. Two sections at 3 credits each.

² Required if not in undergraduate academic background.

³ Students may take a maximum of 6 additional credits in Seminars.

Reviews

All candidates are reviewed each semester for continuance in the program. Reviews assess the candidate's artistic and academic development and success in meeting degree requirements.

Directing Concentration

The M.F.A. in Drama with a Directing Concentration is a 60 credit hour degree that may be completed in four semesters (two years). Two students are accepted every other year. The Directing Concentration trains advanced directors to work professionally and to teach at the collegiate level. Students direct a production every semester and take a core group of directing and academic studies classes with additional electives chosen in consultation with their advisor. Our relationship with Triad Stage, an Equity company in Greensboro, means that directing students work closely with professional directors, designers, and actors while at UNC Greensboro.

Code	Title	Credit Hours
Major Studies (39 credits)		
THR 503	Period Styles in Performance Design I	3
THR 504	Period Styles in Performance Design II	3
THR 600	Introduction to Graduate Study	3
THR 603	Acting Seminar	3
THR 610	Applied Play Directing	3
THR 611	Advanced Play Directing	3
THR 612	Directing Period Plays	3
THR 613	Directing Seminar	3
THR 614	Collaboration in Theatrical Production	3
THR 631	Studies in Acting	3
THR 690	Graduate Practicum in Theatre *	6
THR 699	Master Production in Theatre	3
Academic Studies (12 credits)		
Select a minimum of four of the following:		12
THR 500	Theatre History I	
THR 501	Theatre History II	
THR 502	Theatre History III	
THR 505	American Theatre History	
THR 506	Non-Western Theatre and/or Film **	
THR 587	Theatre Field Studies	
THR 601	Drama Theory and Criticism (required)	
THR 602	Seminar in Drama and Theatre History	
ENG 540	Shakespeare	
MST 528	Topics in Film Studies	
MUS 665	History of Opera	
Supportive Studies (9 credits)		
THR 584	Theatre Management	3
Select two additional courses in consultation with advisor		6
Total Credit Hours		60

* 3 sections, 2 credits each.

** Required if not in undergraduate academic background.

Reviews

All candidates are reviewed each semester for continuance in the program. Reviews assess candidates artistic and academic development and their success in meeting degree requirements.

Theatre for Youth Concentration

The M.F.A. in Drama with a Theatre for Youth Concentration is a 60 credit hour degree. The program follows the guidelines established by the American Alliance for Theatre and Education and seeks to train theatre artists to take leadership roles in the growing field of theatre for youth. Students will have classes in process drama, theatre for youth, puppetry, and directing, as well as having the opportunity to select electives from a variety of courses. There is a heavy emphasis on directing; directing projects are required each semester. The student and advisor work closely together to develop an individualized program of courses and experiences tailored to meet specific career goals. Internships are required and are individually arranged by the student and advisor.

Candidates are accepted every other year.

Code	Title	Credit Hours
Major Studies (39 credits)		
THR 515	Drama in Education	3
THR 516	Puppetry	3
THR 517	Theatre in Education	3
THR 600	Introduction to Graduate Study	3
THR 610	Applied Play Directing	3
THR 611	Advanced Play Directing	3
THR 613	Directing Seminar	3
THR 614	Collaboration in Theatrical Production	3
THR 615	Advanced Drama in Education	3
THR 617	Trends in Theatre for Young Audiences	3
THR 690	Graduate Practicum in Theatre ¹	6
THR 699	Master Production in Theatre	3
Academic Studies (12 credits)		
Select a minimum of four of the following:		12
THR 500	Theatre History I ²	
THR 501	Theatre History II ²	
THR 502	Theatre History III ²	
THR 505	American Theatre History	
THR 506	Non-Western Theatre and/or Film	
THR 587	Theatre Field Studies	
THR 601	Drama Theory and Criticism ³	
THR 602	Seminar in Drama and Theatre History	
THR 680	Seminar in Playwriting ³	
ENG 540	Shakespeare	
MST 528	Topics in Film Studies	
MUS 665	History of Opera	
Supportive Studies (9 credits)		
Select a minimum of three of the following:		9
THR 584	Theatre Management ³	
THR 621	Advanced Dynamics: Movement	
THR 622	Advanced Dynamics: Voice	
THR 631	Studies in Acting ³	
THR 695	Independent Study	
Total Credit Hours		60

¹ 2 sections, 3 credits each.² Required if not in undergraduate academic background.³ Required courses.

Reviews

All candidates are reviewed each semester for continuance in the program. Reviews assess the candidate's artistic and academic development and success in meeting degree requirements.

JOSEPH M. BRYAN SCHOOL OF BUSINESS AND ECONOMICS

516 Stirling Street
336-334-5338
<http://bryan.uncg.edu>

McRae C. Banks II, *Dean of the School*

William O. Brown, *Associate Dean*

Joseph Erba, *Assistant Dean*

The Bryan School is preparing you to be a new kind of leader, the exceptional problem solver that our organizations and businesses need. We want to make sure that as you expand your leadership ability, you take advantage of everything the Bryan School has developed to support and engage you too take you to the next level of success and impact.

Mission Statement

In the Bryan School of Business and Economics, we create and disseminate knowledge about the theory and practice of business. In addition to our courses and research, we accomplish this through hands-on projects, global experiences, and outreach to the community. Our work produces principled leaders and exceptional problem solvers who have a global perspective, an innovative mindset, a broad understanding of sustainability, and a commitment to improve the organizations in which they work and the communities in which they live.

Student Learning Goals

Each program within the Bryan school has separate learning goals as listed with the degree program. The essential components of a professional education in business (excluding the B.S. and B.A. in Economics, the B.S. in Consumer, Apparel, and Retail Studies and the B.A. in Sustainable Tourism and Hospitality) include common courses for breadth and opportunities for advanced work for depth in the various business disciplines. These core business programs share the following common learning goals:

1. Students will implement the various steps of the critical thinking process, supported by the appropriate use of analytical and quantitative techniques, to formulate recommendations for subsequent decision making.
2. Students will apply appropriate ethical standards when making recommendations for business decision making.
3. Students will evaluate business decisions in the context of sustainability goals, balancing environmental, social, and economic needs, conditions, and potential decision impacts.
4. Students will formulate appropriate strategies, in the context of global issues and forces, to improve business performance in the world economy.
5. Students will explain the roles of innovation and innovation management in achieving successful business strategies, decisions, and performance.
6. Students will be able to plan, schedule, contribute to, and lead projects.

Accreditation

The Bryan School is one of only 183 business schools in the world that is accredited in both business and accounting by AACSB International (The Association to Advance Collegiate Schools of Business), the premier accrediting body for business schools in the world.

Scope

Programs within the Bryan School of Business and Economics prepare students for careers in business and other managed organizations, teaching, and government, or for graduate study. These programs combine the essentials of a professional education and the breadth of general education.

- Accounting and Finance (p. 463)
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 - Accounting, M.S. (p. 467)
- The UNCG MBA Program (p. 468)
 - Business Administration, M.B.A. (p. 469)
 - Health Management, M.S.N./M.B.A. (p. 471)
 - Business Foundations, Post-Baccalaureate Certificate (p. 471)
- Business Undergraduate Minor (p. 472)
- Consumer, Apparel, and Retail Studies (p. 472)
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 - Retailing and Consumer Studies Undergraduate Minor (p. 475)
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- Business Administration, Ph.D. (p. 500)
- Marketing, Entrepreneurship, and Hospitality and Tourism (p. 501)
 - Entrepreneurship, B.S. (p. 502)
 - Marketing, B.S. (p. 504)
- Sustainable Tourism and Hospitality, B.A. (p. 505)
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Enrollment in Bryan School Courses

Enrollment in Bryan School courses requires a minimum cumulative GPA of 2.0 on UNC Greensboro coursework, regardless of the student's major or minor. This includes all courses offered under the following prefixes: ACC, BUS, ECO, ENT, FIN, ISM, MKT, MGT, and SCM. Courses in the Bryan School may have additional prerequisites or enrollment restrictions that are outlined in the university schedule and the description of each course.

Requirements for Majoring or Minor in Bryan School Programs

Students pursuing a major or minor in the Bryan School of Business and Economics must have a cumulative grade point average no less than a 2.0 on UNC Greensboro course work. Requests to major or minor in one of the Bryan School's programs can be made online. After being accepted as a pre-major in the Bryan School, students must then work toward being fully admitted to a specific program of study.

Criteria for Admission to Programs of Study in the Bryan School of Business and Economics

The following are minimum requirements for B.S. programs and B.A. programs (except Consumer, Apparel, and Retail Studies, B.S. and Economics, B.S.) in the Bryan School. Individual programs may have additional requirements.

Bryan School Pre-Admission Courses (29 credit hours)

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter. See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics [†]	
ECO 202	Principles of Macroeconomics [†]	
ECO 250	Economic and Business Statistics I	
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	
Select one of the following:		
ENG 101	College Writing I ^{††}	
FMS 115	Freshman Seminar in Reasoning and Discourse I ^{††}	

RCO 101	College Writing I ^{††}
Completion of one of the following: [*]	
MAT 120	Calculus with Business Applications ^{†††}
MAT 191	Calculus I ^{†††}

- ^{*} Or a grade of C or better in any one of the following courses: MAT 115 (<https://catalog.uncg.edu/search/?P=MAT%20115>), MAT 150 (<https://catalog.uncg.edu/search/?P=MAT%20150>), MAT 151 (<https://catalog.uncg.edu/search/?P=MAT%20151>), or MAT 190 (<https://catalog.uncg.edu/search/?P=MAT%20190>).
- [†] Counts toward GEC GSB requirement.
- ^{††} Counts toward GEC GRD requirement.
- ^{†††} Counts toward GEC GMT requirement.

Application for Admission to Program of Study

Students who have met the admission criteria will be notified of admission into their major by Bryan Undergraduate Student Services at the following intervals:

- by October 15, if completing required admission course work during a fall semester
- by March 15, if completing required admission course work during a spring semester
- by July 15, if completing required admission course work during a summer semester.

Departments may require additional steps in the admission to major process.

Admission to a program of study may be denied in cases where additional enrollments would threaten the academic quality of classes or programs.

Criteria for Continuing in the Bryan School of Business and Economics

Students who have been admitted to the Bryan School of Business and Economics must be in good academic standing at UNC Greensboro, must maintain at least the GPA required for program admission, and must meet the continuation requirements of their programs of study.

Transfers

Since most of the courses in the major are taken during the junior and senior years, transfer students often complete their programs without extending their total stay beyond the usual four years. As a general guide, courses taught mainly to freshmen and sophomores here will usually, but not always, be accepted in transfer from accredited two-year colleges. Courses numbered 300 and above generally will not be accepted in transfer credit from two-year institutions. In order to allow timely completion of the required courses and required prerequisites, transfer students are encouraged to complete MAT 120 (<https://catalog.uncg.edu/search/?P=MAT%20120>) Calculus with Business Applications or MAT 191 (<https://catalog.uncg.edu/search/?P=MAT%20191>) Calculus I prior to transferring.

Second Baccalaureate Degrees

Students pursuing a second bachelor's degree must meet all requirements within the Bryan School. The Bryan School cannot, at this time, accommodate persons who seek only to complete a series of courses in one field (such as Accounting or Information Systems).

Suggested Academic Workload Guidelines

The faculty of the Bryan School of Business and Economics recognizes that many Bryan School students hold jobs to support college expenses. The faculty wishes to emphasize that academic excellence and scholastic achievement usually require a significant investment of time in study, research, and out-of-class projects. To provide guidance to students in planning their academic and work schedules, the faculty of the Bryan School have endorsed the following recommendations:

1. In general, students should plan to devote between 2–3 hours outside of class for each hour in class. Thus, students with a 15 credit hour course load should schedule between 30–45 hours weekly for completing outside-of-class reading, study, and homework assignments.
2. Students who are employed more than 5–10 hours each week should consider reducing their course loads, depending upon their study habits, learning abilities, and course work requirements.
3. Students should take into consideration that many business courses require group work and plan accordingly.

Scholarships and Fellowships

Procedures and requirements for applying for undergraduate scholarships are described in Financial Aid.

Honors Programs

The Bryan School supports and encourages students to participate in the Honors Programs administered by the Lloyd International Honors College.

Additional Information

Additional information regarding academic planning, course sequencing, and course requirements can be found at <http://bryan.uncg.edu/advise>.

Accounting and Finance

Bryan School of Business and Economics

383 Bryan Building
336-334-5647

<http://bryan.uncg.edu/department/accounting-and-finance>

Randal J. Elder, *Department Head*

Amanda Cromartie, *Director of Graduate Study*

Mission Statement

The mission of the Department of Accounting and Finance of the Joseph M. Bryan School of Business and Economics is

1. to provide high quality programs of education for accounting and finance majors at the undergraduate and graduate levels
2. to provide high quality courses to support the UNC Greensboro and Bryan School educational missions as they relate accounting and finance to global processes, sustainable enterprise, innovation and ethical awareness
3. to stimulate and support high quality research, scholarship, and publication
4. to provide service, largely through committee representation to the University, the Bryan School, the Department, the academic accounting and finance communities, and the accounting profession, and

5. to foster faculty interaction with the public in ways which enhance the common good.

The primary goal of the department is to provide programs of quality education in accounting and finance at the undergraduate and graduate levels. The undergraduate program provides an excellent foundation for careers in industry and is sufficiently broad to qualify graduates for a wide range of entry-level, business-related positions; and prepares students for further graduate-level studies in areas such as accounting, finance, law, and business administration.

Our accounting programs are separately accredited by The Association to Advance Collegiate Schools of Business (AACSB), the premier accrediting agency for business programs worldwide. Accounting is the only discipline within business for which separate accreditation is given. With this designation, we are among the top 1% of programs worldwide. We strive to maintain the quality and continuous improvement expected from programs which have achieved AACSB business and accounting accreditation.

The Department of Accounting and Finance also offers a Bachelor of Science degree with a major in finance. The undergraduate finance program deals with the theory, organization, and operation of the financial system from both a market and a managerial viewpoint. Students are expected to develop analytical abilities and to present their analyses in both written and oral form.

Undergraduate majors are offered a broad range of courses from the areas of financial management, financial institutions, and investments.

Graduates may take managerial positions in controllership or treasury work in non-financial businesses as well as a wide array of careers in financial services and banking. In addition, the degree may lead to positions in risk management and real estate departments of public agencies and private corporations as well as insurance and real estate companies.

At the graduate level, the Bryan School offers courses in finance as part of the Master of Business Administration (MBA) program.

Student Learning Goals

Critical thinking, quantitative aptitude, teamwork, and good communication skills are necessary to function effectively in today's highly competitive, global environment. In order to assure that our graduates are prepared to meet the challenges of the future:

- Students will demonstrate problem solving skills and demonstrate technical competence necessary for entry-level accounting careers or entry into graduate programs in accounting.
- Students will demonstrate the ability to communicate effectively and efficiently.
- Students will have an understanding of ethical decision-making and understand the role of professional ethics including the importance of ethical conduct and decisions to the sustainability of the accounting profession.
- Finance students will be able to create forward-looking financial statements.
- Finance students will be able to analyze the current financial condition of the firm.
- Finance students will be able to thoroughly understand the mathematical process and application of capital budgeting.

- Finance Students will thoroughly understand the concepts of the time value of money (TVM), the characteristics of traditional financial securities, and the valuation of these securities.

Professor

William O. Brown^G
 Randy J Elder^G
 Dayong Huang^G
 Venkataraman M. Iyer^G
 Daniel T Winkler^G

Associate Professor

Heng An^G
 Bill Harden^G
 Ambrose Jones^G
 Ayalew Ali Lulseged^G
 David Roy Upton^G

Assistant Professor

Soonchul Hyun
 Lijun Lei^G
 Jay Y Li
 Mengmeng Wang

Lecturer

Patricia Fields Cates
 Amanda L. Cromartie^G
 Jon M. Glazman
 Robert E Lamy^G
 James A. Milanese
 Joshua Peter Moore

^G Graduate-level faculty

- Accounting, B.S. (p. 464)
- Finance, B.S. (p. 466)
- Accounting Undergraduate Minor (p. 467)
- Accounting, M.S. (p. 467)

Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 472).

Accounting Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Accounting; have that accomplishment, along with the title of the Senior Honors Project, noted

on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Ambrose Jones III at ambrose.jones.iii@uncg.edu for further information and guidance about Honors in Accounting. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Accounting, B.S. Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Cumulative GPA of at least 2.0
- Grades of C or better in: ECO 201 and ISM 280
- Grades of C or better in all ACC courses used toward the major

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Bryan School Pre-Admission Courses (29 credit hours)

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter. See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development or Blueprint for Personal and Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics [†]	
ECO 202	Principles of Macroeconomics [†]	
ECO 250	Economic and Business Statistics I	
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	
<i>Select one of the following:</i>		
ENG 101	College Writing I ^{††}	
FMS 115	Freshman Seminar in Reasoning and Discourse I ^{††}	
RCO 101	College Writing I ^{††}	
<i>Completion of one of the following:</i> [*]		
MAT 120	Calculus with Business Applications ^{†††}	
MAT 191	Calculus I ^{†††}	

^{*} Or a grade of C or better in any one of the following courses: MAT 115 (<https://catalog.uncg.edu/search/?P=MAT%20115>), MAT 150 (<https://catalog.uncg.edu/search/?P=MAT%20150>), MAT 151 (<https://catalog.uncg.edu/search/?P=MAT%20151>), or MAT 190 (<https://catalog.uncg.edu/search/?P=MAT%20190>).

[†] Counts toward GEC GSB requirement.

†† Counts toward GEC GRD requirement.

††† Counts toward GEC GMT requirement.

Common Business Core (38 credit hours)

Code	Title	Credit Hours
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies [†]	
MAT 120	Calculus with Business Applications	
or MAT 191	Calculus I	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy ¹	
MKT 309	Business Communications	
MKT 320	Principles of Marketing ²	
PHI 361	Ethical Issues in Business ^{††}	
SCM 302	Operations Management	
<i>Global Sustainability Elective</i>		
One chosen from the list below. ³		
ECO 100	Economics of a Global Sustainable Society	
BUS 130	Entrepreneurship in a Sustainable Global Environment	
GES 162	Introduction to Sustainability	
LLC 120	Global Crossings: Topics in Images, Media, and Texts	
LLC 130	Global Green: Cultures of Production and/or Consumption	
STH 200	Introduction to Sustainable Development	

¹ Sustainable Tourism and Hospitality majors are exempt from the MGT 491 requirement; a similar course, STH 491, is taken within the major requirements.

² All students pursuing the Marketing major must receive a C or better in MKT 320.

³ Or other approved Global Sustainability elective.

[†] Counts toward GEC GRD requirement.

^{††} Counts toward GEC GPR requirement.

Accounting Courses (27 credit hours)

Code	Title	Credit Hours
Required		24
<i>Minimum grade of B- in the following: *</i>		
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
<i>Minimum grade of C in the following:</i>		
ACC 318	Intermediate Accounting I	
ACC 319	Intermediate Accounting II	
ACC 325	Accounting Transaction Processing Systems	
ACC 330	Cost Accounting	

ACC 420	Federal Tax Concepts	
ACC 440	Auditing Concepts	
Select one of the following: **		3
FIN 410	Business Finance II	
FIN 442	Investments	
FIN 450	Derivatives	
Data Analytics Requirement		3
<i>Select one of the following:</i>		
ISM 218	Database Systems	
ISM 425	Business Analytics	
ECO 350	Economic and Business Statistics II	

* Transfer credit, or use of a course to meet a prerequisite, is given for Accounting courses at the 300 level or above only by examination.

** or a 400 level ACC elective

Electives

Electives sufficient to complete 120 total credit hours required for the degree.

Accelerated B.S. to M.S. in Accounting Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Science in Accounting may apply for admission to the Accelerated Degree Program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. The Department of Accounting and Finance also requires an Accounting GPA of 3.5 based on at least 9 credits of accounting classes earned at UNC Greensboro. Students must have completed accounting courses through ACC 318 Intermediate Accounting I with a minimum grade of "B" or better. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the senior year. Applicants will not be required to take the GMAT. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the graduate degree program.

Admitted students may apply a maximum of 6 credits from the following graduate-level courses toward completion of both the undergraduate and graduate degree provided that they earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements of the M.S. in Accounting:

Code	Title	Credit Hours
ACC 621	Accounting Internship	3
ACC 630	Seminar in Contemporary Accounting Issues	3
ACC 638	Information Technology Auditing and Accounting Data Analytics	3
ACC 642	Specialized Accounting Entities	3
ACC 651	Introduction to Business Entity Taxation	3
ACC 688	Advanced Business Law	3

Degree Requirements

Required: 30 credit hours

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program.

All degree requirements for the Master of Science in Accounting remain the same.

Finance, B.S.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum grade of C in all ACC, ECO, and FIN courses at the 300 level or above used toward the major
- At least 50 percent of the business credits required for the degree must be earned at UNC Greensboro.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Bryan School Pre-Admission Courses (29 credit hours)

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter. See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development or Blueprint for Personal and Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics [†]	
ECO 202	Principles of Macroeconomics [†]	
ECO 250	Economic and Business Statistics I	
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	
Select one of the following:		
ENG 101	College Writing I ^{††}	
FMS 115	Freshman Seminar in Reasoning and Discourse I ^{††}	
RCO 101	College Writing I ^{††}	
Completion of one of the following: [*]		
MAT 120	Calculus with Business Applications ^{†††}	
MAT 191	Calculus I ^{†††}	

^{*} Or a grade of C or better in any one of the following courses: MAT 115 (<https://catalog.uncg.edu/search/?P=MAT%20115>), MAT 150 (<https://catalog.uncg.edu/search/?P=MAT%20150>), MAT 151 (<https://catalog.uncg.edu/search/?P=MAT%20151>), or MAT 190 (<https://catalog.uncg.edu/search/?P=MAT%20190>).

[†] Counts toward GEC GSB requirement.

^{††} Counts toward GEC GRD requirement.

^{†††} Counts toward GEC GMT requirement.

Common Business Core (38 credit hours)

Code	Title	Credit Hours
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies [†]	
MAT 120 or MAT 191	Calculus with Business Applications or Calculus I	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy ¹	
MKT 309	Business Communications	
MKT 320	Principles of Marketing ²	
PHI 361	Ethical Issues in Business ^{††}	
SCM 302	Operations Management <i>Global Sustainability Elective</i>	
One chosen from the list below. ³		
ECO 100	Economics of a Global Sustainable Society	
BUS 130	Entrepreneurship in a Sustainable Global Environment	
GES 162	Introduction to Sustainability	
LLC 120	Global Crossings: Topics in Images, Media, and Texts	
LLC 130	Global Green: Cultures of Production and/or Consumption	
STH 200	Introduction to Sustainable Development	

¹ Sustainable Tourism and Hospitality majors are exempt from the MGT 491 requirement; a similar course, STH 491, is taken within the major requirements.

² All students pursuing the Marketing major must receive a C or better in MKT 320.

³ Or other approved Global Sustainability elective.

[†] Counts toward GEC GRD requirement.

^{††} Counts toward GEC GPR requirement.

Finance Courses (15 credit hours)

Code	Title	Credit Hours
Required		9
FIN 330	Financial Institutions and Markets	
FIN 410	Business Finance II	
FIN 442	Investments	
Select at least two additional courses from the following:		6
FIN 335	Entrepreneurial Finance	
FIN 449	Seminar in Finance	
FIN 450	Derivatives	
FIN 493	Honors Work	
FIN 499	Problems in Finance	
ACC 318	Intermediate Accounting I	
ACC 319	Intermediate Accounting II	

ACC 330	Cost Accounting
ACC 420	Federal Tax Concepts
ECO 301	Intermediate Microeconomic Theory
ECO 350	Economic and Business Statistics II

Electives

Electives sufficient to complete 120 total credit hours required for the degree.

Accounting Undergraduate Minor

The accounting minor is available to any UNC Greensboro student, other than ACCT majors, who is in good standing in the University. The minor complements a variety of professional and arts and sciences fields. It focuses on various accounting principles in order for students to be more successful in the professional pursuits.

Program Requirements

- Minimum of 15 credit hours.
- 9 credits must be successfully completed at UNC Greensboro.
- Admission to the minor.
 - See Undergraduate Student Services, 301 Bryan.
- To receive credit for the minor, the student must achieve a grade of B- or better in ACC 201 and ACC 202, as a prerequisite for ACC 318.
 - The student must achieve a grade of C or better in ACC 318.

Code	Title	Credit Hours
Required		15
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ACC 318	Intermediate Accounting I	

Select an additional 6 credits of upper division accounting courses at the 300- or 400-level

Accounting, M.S.

The M.S. in Accounting has a successful tradition as one of the longest running programs in graduate-level accounting education in North Carolina and is among the top 1% of programs worldwide to have separate AACSB accreditation. The program requires 30 credit hours of graduate coursework with a flexible structure designed to be full-time for the intensive student or part-time for the working professional. The program satisfies the 150-hour educational requirement adopted by most states, including North Carolina, for certification and licensure as a CPA. The program has a strong reputation for internships and job placement as well as an excellent record of preparing students to pass the CPA examination. An undergraduate degree in business is not required for successful completion of the program. Students with an undergraduate degree in a non-business field can complete the undergraduate prerequisite accounting courses at UNC Greensboro through this graduate program.

For full-time students, the required graduate-level accounting courses are offered primarily during the day; students with the requisite undergraduate accounting background can complete the program in one year. Part-time students complete one required graduate accounting course a semester on a weeknight; graduate elective courses are also offered on weeknights or online. Students with the requisite

undergraduate accounting background can complete the program in the evening in three years. The length of time necessary to complete the program will depend on the accounting and business administration background possessed by the student as well as the course load chosen by the student.

The M.S. in Accounting program is designed for qualified students from any academic background. Students admitted without the necessary accounting and/or business background will be required to take prerequisite courses in those areas based on the UNC Greensboro Bachelor of Science in accounting curriculum before enrolling in graduate accounting courses. Individual prerequisite needs are assessed by the program director when admission decisions are made.

In addition to the applicant materials required by The Graduate School, applicants must submit a personal statement indicating the reasons for pursuing the M.S. in Accounting degree and a resume.

Applicants who earned membership in Beta Gamma Sigma as undergraduates may request a GMAT/GRE waiver. An applicant with a professional certification (e.g., CPA) in North Carolina OR an advanced degree (M.A., M.Sc., etc. or higher) may request to waive the GMAT/GRE. For advanced degree waiver, the following criteria must be met:

- Advanced degree from at least a regionally accredited institution which required a standardized test (such as the GMAT or equivalent) as an entrance requirement; AND
- A graduate GPA of at least 3.3 out of 4.0; AND
- At least five years of relevant professional work experience; AND
- A demonstration of adequate quantitative ability in the form of a statistics or algebra course at the college-level with a grade of C or better.

For further admissions information and application deadlines, please see the Guide to Graduate Admissions.

Degree Program Requirements

Required: 30 credit hours

Prerequisite Courses

The program requires students to have completed the courses listed below or their equivalent with a grade of B- or higher either before entering or as part of the program. The Intermediate Accounting Prerequisites must be completed at UNCG or any other four-year, accredited institution. Fulfillment of prerequisite requirements will be determined by the Director of Graduate Study or Department Head.

Core Business Prerequisites: Statistics, Economics, Financial Management, Financial Accounting, Managerial Accounting

Intermediate Accounting Prerequisites: Intermediate Accounting I, Intermediate Accounting II, Accounting Transaction Processing Systems, Federal Tax Concepts, Cost Accounting, Auditing Concepts

Core Courses

Code	Title	Credit Hours
Accounting Courses (21-27 credits)		
Students are required to take the following courses, which comprise the capstone experience (students with equivalent coursework may seek a waiver of any of these required courses):		
ACC 630	Seminar in Contemporary Accounting Issues	3

ACC 638	Information Technology Auditing and Accounting Data Analytics	3
ACC 642	Specialized Accounting Entities	3
ACC 651	Introduction to Business Entity Taxation	3
Select one course (3 credits) from the following:		3
ACC 631	Advanced Auditing	
ACC 655	Taxation of Corporations and Shareholders	
ACC 656	Taxation of Flow-Through Business Entities	
Select 6-12 credits from the following: *		6-12
ACC 561	Governmental and Nonprofit Accounting	
ACC 613	Directed Studies in Accounting	
ACC 621	Accounting Internship	
ACC 631	Advanced Auditing	
ACC 646	Advanced Study in Business Environment and Concepts	
ACC 647	Advanced Study in Financial Accounting and Reporting	
ACC 648	Guided Study in Taxation & Business Law	
ACC 649	Advanced Study in Auditing and Attestation	
ACC 652	Taxation of Estates, Gifts and Trusts	
ACC 655	Taxation of Corporations and Shareholders	
ACC 688	Advanced Business Law	
Electives (3-9 credits)		
Select 3-9 credits from graduate courses outside accounting **		3-9
Total Credit Hours		24-36

NOTE: All students must complete 30 credit hours for the M.S. in Accounting. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

* Or other approved graduate-level ACC courses in consultation with the program director.

** With prior approval of the program director.

Accelerated B.S. to M.S. in Accounting Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Science in Accounting may apply for admission to the Accelerated Degree Program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. The Department of Accounting and Finance also requires an Accounting GPA of 3.5 based on at least 9 credits of accounting classes earned at UNC Greensboro. Students must have completed accounting courses through ACC 318 Intermediate Accounting I with a minimum grade of "B" or better. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the senior year. Applicants will not be required to take the GMAT. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the graduate degree program.

Admitted students may apply a maximum of 6 credits from the following graduate-level courses toward completion of both the undergraduate and graduate degree provided that they earn a grade of "B" (3.0) or

better in the course and fulfill graduate-level requirements of the M.S. in Accounting:

Code	Title	Credit Hours
ACC 621	Accounting Internship	3
ACC 630	Seminar in Contemporary Accounting Issues	3
ACC 638	Information Technology Auditing and Accounting Data Analytics	3
ACC 642	Specialized Accounting Entities	3
ACC 651	Introduction to Business Entity Taxation	3
ACC 688	Advanced Business Law	3

Degree Requirements

Required: 30 credit hours

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Science in Accounting remain the same.

The UNCG MBA Program

301 Bryan Building • 336-334-5390 • www.mba.uncg.edu

William Brown, Associate Dean of the Bryan School and MBA Director of Graduate Study

Tuisha Fernades-Stack, Administrative Director

About

The M.B.A. is a professional program built on a strategic management theme. The curriculum emphasizes an interdisciplinary approach to decision making in a changing global environment in which globalization and sustainability are changing the way all organizations function. Students in the Early Career Professional track complete 45 credit hours of course work. The Experienced Professional track requires 42 credit hours of course work and may take up to five years to complete depending on the number of credit hours taken each semester. Concentrations in finance, information technology, business analytics, marketing, and supply chain management are offered both to Early Career Professional and Experienced Professional students.

Graduate Programs

- Post-Baccalaureate Certificate in Business Foundations (12)
- Master of Business Administration (M.B.A.) (33-45)
- Master of Science in Nursing/Master of Business Administration (M.S.N./M.B.A.) in Health Management (62) *[Offered jointly by the Bryan School of Business and Economics and the School of Nursing.]*

The MBA program is a school-wide program composed of all graduate faculty members. Members of the MBA Program Committee are:
Professor

Moses Acquah^G (Department of Management)

William Brown^G (Department of Accounting and Finance)

Jim Boles^G (Department of Marketing, Entrepreneurship, and Hospitality and Tourism)

Vidyaranya Gargeya^G (Department of Information Systems and Supply Chain Management)

Cheryl Nakata^G (Department of Marketing, Entrepreneurship, and Hospitality and Tourism)

Daniel Winkler^G (Department of Accounting and Finance)

Associate Professor

Al Salam^G (Department of Information Systems and Supply Chain Management)

G Graduate-level faculty

- Business Administration, M.B.A. (p. 469)
- Health Management, M.S.N./M.B.A. (p. 471)
- Business Foundations, Post-Baccalaureate Certificate (p. 471)

* *The Health Management, M.S.N./M.B.A. is jointly offered by the UNCG M.B.A. Program in the Bryan School of Business and Economics and the School of Nursing.*

Business Administration, M.B.A.

The Bryan School of Business and Economics offers a Master of Business Administration program with 45 credit hour Early Career Professional track or a 42 credit hour Experienced Professional track. Students may be allowed to waive up to 9 credits of basic level M.B.A. courses based on prior academic accomplishment. A minimum of 36 credits in the Early Career Professional track or 33 credits in the Experienced Professional track must be completed to earn the degree.

Concentrations in finance, information technology, business analytics, marketing, and supply chain management are offered both to Early Career Professional and Experienced Professional students.

The M.B.A. program is designed for qualified students from any academic background.

In addition to the applicant's materials required by The Graduate School, applicants must submit an admission essay indicating the reasons for pursuing the M.B.A. degree and relevant preparation for either the Experienced Professional track or the Early Career Professional track. Qualified applicants to the Experienced Professional track will have relevant managerial experience indicating increasing levels of managerial responsibilities. Qualified applicants to the Early Career Professional track will have five years or less full-time work experience and evidence of leadership potential. An interview may be required.

An applicant that is a member of the Beta Gamma Sigma honor society with a minimum 3.3 GPA out of 4.0:

- No waiver application necessary. BGS must be noted on application for admission and a copy of the BGS certificate must be submitted.

An applicant with a terminal/professional degree such as M.D., J.D., Ed.D., Ph.D., or D.B.A. may request to waive the GMAT/GRE requirement if the applicant has:

- A minimum GPA of 3.0 for these graduate degrees.

An applicant with a master's degree may request to waive the GMAT/GRE requirement if the applicant has:

- A master's degree from at least a regionally accredited institution which required a standardized test (such as the GRE or equivalent) as an entrance requirement; AND
- A graduate GPA of at least 3.0 out of 4.0; AND
- Relevant professional work experience (may include military service), to be determined by the department admission committee; AND

- A demonstration of adequate quantitative ability in the form of a statistics or algebra course at the college-level with a grade of C or better.

An applicant with a bachelor's degree from a regionally accredited institution and significant work experience may request to waive the GMAT/GRE if the applicant has:

- At least seven years of significant progressive professional work experience (may include military service), to be determined by the department admission committee; AND
- A minimum GPA of 3.0

Applicants may be interviewed by the admission subcommittee.

Students are admitted to the Early Career Professional track only in August of each academic year.

Degree Program Requirements

Required: 42-45 credit hours

Students may be allowed to waive up to 9 credits of basic level M.B.A. courses based on prior academic accomplishment. A minimum of 36 credits in the Early Career Professional track or 33 credits in the Experienced Professional track must be completed to earn the degree.

Computer Literacy: M.B.A. degree program students should have a working knowledge of word processing and spreadsheet applications in a PC environment. Familiarity with Excel is required. Students must also be familiar with basic probability and statistics as covered in computer-based training modules.

Early Career Professional Track

Code	Title	Credit Hours
Required Courses (36 credits)		
MBA 701	Quantitative Analysis for Decision Making	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Economic Policies and Impact on Global Outcomes	3
MBA 706	Marketing Management	3
MBA 707	Financial Management	3
MBA 708	Operations for Competitive Advantage	3
MBA 712	Strategic Management	3
MBA 716	Leadership and Sustainable Business	3
MBA 717	Technology and Innovation	3
MBA 718	Global Business in Practice	3
MBA 741	Creating and Sustaining Competitive Advantage *	3
MBA 742	Organizational Internship **	3
Electives (9 credits)		
Select 9 credits		9
Total Credit Hours		45

* *Note: MBA 741 Creating and Sustaining Competitive Advantage indicates Capstone Experience.*

** *Students must complete 3 credits.*

Experienced Professional Track

Code	Title	Credit Hours
Required Courses (33 credits)		
MBA 701	Quantitative Analysis for Decision Making	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Economic Policies and Impact on Global Outcomes	3
MBA 706	Marketing Management	3
MBA 707	Financial Management	3
MBA 708	Operations for Competitive Advantage	3
MBA 712	Strategic Management	3
MBA 716	Leadership and Sustainable Business	3
MBA 717	Technology and Innovation	3
MBA 718	Global Business in Practice	3
MBA 741	Creating and Sustaining Competitive Advantage *	3
Electives (9 credits)		
Select 9 credits		9
Total Credit Hours		42

* Note: MBA 741 Creating and Sustaining Competitive Advantage indicates Capstone Experience.

Electives

With prior approval by the M.B.A. Program Director or Associate Director, a student will select 9 credits of electives. Courses in other departments and schools at the 500-, 600- and 700-level may be taken.

Finance Concentration

Code	Title	Credit Hours
Select 9 credits from the following: *		
MBA 720	Investments	9
MBA 721	Financial Statement Analysis and Valuation	
MBA 723		
MBA 724	Financial Institutions	
Total Credit Hours		9

* Other appropriate courses as approved by the M.B.A. Program Director or Associate Director.

Business Analytics Concentration

Code	Title	Credit Hours
Required Courses (6 credits)		
ISM 645	Principles of Predictive Analytics	3
ISM 646	Visualizing Data to Design Strategy	3
Select 3 credits from the following: *		
ISM 671	Organizing Data for Analytics	3
ISM 688	Projects in Business Analytics	
MBA 730	Marketing Research	
ECO 643	Econometric Methods	
Total Credit Hours		9

* Other appropriate courses as approved by the M.B.A. Program Director or Associate Director.

Information Technology Concentration

Code	Title	Credit Hours
Select 9 credits from the following: *		
ISM 645	Principles of Predictive Analytics	9
ISM 665	Principles of Cyber Security	
ISM 671	Organizing Data for Analytics	
ISM/ENT 672	App Design and Programming	
ISM 673	Designing Secure Computer and IoT Networks for Business	
Total Credit Hours		9

* Other appropriate courses as approved by the M.B.A. Program Director or Associate Director.

Marketing Concentration

Code	Title	Credit Hours
Select 9 credits from the following: *		
MBA 730	Marketing Research	9
MBA 731	Brand Management	
MBA 732	Consumer Behavior	
MBA 733	International Marketing Management	
Total Credit Hours		9

* Other appropriate courses as approved by the M.B.A. Program Director or Associate Director.

Supply Chain Management Concentration

Code	Title	Credit Hours
Select 9 credits from the following:		
SCM 650	Principles of Supply Chain Management	9
SCM 651	Analytics for Logistics and Distribution Management	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	
SCM 678	Project Management for Dynamic Environments	
Total Credit Hours		9

Accelerated B.A. or B.S. to M.B.A. in Business Administration

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Arts in Sustainable Tourism and Hospitality or the Bachelor of Science in Accounting, Business Administration, Entrepreneurship, Finance, Information Systems and Supply Chain Management, International Business, or Marketing may apply for admission to the Accelerated Degree Program (ADP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNCG is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants are not required to take the Graduate Management Admission Test. All applicants must submit the Request for Accelerated Degree

Program to the Graduate School and must simultaneously apply for admission to the graduate degree program.

Admitted students may apply up to, but not more than, 9 credits of graduate-level coursework towards completion of both the undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The following courses may be counted towards both the B.A or B.S. and the M.B.A. degrees:

Code	Title	Credit Hours
MBA 706	Marketing Management	3
MBA 716	Leadership and Sustainable Business	3
MBA 718	Global Business in Practice	3

Degree Requirements

Please consult with an advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Business Administration degree remain the same.

Health Management, M.S.N./M.B.A.

The combined M.S.N./M.B.A. is offered jointly by the School of Nursing and the Bryan School of Business and Economics and requires a minimum of 62 credit hours.

Please refer to the preceding enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

Applicants must meet the following requirements:

- Current unrestricted licensure as a registered nurse in one of the 50 states or validated credentials by CGFNS for international students. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.
- Minimum of one year full time clinical nursing experience.
- Satisfactory MAT/GRE score.
- A personal statement of 400 words or less that comments on applicant's nursing background and discusses future goals.
- A resume.
- An interview is required for selected applicants. An inferential statistics course and health assessment course at the undergraduate level are required prerequisite courses.
- A minimum of 3.2 GPA is required from the undergraduate nursing program.
- Three professional nursing references (mix of educational and professional sources).

- Nonresidential international students are required to participate in a telephone interview.

Degree Program Requirements

Required: 62 credit hours

Computer Literacy

Upon entry to the M.S.N./M.B.A. in Health Management degree program, students should have a working knowledge of word processing and spreadsheet applications in a PC environment. Familiarity with Excel is required.

Statistics

ECO 250 Economic and Business Statistics I or Pre-M.B.A. workshop in statistics is recommended to meet the program prerequisite for statistics.

Code	Title	Credit Hours
Required Courses (62 credits)		
NUR 540	Financial Management in Healthcare	3
NUR 607	Interprofessional/Interdisciplinary Collaboration and Negotiation	3
NUR 609	The Role of the Nurse Leader in Advanced Quality and Safety	4
NUR 614	Information Technology in Nursing Administration	3
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 641	Leadership and Management Essentials in Healthcare: Theories and Roles	4
NUR 644	Organizational Leadership and Management	4
NUR 645	Strategic Management of Health Care Organizations	4
NUR 646		4
NUR 715	Research Methods in Nursing	3
MBA 701	Quantitative Analysis for Decision Making	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Economic Policies and Impact on Global Outcomes	3
MBA 706	Marketing Management	3
MBA 707	Financial Management	3
MBA 708	Operations for Competitive Advantage	3
MBA 712	Strategic Management	3
MBA 717	Technology and Innovation	3
MBA 741	Creating and Sustaining Competitive Advantage	3
Total Credit Hours		62

Required Withdrawal

Please refer to the Required Withdrawal section listed in the M.S.N. requirements.

Business Foundations, Post-Baccalaureate Certificate

The purpose of 12 credit hour Post-Baccalaureate Certificate in Business Foundations is to provide professionals who have a bachelor's degree

in a non-business field the opportunity to acquire education in business administration without committing to the lengthier M.B.A. program.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit an admission essay indicating the reasons for pursuing the certificate. An interview may be required.

Qualified applicants will have relevant managerial experience indicating increasing levels of managerial responsibilities.

Current students in the M.B.A., M.S. in accounting, or M.S. in information technology and management programs will not be eligible for the Post-Baccalaureate Certificate. Course work taken as part of the certificate program may be applied towards the M.B.A. degree in accordance with the policies of The Graduate School.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (12 credits)		
Select 4 courses (12 credits) from the following:		12
MBA 701	Quantitative Analysis for Decision Making	
MBA 702	Financial and Managerial Accounting	
MBA 703	Economic Policies and Impact on Global Outcomes	
MBA 716	Leadership and Sustainable Business	
MBA 717	Technology and Innovation	
MBA 718	Global Business in Practice	
Total Credit Hours		12

Business Undergraduate Minor

The Business Minor, consisting of 21 credit hours, is available for majors outside the Bryan School of Business and Economics who are in good standing in the university and are NOT one of the following majors:

- Accounting
- Business Administration
- Entrepreneurship
- Finance
- International Business Studies
- Information Systems and Supply Chain Management
- Marketing

The minor complements a variety of professional and arts and sciences fields.

Admission to the Minor

See Bryan School Undergraduate Student Services Office, Room 301, Bryan Building.

Admission to the minor may be denied in cases where additional enrollments would threaten the academic quality of classes or programs.

Program Requirements

- Minimum of 21 credit hours
- Completion of the courses below.
- Cumulative GPA of 2.0 in all courses taken for the Business minor
- 9 credits of the minor course work must be successfully completed at UNC Greensboro.

Code	Title	Credit Hours
Required		12
ECO 101 or ECO 201	Introduction to Economics Principles of Microeconomics	
ISM 110	Business Computing I	
ACC 202	Managerial Accounting	
ACC 201 or ACC 218	Financial Accounting Financial Statement Preparation and Disclosures	

Business Electives 9

Select 9 additional credits from the following course prefixes: ACC, BUS, ENT, FIN, ISM, MGT, MKT, or SCM

Consumer, Apparel, and Retail Studies

Bryan School of Business and Economics

210 Stone Building
336-334-5250
<http://bryan.uncg.edu/cars>

Nancy Hodges, *Department Chair*
Kittichai Watchravesringkan, *Director of Graduate Study*

The Consumer, Apparel, and Retail Studies Department offers two concentrations: Apparel Design and Retailing & Consumer Studies. These concentrations prepare students for positions with companies that focus on the process of concept to consumer for apparel and consumer-related products. Graduates may take positions in apparel design, apparel product development, fashion trend forecasting and analysis, quality control, sourcing, merchandising, buying, and retail management.

During the first two years of study, students will complete the majority of their general education requirements and begin introductory consumer, apparel, and retailing courses. In order to develop a strong knowledge base and build upon previously learned concepts, many of these courses are sequential and must be completed in the established order.

International exposure is built into the curriculum. Study of foreign languages is encouraged and international study experiences are possible. All majors take supporting courses in the Bryan School of Business and Economics. Students in the Retailing and Consumer Studies concentration can elect to fulfill a business minor with two additional Business electives.

Internship experiences are required of all CARS students through a structured two-course sequence that includes a professional development class that prepares them both to find internships and to achieve successful internship experiences. The CARS Internship Program Coordinator structures and supervises internships to ensure quality experiences. Because of the proximity to North Carolina's strong apparel and retailing industries, the majority of students have internships within

the state; however, the long-standing relationships between CARS and the apparel, fashion, and retailing industries link students to opportunities for out-of-state internships in such exciting places as New York City, Atlanta, and the West Coast.

The Department of Consumer, Apparel, and Retail Studies offers graduate programs leading to a Post-Baccalaureate Certificate and the Master of Science and Doctor of Philosophy degrees. Course work and research focus on primary concepts in the study of consumer, apparel, and retailing, integrating perspectives from the social sciences, business, economics, and humanities.

Graduate courses focus on consumer, apparel, and retail issues with emphasis on consumer behavior and marketing. Students are encouraged to select supporting course work in related disciplines such as business, economics, sociology, psychology, anthropology, statistics, and information science.

Professor

Elena Egorovna Karpova, *Professor and Putnam and Hayes Distinguished Professor*

Nancy Nelson Hodges, *Burlington Industry Professor and Professor^G*

Associate Professor

Melanie R. Carrico^G

Jin Su^G

Tu Watchravesringkan^G

Assistant Professor

Haeun Bang

Lecturer

Jarrod D Hyman

Trish W Kemerly

Anne Mitchell Wood

^G Graduate-level faculty

- Consumer, Apparel, and Retail Studies, B.S. (p. 473)
- Retailing and Consumer Studies Undergraduate Minor (p. 475)
- Retail Studies, M.S. (p. 475)
- Consumer, Apparel, and Retail Studies, Ph.D. (p. 476)
- Global Apparel Supply Chain Management, Post-Baccalaureate Certificate (p. 477)

Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 472).

Consumer Apparel and Retail Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	

6 credits of Honors course work in the major	6
3 credits of Honors course work in the major or another area	3

Recognition

Receive a Certificate of Disciplinary Honors in Consumer Apparel and Retail Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Kittichai Watchravesringkan at k_watchr@uncg.edu for further information and guidance about Honors in Consumer Apparel and Retail Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Consumer, Apparel, and Retail Studies, B.S.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Only grades of C (2.0) or higher in CRS, APD, and RCS courses will count toward completion of the CARS major and concentrations.
- A grade of C (2.0) or higher is required in MAT 115.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

- A grade of C in MAT 115 is required.

Code	Title	Credit Hours
Core Courses		27
CRS 242	Design Principles and Technology	
CRS 211	Textile Science: From Fiber to Finish	
CRS 221	Culture, Human Behavior, and Clothing	
CRS 231	Introduction to Apparel and Related Industries: From Concept to Consumer	
CRS 255	Consumer Behavior in Apparel and Related Industries	
or CRS 262	Fashion Marketing and Communication	
CRS 312	Technical Apparel Analysis	
CRS 331	Professional Development: Consumer, Apparel, and Retail Industries	
CRS 363	Global Sourcing of Apparel and Related Consumer Products	
CRS 481	Contemporary Professional Issues in Consumer, Apparel, and Retail Studies	
Internship		6
CRS 332	Internship: Consumer, Apparel, and Retail Industries*	

Related Area Courses		12
CST 105	Introduction to Communication Studies [†]	
ISM 110	Business Computing I	
MAT 115	College Algebra (or higher) ^{**} , ^{††}	
PSY 121	General Psychology ^{†††}	
or SOC 101	Introduction to Sociology	
Select one of the following:		
MGT 312	Organizational Behavior	
MGT 354	Diversity and Inclusion in Organizations	
MKT 309	Business Communications	
BUS 240	Introduction to the Entrepreneurial Experience	

* May replace CRS 332 with 6 credits of approved electives earned while studying abroad. These courses may not be used to satisfy any other degree requirements.

** A grade of C is required.

[†] Counts toward GEC GRD requirement.

^{††} Counts toward GEC GMT requirement.

^{†††} Counts toward GEC GSB requirement.

Concentration

Select one of the concentrations as detailed following the major requirements.

- Apparel Product Design
- Retailing and Consumer Studies

Electives

Electives as detailed in the concentration requirements.

Apparel Design Concentration Requirements

Code	Title	Credit Hours
Required		21
APD 200	Fundamentals of Apparel Product Development	
APD 244	Visual Communication for the Textile Products Industry	
APD 251	Studio I: Garment Construction	
APD 252	Studio II: Patternmaking and Draping	
APD 310	Portfolio Development for Apparel Design	
APD 341	Studio III: Advanced Patternmaking and Draping	
APD 443	Studio IV: Creative and Technical Design	

Electives

- 9 credits of electives required from APD, CRS, or RCS courses in the CARS major
- One required elective from MKT, MGT, or ECO
- Electives should be sufficient to complete the 120 credit hours required for the degree

Retailing and Consumer Studies Concentration Requirements

Code	Title	Credit Hours
Area of Emphasis		15–24
Select one of the three Professional Emphasis Areas (detailed requirements below).		
Related Area Requirements		12
ACC 201	Financial Accounting	
ECO 201	Principles of Microeconomics	
ECO 250	Economic and Business Statistics I	
MKT 320	Principles of Marketing	

Professional Emphasis Areas

Code	Title	Credit Hours
Merchandising Management Professional Emphasis Area (default option)		24
RCS 264	Fashion Retail Management	
RCS 361	Fundamentals of Retail Buying and Merchandising	
RCS 363	Visual Merchandising and Product Presentation	
RCS 460	Advanced Retail Buying and Merchandising	
RCS 484	Advanced Retail Analysis	
Global Retail Management Professional Emphasis Area		18
RCS 264	Fashion Retail Management	
RCS 361	Fundamentals of Retail Buying and Merchandising	
RCS 464	Global Retail Strategy and Management	
RCS 484	Advanced Retail Analysis	
Plus satisfactory completion of 6 credit hours of foreign language at the 300 level or above		
Retail and Consumer Data Management Professional Emphasis Area		15
RCS 264	Fashion Retail Management	
RCS 361	Fundamentals of Retail Buying and Merchandising	
RCS 355	Retail Consumer Research	
CRS 405	Retail Data Analytics	
RCS 484	Advanced Retail Analysis	

Electives

- 9 credits of electives required from APD, CRS, or RCS courses in the CARS major.
- One required elective from MKT, MGT, or ECO to complete the requirements for a minor in Business, if the minor is desired.
- Electives should be sufficient to complete the 120 credit hours required for the degree.

Accelerated B.S. to M.S.

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Science in Consumer, Apparel and Retail Studies may apply for admission to the Accelerated Degree Program (ADP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 hours earned at UNC Greensboro is required. Applicants must have completed at least 60 semester credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants are not required to take the Graduate Record Examination. All applicants must submit

the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the graduate degree program.

Admitted students may apply up to, but not more than, 12 credit hours of graduate-level coursework towards completion of both the undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The following courses may be counted towards both the B.S. and the M.S. degrees:

Code	Title	Credit Hours
CRS 620	Analysis of Apparel and Related Industries	3
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
RCS 560	Advanced Retail Buying and Merchandising	3
RCS 584	Advanced Retail Analysis	3
RCS 662	Behavior-Soft Lines Consumers	3
CRS 605	Retail Data Analytics	3

Degree Program Requirements

Please consult with an advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Science in Retail Studies remain the same.

Retailing and Consumer Studies Undergraduate Minor

Program Requirements

- Minimum of 15 credit hours
- Majors in programs outside of the Consumer, Apparel, and Retail Studies Department may elect to add a minor in Consumer, Apparel, and Retail Studies by completing 15 credits, one course of which must be at the 400-level.

Code	Title	Credit Hours
Required		6
CRS 231	Introduction to Apparel and Related Industries: From Concept to Consumer	
CRS 255	Consumer Behavior in Apparel and Related Industries	
<i>The remaining credits can be selected from the courses listed below. *</i>		9
CRS 211	Textile Science: From Fiber to Finish	
CRS 221	Culture, Human Behavior, and Clothing	
CRS 262	Fashion Marketing and Communication	
CRS 321	Social Psychology of Dress	
CRS 372	Survey of Historic Costume	
CRS 470	Apparel Brand Management	

* Provided prerequisites are met.

Retail Studies, M.S.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a current resume and a one to two-page goals statement. Statements should clearly outline career goals, relevant work experience, and reasons for pursuing a graduate degree; address why the Consumer, Apparel and Retail Studies program is of interest; and include specific areas of research interest related to the department's graduate program emphasis. Of the three letters of reference, one should be written by a former instructor or academic contact.

Degree Program Requirements

Required: 30 credit hours

Thesis Option

The M.S. in Consumer, Apparel, and Retail Studies, thesis option, requires a minimum of 30 credit hours and focuses on research issues in consumer, apparel, and retailing. It is designed to provide students with the necessary knowledge and skills to pursue careers in academics and business.

Code	Title	Credit Hours
Required Core Courses (12 credits)		
RCS 662	Behavior-Soft Lines Consumers	3
CRS 620	Analysis of Apparel and Related Industries	3
CRS 630 (COURSE INACTIVE)		3
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
Required Research Techniques (9-11 credits)		
CRS 605	Retail Data Analytics	3
Select one option (6 credits) of the following:		6
<i>Option 1:</i>		
ERM 680	Intermediate Statistical Methods in Education	
ERM 681	Design and Analysis of Educational Experiments	
<i>Option 2:</i>		
MBA 701	Quantitative Analysis for Decision Making	
ERM 681	Design and Analysis of Educational Experiments	
Electives (3 credits)		
Select three credits from available CRS 600-and 700-level courses *		3
Thesis (Capstone Experience) (6 credits)		
CRS 699	Thesis	6
Total Credit Hours		30

* As approved by the student's chair in consultation with the committee.

Thesis Advisory Committee

The student will select a graduate advisor and two other graduate faculty members to serve as a Thesis Advisory Committee. The graduate advisor must be from the Department of Consumer, Apparel, and Retail Studies. The committee must be chosen and a program of study approved no later than the second semester enrolled in graduate courses.

Global Apparel and Retail Management Concentration (Non-Thesis Option)

Required: 30 credit hours

The concentration in Global Apparel and Retail Management provides a non-thesis option for the M.S. in Retail Studies. The concentration requires 30 credit hours of online coursework and provides state-of-the-art skills for decision making in global apparel management with a consumer focus. Additionally, the concentration requires an applied industry practicum which serves as a capstone experience. In addition, students in this concentration have two tracks to choose from: Merchandising and Brand Management and Retail and Consumer Data Management.

Merchandising and Brand Management Track

Code	Title	Credit Hours
Required Core Courses (18 credits)		
CRS 570	Apparel Brand Management	3
CRS 620	Analysis of Apparel and Related Industries	3
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
RCS 560	Advanced Retail Buying and Merchandising	3
RCS 584	Advanced Retail Analysis	3
RCS 662	Behavior-Soft Lines Consumers	3
Elective Courses (6 credits)		
Select 6 credits from the following:		6
SCM 650	Principles of Supply Chain Management	
SCM 651	Analytics for Logistics and Distribution Management	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	
MBA 706	Marketing Management	
MBA 716	Leadership and Sustainable Business	
MBA 730	Marketing Research	
Capstone (6 credits)		
CRS 632	Supervised Industry Practicum in Consumer, Apparel, and Retail Studies **	6
Total Credit Hours		30

Retail and Consumer Data Management Track

Code	Title	Credit Hours
Required Core Courses (18 credits)		
CRS 605	Retail Data Analytics	3
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
RCS 560	Advanced Retail Buying and Merchandising	3
RCS 662	Behavior-Soft Lines Consumers	3
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3
Elective Courses (6 credits)		
Select 6 credits from the following: *		6
SCM 650	Principles of Supply Chain Management	
SCM 651	Analytics for Logistics and Distribution Management	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	
Capstone (6 credits)		

CRS 632	Supervised Industry Practicum in Consumer, Apparel, and Retail Studies **	6
Total Credit Hours		30

* Or data analytics courses as approved.

** Students must demonstrate a broad knowledge of the material covered in the curriculum by undertaking an approved industry practicum. A formal contract will be established between the CARS graduate program committee and each student to clearly define the scope and requirements for the project. The student will be permitted to enroll in CRS 632 Supervised Industry Practicum in Consumer, Apparel, and Retail Studies once the Required Core Courses are complete.

Accelerated B.S. to M.S.

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Science in Consumer, Apparel and Retail Studies may apply for admission to the Accelerated Degree Program (ADP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 hours earned at UNC Greensboro is required. Applicants must have completed at least 60 semester credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants are not required to take the Graduate Record Examination. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the graduate degree program.

Admitted students may apply up to, but not more than, 12 credit hours of graduate-level coursework towards completion of both the undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The following courses may be counted towards both the B.S. and the M.S. degrees:

Code	Title	Credit Hours
CRS 620	Analysis of Apparel and Related Industries	3
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
RCS 560	Advanced Retail Buying and Merchandising	3
RCS 584	Advanced Retail Analysis	3
RCS 662	Behavior-Soft Lines Consumers	3
CRS 605	Retail Data Analytics	3

Degree Program Requirements

Please consult with an advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Science in Retail Studies remain the same.

Consumer, Apparel, and Retail Studies, Ph.D.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a current resume and a one to two-page goals

statement. Statements should clearly outline career goals, relevant work experience, and reason for pursuing a graduate degree; address why the Consumer, Apparel and Retail Studies program is of interest; and include specific areas of research interest related to the department's graduate program emphasis. Of the three letters of reference, one should be written by a former instructor or academic contact.

Degree Program Requirements

Required: 60 credit hours minimum (90 credits minimum beyond the B.S.)

Code	Title	Credit Hours
Required Core Courses (21 credits)		
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
CRS 701	Literature and Thought in Consumer, Apparel, and Retail Studies	3
CRS 712	Theory Development in Consumer, Apparel, and Retail Studies	3
CRS 713	Qualitative Methodology in Consumer, Apparel, and Retail Studies	3
CRS 714	Advanced Quantitative Methods in Consumer, Apparel, and Retail Studies	3
CRS 721	Consumer Behavior in Apparel and Retailing	3
RCS 662	Behavior-Soft Lines Consumers	3
Research Techniques (9 credits)		
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	3
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	3
STA 671	Multivariate Analysis	3
Cognate Area (9 credits)		
Select 9 credits *		9
Electives (3 credits)		
Select 3 credits from available CRS 600-and 700-level courses **		3
Research and Dissertation (15 credits)		
Select 15 credits of the following:		15
CRS 790	Independent Doctoral Research	
CRS 799	Dissertation	
Teaching (3 credits)		
CRS 765	College Teaching Practicum in Consumer, Apparel, and Retail Studies	3
Total Credit Hours		60

* In consultation with the student's chair and Advisory/Dissertation Committee, the student will identify a supporting area that will enrich and expand his or her research interest. The student will take a minimum of 9 credits within this area.

** As approved by the student's chair in consultation with the Advisory/Dissertation Committee.

Preliminary and Final Oral Examination Advisory/Dissertation Committee

The student should consult the Advisory/Dissertation Committee information in the University Catalog. The graduate advisor must be from the Department of Consumer, Apparel, and Retail Studies and one

member must be from outside the CARS Department. The committee must be chosen no later than upon the completion of the first 18 credits.

Global Apparel Supply Chain Management, Post-Baccalaureate Certificate

The online graduate certificate in Global Apparel Supply Chain Management consists of a minimum of 15 credit hours of coursework. It is intended for professionals with a bachelor's degree from an accredited institution working in any field who are interested in gaining state-of-the-art, product-specific knowledge to address issues and problems within the global industry supply chain.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 15 credit hours

Code	Title	Credit Hours
Required Core Courses (9 credits)		
CRS 620	Analysis of Apparel and Related Industries	3
RCS 662	Behavior-Soft Lines Consumers	3
RCS 584	Advanced Retail Analysis	3
or RCS 560	Advanced Retail Buying and Merchandising	
Electives (6 credits)		
SCM 650	Principles of Supply Chain Management	3
Select one (3 credits) of the following:		3
SCM 651	Analytics for Logistics and Distribution Management	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	
Total Credit Hours		15

Economics

Bryan School of Business and Economics

462 Bryan Building
336-256-1010
<http://economics.uncg.edu>

Jeremy W. Bray, Department Head
Dennis P. Leyden, Director of Graduate Study

Mission

The Department of Economics supports the teaching, research, and service missions of the university and the Bryan School of Business and Economics. The department's undergraduate courses and programs prepare students for the competitive global marketplace, career and professional development, and graduate education. Its innovative graduate programs, the M.A. in Applied Economics and the Ph.D. in Economics with a focus on applied microeconomics, provide students with a mastery of advanced empirical and analytical methods so they can conduct high-quality research and contribute to the knowledge base in business, government, nonprofit, and research settings. The department

conducts high-quality nationally recognized research that supports its academic programs, promotes economic understanding, and fosters economic development in the Triad and in the State.

Undergraduate

Economics is a discipline concerned with the choices made by people, firms, and governments and with public policies that affect those choices including protection of the environment, the quality and cost of health care, business productivity, inflation and unemployment, poverty, globalization, and the material well-being of the residents of the nation and of the planet. The Department of Economics offers both Bachelor of Science in Economics (B.S.) and Bachelor of Arts in Economics (B.A.) undergraduate degrees through the Bryan School of Business and Economics. These undergraduate programs prepare students for careers in business, government, or not-for-profit organizations that involve the application of economic analysis and methods or for entry into post graduate degree programs.

Undergraduate Student Learning Goals

Critical thinking, quantitative analysis, communication skills, and economic reasoning are highly valued in the competitive global economy. In order to prepare our students for their careers and possible future graduate work, our B.A. and B.S. graduates will be able to:

- Identify economic issues
- Analyze economic issues
- Propose policies to address economic issues
- Communicate effectively about economic issues

Accelerated Degree Program (A.D.P.)

The department offers an Accelerated Degree Program (A.D.P.) that allows exceptional UNC Greensboro undergraduate students to complete a bachelor's degree and the M.A. in Applied Economics in 5 years with only two additional semesters of coursework beyond the bachelor's degree. Students interested in this program or the UNC Greensboro M.A. in Applied Economics program are encouraged to speak with economics faculty or an advisor early in their undergraduate studies for course selection and sequencing.

Graduate

The faculty of the Department of Economics has an established national reputation for scholarship in applied microeconomic research. The department's graduate programs are specially focused on developing the theoretical and econometric tools required to formulate and interpret quality empirical research and the data handling and communication skills required to conduct and disseminate the outcomes of that research.

Programs of study offered by the Department of Economics at the graduate level include both a Master of Arts in Applied Economics (M.A.) and Doctor of Philosophy in Economics (Ph.D.) Students without a completed master's degree in economics can apply directly to the Ph.D. program through the M.A. in Applied Economics (Doctoral Track). This enables prospective students with only a bachelor's degree to be admitted to the Ph.D. program and complete the M.A. in Applied Economics degree as part of their graduate plan of study.

Professor

Jeremy W. Bray, *Professor and Jefferson-Pilot Excellence Professor*^G
Stephen Paul Holland^G
Al Link, *Virginia Batte Phillips Distinguished Professor*^G
Kenneth A. Snowden^G

Associate Professor

Dora Gicheva^G
Stephen K. Layson^G
Dennis Patrick Leyden^G
Christopher Aaron Swann^G

Assistant Professor

Martin Sparre Andersen^G
Berrak Bahadir^G
Marie C. Hull^G
Matthew Arnold Schaffer^G
Martijn Van Hasselt^G

Senior Lecturer

Jeff K. Sarbaum^G

Lecturer

Eric S Howard

^G Graduate-level faculty

- Economics, B.A. (p. 479)
- Economics, B.S. (p. 481)
- Economics Undergraduate Minor (p. 483)
- Applied Economics, M.A. (p. 483)
- Economics, M.A./Ph.D. (p. 485)
- Economics, Ph.D. (p. 485)

Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 472).

Economics Disciplinary Honors Requirements

- A minimum of 15 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
Select 6 credits of honors course work in the major		6
Select 3 credits of honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Economics; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

For more information on Disciplinary Honors in Economics, students are encouraged to contact the department honors liaison, Jeremy Bray at jwbray@uncg.edu

To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Economics, B.A.

The Bachelor of Arts (B.A.) in Economics degree builds on a comprehensive liberal arts education in the sciences, humanities, and arts and develops the student's ability to apply economic reasoning and analysis to issues of concern in economics, public and social policy, and other disciplines in the humanities and social sciences. The B.A. in Economics provides the flexibility to take courses outside the department and the opportunity to double major in disciplines outside the Bryan School of Business & Economics. Students in the B.A. program can choose to double major in the liberal arts, the social sciences, or the natural sciences.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A cumulative GPA of at least 2.0
- At least 15 credits of economics must be earned at UNC Greensboro.
- Grades of C (2.0) or better in each ECO course used to meet major requirements.

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	

Major Requirements

Code	Title	Credit Hours
Required		27
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics [†]	
ECO 250	Economic and Business Statistics I	
ECO 301	Intermediate Microeconomic Theory	
ECO 302	Intermediate Macroeconomic Theory	
ECO 350	Economic and Business Statistics II	
ECO 498	Seminar in Economics	
<i>Select additional 6 credits of Economics electives at the 300 level or above</i>		
Related Area Requirements		6
ISM 110	Business Computing I	
MAT 120	Calculus with Business Applications ^{†††}	
	or MAT 191 Calculus I	

[†] Counts toward GEC GSB requirement.

^{††} Counts toward GEC GPR requirement.

^{†††} Counts toward GEC GMT requirement.

Electives

Electives sufficient to complete 120 total credit hours required for degree.

Advising

A Plan of Study for the Economics B.A. degree should be developed in consultation with a Bryan Undergraduate Student Services Advisor

(<https://bryan.uncg.edu/current-students/advising>). It is strongly encouraged for students to meet with an Adviser at least once per academic term. Economics faculty are also available to discuss ECO course sequencing, elective decisions, preparation for economics graduate programs, or career discussions. Students may contract the Department of Economics by telephone at 336-256-1010 or email economics@uncg.edu to make arrangements to speak with a department faculty member.

A bachelor's in economics degree requires the application of Calculus in upper-level economics courses (e.g. ECO 301). Students should plan to complete a minimum level of MAT 120 or MAT 191 coursework by the end of their Junior year in order to meet the prerequisites of the program's core curriculum. For this reason, it is highly recommended to begin mathematics courses early in your academic career and to continue to build on this quantitative skill set. For students who may need remedial review of mathematics as it is applied to economics or who may have placed lower in the math placement test are advised to register for ECO 219 within their first year. Introductory-level economics courses may be taken as early as the first semester.

Program Required Economics Coursework

Code	Title	Credit Hours
ECO 201 & 201R	Principles of Microeconomics and Principles of Microeconomics Recitation	
ECO 202	Principles of Macroeconomics	
ECO 250 & 250R	Economic and Business Statistics I and Econ/Bus Stats I Recitation (prereq ECO 219 or MAT 115+)	
ECO 301	Intermediate Microeconomic Theory (prereq ECO 201; ECO 219 or MAT 120 or MAT 191)	
ECO 302	Intermediate Macroeconomic Theory (prereq ECO 202)	
ECO 350	Economic and Business Statistics II (prereq ECO 250)	
ECO 498	Seminar in Economics (capstone course, prereq: ECO 301, ECO 302, ECO 350)	
Select an additional 6 credits of Economics electives at the 300 level or above		

Graduate Program Preparation

Students planning to extend their studies to a graduate program (such as the Master's in Applied Economics) should select economics elective coursework to better prepare for the program: ECO 319 and ECO 355.

Additional upper-level mathematics courses can be highly beneficial when preparing for graduate studies.

Year One		Credit Hours
Fall		
BUS 115	Blueprint for Personal Development	1

ECO 201 & 201R	Principles of Microeconomics and Principles of Microeconomics Recitation	3
ECO 219	Essential Mathematics for Economics	3
ISM 110	Business Computing I	3
CST 105	Introduction to Communication Studies	3
Free Elective		1
	Credit Hours	14
Spring		
ECO 202	Principles of Macroeconomics	3
MAT 115	College Algebra	3
ENG 101	College Writing I	3
WI—Writing Intensive		3
GHP—Historical Perspectives		3
Free Elective		3
	Credit Hours	18
Year Two		
Fall		
BUS 215	Blueprint for Professional Development	1
ECO 301	Intermediate Microeconomics Theory	3
MAT 151	Precalculus II	3
GNS + Lab—Natural Sciences		4
Free Elective		3
	Credit Hours	14
Spring		
ECO 250 & 250R	Economic and Business Statistics I and Econ/Bus Stats I Recitation	3
ECO 302	Intermediate Macroeconomics Theory	3
MAT 191	Calculus I	3
GFA—Humanities and Fine Arts		3
Free Electives		3
	Credit Hours	15

Year Three**Fall**

BUS 315	Global and Cultural Development	1
ECO 350	Economic and Business Statistics II	3
ECO Elective		3
GL/GN—Global Perspectives		3
Free Elective		3
	Credit Hours	13

Spring

ECO Elective		3
GL/GN—Global Perspectives		3
Free Elective		3
Free Elective		3
Free Elective		3
	Credit Hours	15

Year Four**Fall**

BUS 415	Leadership Development	1
ECO 498	Seminar in Economics	3
GPR—Philosophical/Religious/Ethical Perspectives		3
GNS—Natural Sciences		3
Free Elective		3
Free Elective		3
	Credit Hours	16

Spring

Free Elective		3
GLT—Humanities and Fine Arts		3
GL/GN—Historical Perspectives		3
Free Elective		3
Free Elective		3
	Credit Hours	15
	Total Credit Hours	120

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. or B.S. in Economics may apply for admission to the Accelerated Degree Program and the M.A. in Applied Economics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 hours earned at UNC Greensboro is required. At the time of the application the student should have also completed or be currently enrolled in:

Code	Title	Credit Hours
ECO 301	Intermediate Microeconomic Theory	3
ECO 319	Quantitative Analysis	3
ECO 302	Intermediate Macroeconomic Theory	3
ECO 350	Economic and Business Statistics II	3

Applicants must have completed at least 60 semester credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants are also required to take the Graduate Record

Examination. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the M.A. program in Applied Economics.

Admitted students may apply 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Degree Program in Economics must be approved by the Director of Graduate Study, must be specified on the Request for Accelerated Degree Program, and must be chosen from among the following required courses in the M.A. in Applied Economics curriculum:

Code	Title	Credit Hours
ECO 619	Mathematical Economics	3
ECO 641	Microeconomics	3
ECO 642	Microeconomics II	3
ECO 643	Econometric Methods	3
ECO 644	Econometric Theory	3
ECO 646	Macroeconomics	3
ECO 725	Data Methods in Economics	3
ECO 731	Applied Policy Methods	3

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Applied Economics remain the same.

Economics, B.S.

The Bachelor of Science (B.S.) in Economics builds on the analytical business foundation required of all Bryan School of Business and Economics students and develops the student's ability to apply economic reasoning and analysis to business and public policy issues. Curriculum under the B.S. degree provides the opportunity to develop synergies with other areas of study within the Bryan School. The B.S. degree requires completion of the Bryan School Pre-Admission Courses and the Bryan Business Core curriculum.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A cumulative GPA of at least 2.0
- At least 15 credits of Economics must be earned at UNC Greensboro.
- Grades of C (2.0) or better in each ECO course used to meet major requirements.
- No more than 30 credits of traditional business courses (ACC, BUS, FIN, ISM, MGT, MKT, and SCM courses taught by Bryan School faculty) will count toward the B.S. degree in Economics.

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	

Major Requirements

Bryan School Pre-Admission Courses (29 credit hours)

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter. See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development Blueprint for Personal and Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics [†]	
ECO 202	Principles of Macroeconomics [†]	
ECO 250	Economic and Business Statistics I	
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	
<i>Select one of the following:</i>		
ENG 101	College Writing I ^{††}	
FMS 115	Freshman Seminar in Reasoning and Discourse I ^{††}	
RCO 101	College Writing I ^{††}	
<i>Completion of one of the following: *</i>		
MAT 120	Calculus with Business Applications ^{†††}	
MAT 191	Calculus I ^{†††}	

* Or a grade of C or better in any one of the following courses: MAT 115 (<https://catalog.uncg.edu/search/?P=MAT%20115>), MAT 150 (<https://catalog.uncg.edu/search/?P=MAT%20150>), MAT 151 (<https://catalog.uncg.edu/search/?P=MAT%20151>), or MAT 190 (<https://catalog.uncg.edu/search/?P=MAT%20190>).

[†] Counts toward GEC GSB requirement.

^{††} Counts toward GEC GRD requirement.

^{†††} Counts toward GEC GMT requirement.

Common Business Core (38 credit hours)

Code	Title	Credit Hours
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies [†]	
MAT 120 or MAT 191	Calculus with Business Applications Calculus I	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	

MGT 330	The Legal Environment of Business
MGT 491	Business Policy and Strategy ¹
MKT 309	Business Communications
MKT 320	Principles of Marketing ²
PHI 361	Ethical Issues in Business ⁺⁺
SCM 302	Operations Management
<i>Global Sustainability Elective</i>	
One chosen from the list below. ³	
ECO 100	Economics of a Global Sustainable Society
BUS 130	Entrepreneurship in a Sustainable Global Environment
GES 162	Introduction to Sustainability
LLC 120	Global Crossings: Topics in Images, Media, and Texts
LLC 130	Global Green: Cultures of Production and/or Consumption
STH 200	Introduction to Sustainable Development

¹ Sustainable Tourism and Hospitality majors are exempt from the MGT 491 requirement; a similar course, STH 491, is taken within the major requirements.

² All students pursuing the Marketing major must receive a C or better in MKT 320.

³ Or other approved Global Sustainability elective.

† Counts toward GEC GRD requirement.

++ Counts toward GEC GPR requirement.

Economics Courses (18 credit hours)

Code	Title	Credit Hours
Required		18
ECO 301	Intermediate Microeconomic Theory	
ECO 302	Intermediate Macroeconomic Theory	
ECO 350	Economic and Business Statistics II	
ECO 498	Seminar in Economics	
MAT 120 or MAT 191	Calculus with Business Applications Calculus I	

Select 3 credits of Economics Electives Courses at the 300 level

Electives

Electives sufficient to complete 120 total credit hours required for degree.

Advising

A Plan of Study for the Economics B.S. degree should be developed in consultation with a Bryan Undergraduate Student Services Advisor (<https://bryan.uncg.edu/current-students/advising>). It is strongly encouraged for students to meet with an advisor at least once per academic term. Economics faculty are also available to discuss ECO course sequencing, elective decisions, preparation for economics graduate programs, or career discussions. Students may contract the Department of Economics by telephone at 336-256-1010 or email economics@uncg.edu to make arrangements to speak with a department faculty member.

The Economics major requires the application of Calculus in upper-level economics courses (e.g. ECO 301). Students should plan to

complete a minimum level of MAT 120 or MAT 191 course work by the end of their junior year in order to meet the prerequisites of the program's core curriculum. For this reason, it is highly recommended to begin mathematics courses early in your academic career and to continue to build on this quantitative skill set. For students who may need remedial review of mathematics as it is applied to economics or who may have placed lower in the math placement test are advised to register for ECO 219 within their first year. Introductory-level economics courses may be taken as early as the first semester.

Program Required Economics Course Work

Code	Title	Credit Hours
ECO 201 & 201R	Principles of Microeconomics and Principles of Microeconomics Recitation	
ECO 202	Principles of Macroeconomics	
ECO 250 & 250R	Economic and Business Statistics I and Econ/Bus Stats I Recitation	
ECO 300	The International Economy	
ECO 301	Intermediate Microeconomic Theory	
ECO 302	Intermediate Macroeconomic Theory	
ECO 350	Economic and Business Statistics II	
ECO 498	Seminar in Economics	

Select an additional 3 credits of Economics electives at the 300 level

Graduate Program Preparation

Students planning to extend their studies to a graduate program (such as the Master's in Applied Economics) should select economics elective course work to better prepare for the program: ECO 319. Additional upper-level mathematics courses can be highly beneficial when preparing for graduate studies.

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. or B.S. in Economics may apply for admission to the Accelerated Degree Program and the M.A. in Applied Economics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 hours earned at UNC Greensboro is required. At the time of the application the student should have also completed or be currently enrolled in:

Code	Title	Credit Hours
ECO 301	Intermediate Microeconomic Theory	3
ECO 319	Quantitative Analysis	3
ECO 302	Intermediate Macroeconomic Theory	3
ECO 350	Economic and Business Statistics II	3

Applicants must have completed at least 60 semester credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants are also required to take the Graduate Record Examination. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the M.A. program in Applied Economics.

Admitted students may apply 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in the course and

fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Degree Program in Economics must be approved by the Director of Graduate Study, must be specified on the Request for Accelerated Degree Program, and must be chosen from among the following required courses in the M.A. in Applied Economics curriculum:

Code	Title	Credit Hours
ECO 619	Mathematical Economics	3
ECO 641	Microeconomics	3
ECO 642	Microeconomics II	3
ECO 643	Econometric Methods	3
ECO 644	Econometric Theory	3
ECO 646	Macroeconomics	3
ECO 725	Data Methods in Economics	3
ECO 731	Applied Policy Methods	3

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Applied Economics remain the same.

Economics Undergraduate Minor

An economics minor is especially appropriate for students whose majors are geography, history, mathematics, political science, sociology, or for students doing interdisciplinary study in the social sciences.

Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	
<i>Select an additional 9 credits of Economics at the 300 level or above</i>		

Applied Economics, M.A.

The M.A. in Applied Economics is designed for students who seek careers in business, finance, or government as economists, forecasters, policy analysts, economic researchers, or managers with strong quantitative skills. The program is structured to develop the theoretical, quantitative, and statistical skills that are required to perform and interpret economic analyses on a wide range of policy-oriented issues. Excellent training is also provided for students who wish to enter the Ph.D. program at UNC Greensboro or to pursue additional graduate education at other institutions.

Coursework for the 30 credit hour degree combines core knowledge of economic theory and econometrics, specialized applied research methods, advanced electives, and a capstone seminar focused on the development of applied empirical research skills based on the integration of microeconomic theory and econometrics.

Students pursuing the M.A. in Applied Economics may select one of two optional areas of concentration: data analytics and policy analysis. Coursework must be approved by the Director of Graduate Study and must include certain courses as explained in the discussion of the concentrations.

Admission to the program requires a completed baccalaureate degree and completion of undergraduate courses in Intermediate Microeconomics (ECO 301 at UNC Greensboro), Mathematical Economics (ECO 319 at UNC Greensboro), and Economics and Business Statistics II (ECO 350 at UNC Greensboro). Equivalent coursework in mathematics and statistics may substitute for the latter two. For information regarding deadlines and other requirements for admission, please see the Guide to Graduate Admissions.

Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Core Knowledge Requirement (12 credits)		
ECO 619	Mathematical Economics	3
ECO 641	Microeconomics	3
ECO 643	Econometric Methods	3
ECO 731	Applied Policy Methods	3
Advanced Theory Requirements (9 credits)		
ECO 642	Microeconomics II	3
or ECO 646	Macroeconomics	
ECO 644	Econometric Theory	3
ECO 725	Data Methods in Economics	3
Electives (6 credits)		
Select six credits from the following: *		6
ECO 642	Microeconomics II	
ECO 646	Macroeconomics	
ECO 663	Predictive Data Mining	
ECO 664	Time Series and Forecasting	
ECO 734	Public Policies Toward Innovation	
ECO 735	Labor Economics	
ECO 736	Public Economics	
ECO 737	Health Economics	
ECO 738	Topics in Economics	
ECO 741	Advanced Mathematical Economics	
ECO 742	Advanced Microeconomic Theory	
ECO 745	Advanced Econometric Theory	
Research Seminar (Capstone Experience) (3 credits)		
ECO 721	Empirical Microeconomics	3
Total Credit Hours		30

* *Electives may be earned with 600- or 700-level Economics courses or with graduate courses taken outside the department. Electives not listed below must be approved by the Director of Graduate Study.*

Comprehensive Examinations

As a requirement for graduation, each student must successfully complete two comprehensive examinations—one in economic theory and one in econometrics. Both examinations are administered during the first two weeks of the spring semester. Students must pass each with

a minimum grade of B-(2.7). Students who do not pass either or both examination(s) may retake the examination(s) one time.

Data Analytics Concentration

The Data Analytics concentration combines the M.A. core knowledge, advanced theory, research seminar, and comprehensive examination requirements with courses emphasizing the combination of skills, technologies, applications, and processes used by organizations to perform advanced data analysis.

Required: 30 credit hours

Code	Title	Credit Hours
Core Knowledge Requirement (12 credits)		
ECO 619	Mathematical Economics	3
ECO 641	Microeconomics	3
ECO 643	Econometric Methods	3
ECO 731	Applied Policy Methods	3
Advanced Theory Requirements (9 credits)		
ECO 644	Econometric Theory	3
ECO 646	Macroeconomics	3
ECO 725	Data Methods in Economics	3
Electives (6 credits)		
ECO 663	Predictive Data Mining	3
or ECO 664	Time Series and Forecasting	3
Select one graduate economics course or other graduate level course (3 credits) *		
Research Seminar (Capstone Experience) (3 credits)		
ECO 721	Empirical Microeconomics	3
Total Credit Hours		30

* Chosen in consultation with the Director of Graduate Study.

Comprehensive Examinations

As a requirement for graduation, each student must successfully complete two comprehensive examinations—one in economic theory and one in econometrics. Both examinations are administered during the first two weeks of the spring semester. Students must pass each with a minimum grade of B-(2.7). Students who do not pass either or both examination(s) may retake the examination(s) one time.

Policy Analysis Concentration

The Policy Analysis Concentration combines the M.A. core knowledge, advanced theory, research seminar, and comprehensive examination requirements with courses emphasizing policy evaluations skills and knowledge.

Required: 30 credit hours

Code	Title	Credit Hours
Core Knowledge Requirement (12 credits)		
ECO 619	Mathematical Economics	3
ECO 641	Microeconomics	3
ECO 643	Econometric Methods	3
ECO 731	Applied Policy Methods	3
Advanced Theory Requirements (9 credits)		

ECO 642	Microeconomics II	3
ECO 644	Econometric Theory	3
ECO 725	Data Methods in Economics	3
Electives (6 credits)		
ECO 734	Public Policies Toward Innovation	3
Select one (3 credits) of the following:		
ECO 735	Labor Economics	
ECO 736	Public Economics	
ECO 737	Health Economics	
ECO 738	Topics in Economics	
Research Seminar (Capstone Experience) (3 credits)		
ECO 721	Empirical Microeconomics	3
Total Credit Hours		30

Comprehensive Examinations

As a requirement for graduation, each student must successfully complete two comprehensive examinations—one in economic theory and one in econometrics. Both examinations are administered during the first two weeks of the spring semester. Students must pass each with a minimum grade of B-(2.7). Students who do not pass either or both examination(s) may retake the examination(s) one time.

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. or B.S. in Economics may apply for admission to the Accelerated Degree Program and the M.A. in Applied Economics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 hours earned at UNC Greensboro is required. At the time of the application the student should have also completed or be currently enrolled in:

Code	Title	Credit Hours
ECO 301	Intermediate Microeconomic Theory	3
ECO 319	Quantitative Analysis	3
ECO 302	Intermediate Macroeconomic Theory	3
ECO 350	Economic and Business Statistics II	3

Applicants must have completed at least 60 semester credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants are also required to take the Graduate Record Examination. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the M.A. program in Applied Economics.

Admitted students may apply 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Degree Program in Economics must be approved by the Director of Graduate Study, must be specified on the Request for Accelerated Degree Program, and must be chosen from among the following required courses in the M.A. in Applied Economics curriculum:

Code	Title	Credit Hours
ECO 619	Mathematical Economics	3
ECO 641	Microeconomics	3

ECO 642	Microeconomics II	3
ECO 643	Econometric Methods	3
ECO 644	Econometric Theory	3
ECO 646	Macroeconomics	3
ECO 725	Data Methods in Economics	3
ECO 731	Applied Policy Methods	3

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Applied Economics remain the same.

Economics, M.A./Ph.D.

The M.A./Ph.D. program is offered to superior applicants who have completed a baccalaureate degree and who seek careers in academic departments that focus on public policy and applied microeconomics, in nonacademic research organizations, in business and financial institutions, and in agencies of federal, state and local governments. The program is structured to develop the theoretical, quantitative, and statistical skills that are required to perform and interpret economic analyses on a wide range of policy-oriented issues. Our M.A./Ph.D. program is specifically designed to train students in the fields of labor, health, and public economics (including the economics of education, science and technology policy, urban economics, and resource and environmental economics).

The M.A./Ph.D. requires 75 credit hours and results in students earning both an M.A. and a Ph.D.

Admission to the program requires a completed baccalaureate degree and completion of undergraduate courses in Intermediate Microeconomics (ECO 301 Intermediate Microeconomic Theory at UNC Greensboro), Intermediate Macroeconomics (ECO 302 Intermediate Macroeconomic Theory at UNC Greensboro), Mathematical Economics (ECO 319 Quantitative Analysis at UNC Greensboro), and Economics and Business Statistics II (ECO 350 Economic and Business Statistics II at UNC Greensboro). Equivalent coursework in mathematics and statistics may substitute for the latter two. For information regarding deadlines and other requirements for admission, please see the Guide to Graduate Admissions."

Degree Program Requirements

Required: 75 credit hours

Code	Title	Credit Hours
Economic Theory and Mathematical Economics Requirements (18 credits)		
ECO 619	Mathematical Economics	3
ECO 641	Microeconomics	3
ECO 642	Microeconomics II	3
ECO 646	Macroeconomics	3
ECO 741	Advanced Mathematical Economics	3
ECO 742	Advanced Microeconomic Theory	3
Applied Research Methods (9 credits)		
ECO 721	Empirical Microeconomics	3
ECO 725	Data Methods in Economics	3

ECO 731	Applied Policy Methods	3
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Econometrics Requirements (12 credits)

ECO 643	Econometric Methods	3
ECO 644	Econometric Theory	3
ECO 745	Advanced Econometric Theory	3
ECO 746	Advanced Econometric Theory II	3

Empirical Field Courses (9 credits)

Select at least 9 credits of the following:	9
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ECO 735	Labor Economics
ECO 736	Public Economics
ECO 737	Health Economics
ECO 738	Topics in Economics
ECO 739	Independent Field Course

Research Seminar (Capstone Experience) (3 credits)

ECO 734	Public Policies Toward Innovation	3
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Supervised Independent Field Research (12 credits)

ECO 797	Seminar in Empirical Economics	6
ECO 798	Seminar in Economic Research	6

Dissertation Research (12 credits)

ECO 799	Dissertation	12
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Total Credit Hours	75
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Comprehensive Examinations

In addition to course requirements, students must pass two M.A. comprehensive examinations (one in economic theory and one in econometrics) and two Ph.D. comprehensive examinations (one in economic theory and one in econometrics). Students must pass each M.A. comprehensive examination with a minimum grade of B-(2.7). Students who do not pass one or more (M.A. or Ph.D.) examination(s) may retake the examination(s) one time.

Dissertation Research

Before registering for dissertation credit (ECO 799 Dissertation), Ph.D. students must pass a written and oral preliminary examination administered by their dissertation committee before being admitted to candidacy for the doctoral degree. The preliminary examination is coordinated by the student's dissertation committee chair and administered after the student has completed the required independent field research courses. After being admitted to candidacy for the doctoral degree, the candidate must prepare and present a dissertation that reflects an independent investigation of an economic topic that is acceptable in form and content to the student's advisory/dissertation committee and The Graduate School.

Economics, Ph.D.

The Ph.D. in Economics is offered to superior applicants who hold a master's degree in economics and seek careers in academic departments that focus on public policy and applied microeconomics, in nonacademic research organizations, in business and financial institutions, and in agencies of federal, state and local governments. The program is structured to develop the theoretical, quantitative, and statistical skills that are required to perform and interpret economic analyses on a wide range of policy-oriented issues. Our doctoral program is specifically designed to train students in the fields of labor, health, and public economics (including the economics of education, science and

technology policy, urban economics, and resource and environmental economics).

The degree requires 48-60 credit hours.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Admission to the Ph.D. program requires a completed master's degree in economics with two courses in microeconomic theory, one course in empirical microeconomics, two courses in econometrics, one course in data methods, one course in macroeconomics, and one course in applied policy methods. Students who enter the program with a master's degree in economics may be required to take additional courses (up to a program total of 60 credit hours) if their prior degree does not fully cover these course requirements. Students interested in earning a Ph.D. in economics who do not have a master's degree in economics or who have a master's degree in economics that deviates significantly from these course requirements should apply to the combined M.A./Ph.D. in Economics.

Degree Program Requirements

Required: 48-60 credit hours

Code	Title	Credit Hours
Economic Theory and Econometric Theory (12-15 credits)		12-15
ECO 642	Microeconomics II (or equivalent, if not on master's transcript)	
ECO 741	Advanced Mathematical Economics	
ECO 742	Advanced Microeconomic Theory	
ECO 745	Advanced Econometric Theory	
ECO 746	Advanced Econometric Theory II	
Applied Research Methods (0-9 credits)		0-9
ECO 721	Empirical Microeconomics (or equivalent, if not on master's transcript)	
ECO 725	Data Methods in Economics (or equivalent, if not on master's transcript)	
ECO 731	Applied Policy Methods (or equivalent, if not on master's transcript)	
Empirical Field Courses (12 credits)		
Select at least 12 credits of the following: *		12
ECO 734	Public Policies Toward Innovation	
ECO 735	Labor Economics	
ECO 736	Public Economics	
ECO 737	Health Economics	
ECO 738	Topics in Economics	
ECO 739	Independent Field Course	
Supervised Independent Field Research (12 credits)		
ECO 797	Seminar in Empirical Economics	6
ECO 798	Seminar in Economic Research	6
Dissertation Research (12 credits)		
ECO 799	Dissertation	12
Total Credit Hours		48-60

* Which may be repeated for credit.

Comprehensive Examinations

In addition to course requirements, students must pass two Ph.D. comprehensive examinations (one in economic theory and one in econometrics). Students who do not pass either or both examination(s) make retake the examinations(s) one time.

Dissertation Research

Before registering for dissertation credit (ECO 799 Dissertation), Ph.D. students must pass a written and oral preliminary examination administered by their dissertation committee before being admitted to candidacy for the doctoral degree. The preliminary examination is coordinated by the student's dissertation committee chair and administered after the student has completed the required independent field research courses. After being admitted to candidacy for the doctoral degree, the candidate must prepare and present a dissertation that reflects an independent investigation of an economic topic that is acceptable in form and content to the student's advisory/dissertation committee and The Graduate School.

Information Systems and Supply Chain Management

Bryan School of Business and Economics

479 Bryan Building
336-334-5666
<http://bryan.uncg.edu/isscm>

Gurpreet Dhillon, *Head of Department*

Mission

Our mission is to integrate quality instruction in information systems and supply chain management with relevant research and professional services. This integration will help students develop an appropriate background and critical skills needed to function effectively in a global, technology-driven environment. We strive to fulfill this mission as an integral part of the Bryan School of Business and Economics and in support of its mission and purposes. Our chief goal is to provide top-tier information systems and supply chain management programs in North Carolina as assessed by employers of our graduates.

Programs offered by the department include study of information technology and supply chain analysis applied to business operations and management decision making. Career opportunities are excellent for quality graduates of either of the concentrations. All students in departmental programs gain extensive experience using networked computer systems and contemporary applications software.

The department assists professional student development, and assists students with career planning. Students with appropriate academic records are encouraged to seek an internship as juniors or seniors.

Student Learning Goals

The primary Learning Goal for both the Information Systems and Supply Chain Management concentrations is to prepare students to utilize various information technologies and tools and deliver enhanced business productivity.

The following Learning Objectives have been endorsed by the faculty to guide the development, evaluation, and continuous improvement of the ISSC undergraduate degree program. The first two objectives

are common to both concentrations, and these are followed by two more objectives for the IS concentration and two more for the SCM concentration.

- Students will be skilled in the application of appropriate end-user computing tools to enhance productivity.
- Students can model business data requirements and utilize relational database technology.

Students concentrating in Information Systems will be able to:

- Employ a systems approach and a system development method to understand business problems.
- Design and develop business software applications.

Students concentrating in Supply Chain Management will be able to:

- Apply process analysis to document supply chain management components and propose improvements.
- Apply appropriate methods and techniques to analyze and solve supply chain management problems.

Admission and Repeat Policies

Admission to the ISSC Department requires a minimum cumulative GPA of 2.0.

Requirements in future years may be higher depending upon departmental capacity and student demand. If enrollments threaten program quality, students' registration in upper level courses will be based upon their cumulative GPAs. Information about current ISM admission requirements and policies is available in Rooms 479 and 301 in the Bryan Building.

Professor

Kwasi Amoako-Gyampah^G

Gurpreet Singh Dhillon^G

Vidyaranya B. Gargeya^G

Hamid R. Nemati^G

Prashant Palvia, *Joe Rosenthal Excellence Professor*^G

Associate Professor

A. F. Salam^G

Rahul Singh^G

Larry R. Taube^G

Assistant Professor

Indika Dissanayake^G

Vashkar Ghosh^G

Nikhil Mehta^G

Onyi Nwafor^G

Jiyong Park

Kane Jeremy Smith^G

Lecturer

Mary Catherine Chauvin

Douglas G Parkes^G

Apoorva Patipati Ramesh

^G Graduate-level faculty

- Information Systems and Supply Chain Management, B.S. (p. 487)
- Information Technology Undergraduate Minor (p. 490)
- Information Technology and Management, M.S. (p. 490)

- Information Systems, Ph.D. (p. 492)
- Information Systems, Doctoral Minor (p. 493)
- Business Analytics, Post-Baccalaureate Certificate (p. 493)
- Cyber Security, Post-Baccalaureate Certificate (p. 493)
- Information Technology Development, Post-Baccalaureate Certificate (p. 494)
- Information Technology Management, Post-Baccalaureate Certificate (p. 494)
- Information Technology, Post-Master's Certificate (p. 494)
- Supply Chain Management, Post-Baccalaureate Certificate (p. 495)

Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 472).

Information Systems and Supply Chain Management Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Information Systems and Supply Chain Management; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Gurpreet Dhillon at gsdhillon@uncg.edu for further information and guidance about Honors in Information Systems and Supply Chain Management. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Information Systems and Supply Chain Management, B.S.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Grade of C or higher in ISM 110.
- A cumulative GPA of at least 2.0
- For Information Systems concentration, grades of C or better in ISM 218, ISM 240, ISM 280, and ISM 301.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Bryan School Pre-Admission Courses (29 credit hours)

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter. See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development or Blueprint for Personal and Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics [†]	
ECO 202	Principles of Macroeconomics [†]	
ECO 250	Economic and Business Statistics I	
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	
Select one of the following:		
ENG 101	College Writing I ^{††}	
FMS 115	Freshman Seminar in Reasoning and Discourse I ^{††}	
RCO 101	College Writing I ^{††}	
Completion of one of the following: [*]		
MAT 120	Calculus with Business Applications ^{†††}	
MAT 191	Calculus I ^{†††}	

^{*} Or a grade of C or better in any one of the following courses: MAT 115 (<https://catalog.uncg.edu/search/?P=MAT%20115>), MAT 150 (<https://catalog.uncg.edu/search/?P=MAT%20150>), MAT 151 (<https://catalog.uncg.edu/search/?P=MAT%20151>), or MAT 190 (<https://catalog.uncg.edu/search/?P=MAT%20190>).

[†] Counts toward GEC GSB requirement.

^{††} Counts toward GEC GRD requirement.

^{†††} Counts toward GEC GMT requirement.

Common Business Core (38 credit hours)

Code	Title	Credit Hours
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies [†]	
MAT 120 or MAT 191	Calculus with Business Applications or Calculus I	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	

MGT 330	The Legal Environment of Business
MGT 491	Business Policy and Strategy ¹
MKT 309	Business Communications
MKT 320	Principles of Marketing ²
PHI 361	Ethical Issues in Business ^{††}
SCM 302	Operations Management <i>Global Sustainability Elective</i>
One chosen from the list below. ³	
ECO 100	Economics of a Global Sustainable Society
BUS 130	Entrepreneurship in a Sustainable Global Environment
GES 162	Introduction to Sustainability
LLC 120	Global Crossings: Topics in Images, Media, and Texts
LLC 130	Global Green: Cultures of Production and/or Consumption
STH 200	Introduction to Sustainable Development

¹ Sustainable Tourism and Hospitality majors are exempt from the MGT 491 requirement; a similar course, STH 491, is taken within the major requirements.

² All students pursuing the Marketing major must receive a C or better in MKT 320.

³ Or other approved Global Sustainability elective.

[†] Counts toward GEC GRD requirement.

^{††} Counts toward GEC GPR requirement.

Information Systems and Supply Chain Management Courses

Code	Title	Credit Hours
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	
SCM 302	Operations Management	

Concentration

Select one of the concentrations as detailed following the major requirements.

- Business Analytics
- Cyber Security
- Information Systems
- Supply Chain Management

Electives

Electives sufficient to complete 120 total credit hours required for the degree.

Business Analytics Concentration Requirements

Code	Title	Credit Hours
Required		16-18
ISM 210	Business Computing II	
ISM 218	Database Systems	
ISM 240	Business Programming I	

ISM 425 Business Analytics

ISM 452 Design of Management Information Systems

Select one of the following:

ISM 310 Business Programming II

ISM 411 Undergraduate Internship in Information Systems

ISM 498 Independent Study

ISM 499 Problems in Information Systems and Supply Chain Management

SCM 260 Essentials of Enterprise Requirements Planning (ERP)

Cyber Security Concentration Requirement

Code	Title	Credit Hours
Required		19-21
ISM 201	Essentials of Cyber Security	
ISM 218	Database Systems	
ISM 240	Business Programming I	
ISM 324	Secure Networked Systems	
ISM 326	Ethical Hacking	
ISM 452	Design of Management Information Systems	
<i>Select one of the following:</i>		
ISM 310	Business Programming II	
ISM 411	Undergraduate Internship in Information Systems	
ISM 425	Business Analytics	
ISM 498	Independent Study	
ISM 499	Problems in Information Systems and Supply Chain Management	
SCM 260	Essentials of Enterprise Requirements Planning (ERP)	

Information Systems Concentration Requirements

Code	Title	Credit Hours
ISM 201	Essentials of Cyber Security	
ISM 218	Database Systems	
ISM 240	Business Programming I	
ISM 301	Systems and Process Analysis	
ISM 310	Business Programming II	
ISM 452	Design of Management Information Systems	
Select one of the following:		3
ISM 324	Secure Networked Systems	
ISM 326	Ethical Hacking	
ISM 411	Undergraduate Internship in Information Systems	
ISM 425	Business Analytics	
ISM 498	Independent Study	
ISM 499	Problems in Information Systems and Supply Chain Management	
SCM 260	Essentials of Enterprise Requirements Planning (ERP)	

Supply Chain Management Concentration Requirements

Code	Title	Credit Hours
Required		12
SCM 304	Managing and Organizing Projects	
SCM 206	Logistics and Transportation Management	
SCM 402	Logistics and Supply Chain Management	
SCM 432	Supply Chain Management Project	
Select 6 credit hours from the following: *		6
CRS 363	Global Sourcing of Apparel and Related Consumer Products	
ISM 210	Business Computing II	
ISM 218	Database Systems	
SCM 260	Essentials of Enterprise Requirements Planning (ERP)	
SCM 411	Undergraduate Internship in Supply Chain Management	
SCM 498	Independent Study	
SCM 499	Problems in Supply Chain Management	
STH 313	Revenue Management	

* Or other approved electives.

† Counts toward GEC GPR requirement.

Accelerated B.S. to M.S. in Information Technology and Management Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Information Systems and Supply Chain Management may apply for admission to the Accelerated Degree Program and the M.S. in Information Technology and Management. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants will not be required to take the GRE or GMAT entrance exam. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the M.S. in Information Technology and Management.

Admitted students may apply a maximum of 12 credits from the following graduate-level courses toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements of the M.S. in Information Technology and Management:

Code	Title	Credit Hours
ISM 645	Principles of Predictive Analytics	3
ISM 665	Principles of Cyber Security	3
ISM 671	Organizing Data for Analytics	3
ISM 672	App Design and Programming	3

ISM 673	Designing Secure Computer and IoT Networks for Business	3
SCM 650	Principles of Supply Chain Management	3

Note: Only four of the above six courses will be specified on a student's ADP application after consultation with the Director of Graduate Study.

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. degree in Information Technology and Management remain the same.

Information Technology Undergraduate Minor

The Information Technology minor is available to any UNC Greensboro student (other than ISSC majors) who is in good standing in the University. The minor complements a variety of professional and arts and sciences fields. It focuses on various IT tools and applications and the use of these technologies to improve decision-making in a variety of professional environments.

Program Requirements

- Minimum of 15 credit hours
- 1. Admission to the minor
See Undergraduate Student Services, 301 Bryan.
- 2. Minimum GPA
To receive credit for the minor, the student must achieve a minimum GPA of 2.0 in all courses taken for the Information Technology minor.
- 3. 15 credits
A total of 15 credits, 9 of which must be successfully completed at UNC Greensboro.

Code	Title	Credit Hours
<i>Required</i>		
ISM 116	Web Design and Development	
ISM 210	Business Computing II	
ISM 110	Business Computing I *	
<i>Select two of the following:</i>		
ISM 218	Database Systems	
ISM 280	Information Systems in Organizations	
ISM 324	Secure Networked Systems	
SCM 304	Managing and Organizing Projects	

* Or an equivalent.

Information Technology and Management, M.S.

The M.S. in Information Technology and Management (MSITM) program focuses on both information technology and the management of information technology resources. The program combines technological and managerial components to train graduates who can deal effectively with the variety and complexity of issues involved in applying information technology successfully within organizations. The MSITM program seeks

to extend both the knowledge of students and their ability to effectively utilize their knowledge in a collaborative work environment.

The curriculum is designed to be flexible and dynamic and provides state-of-the-art exposure to both information technology and management practices. The program places an emphasis on problem solving activities, multi-functional group decision making, and communication skills. In addition to technology and business studies, all students will be required to demonstrate acceptable competence in communication and presentation skills, interpersonal skills, teamwork skills, and problem-solving capabilities.

Students in the MSITM program have the option to specialize in one of three concentrations in Business Analytics, Cyber Security, or Supply Chain Management. Depending on the business and information technology background the student possesses, the length of the program will vary. A student can complete the program in 18 to 24 months, depending on the individual student's background and course load.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions. In addition to the application materials required by The Graduate School, applicants are encouraged to submit a resume and a personal statement. GMAT or GRE scores are required. Applicants should consult the ISSCM Graduate Program Director for specific admission requirements.

GMAT waivers are considered but are not automatic. To be considered for a GMAT waiver, an application needs to be submitted to the MSITM Admissions Committee or to the Graduate Programs Director. The applicant must provide all necessary documentation that verifies that she/he meets applicable criteria as listed below. The MSITM Admissions Committee decision shall be made on a case-by-case basis using the following criteria and is at the sole discretion of the Admissions Committee:

- To be eligible for a GMAT waiver based on military experience, the applicant must have at least 3 years full-time O-3 or higher or E-7 or higher-level experience AND an undergraduate degree from a regionally-accredited institution with minimum cumulative undergraduate GPA of 3.0 or higher.
- To be eligible for a GMAT waiver based on work experience, the applicant must have at least five years of full-time IT or management experience that includes significant budgetary or leadership responsibility and an undergraduate degree from a regionally accredited institution with minimum cumulative undergraduate GPA of 3.0 or higher.
- An applicant with a terminal/professional degree such as M.D., J.D., Ed.D., Ph.D., or D.B.A. may request to waive the GMAT/GRE requirement if the applicant has a minimum GPA of 3.0 for these graduate degrees.
- To be eligible for a GMAT waiver based on past graduate academic qualification, the applicant must have a Masters degree from an accredited institution AND a minimum cumulative Graduate GPA of 3.0 or higher.
- To be eligible for a GMAT waiver based on academic performance in any of the completed graduate certificates offered by the ISSCM Department at UNCG, the applicant must have an undergraduate degree from a regionally accredited institution with a minimum cumulative undergraduate GPA of 3.0 or higher AND must have completed ONE or more ISSCM graduate certificates with a minimum cumulative Graduate GPA of 3.0 or higher AND must have applied for

admission to the MSITM degree program within 5 years of completion of the first ISSCM graduate certificate.

Degree Program Requirements

Required: 30-36 credit hours

Depending on the business background the student possesses, the length of the program will be 30-36 credit hours. Incoming students will take the Master of Science in Information Technology and Management (MSITM) Core curriculum. Students also have the option to concentrate in one of three concentrations in Business Analytics, Cyber Security, or Supply Chain Management. MSITM thesis option is offered.

Code	Title	Credit Hours
Basic Business Knowledge (0-6 credits)		
Select 0-6 credit hours of foundation level courses in financial accounting and operations management. ¹		0-6
Core Courses (12 credits)		
ISM 671	Organizing Data for Analytics	3
ISM 672	App Design and Programming	3
ISM 673	Designing Secure Computer and IoT Networks for Business	3
ISM 678	Project Management for Dynamic Environments	3
Elective Courses (12 credits)		
Electives can come from the following graduate level courses or other approved courses in consultation with the ISSCM Graduate Program Director.		12
ISM 645	Principles of Predictive Analytics	
ISM 646	Visualizing Data to Design Strategy	
ISM 647	Cognitive Computing and Artificial Intelligence Applications for Business	
ISM 665	Principles of Cyber Security	
ISM 666	Blockchains and Cryptography	
ISM 667	Global Cyber Threat Analysis	
ISM 670	IT Driven Disruptive Innovation Management	
ISM 677	Information Systems Management	
SCM 650	Principles of Supply Chain Management	
SCM 651	Analytics for Logistics and Distribution Management	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	
Capstone Experience (6 credits)		6
<i>Thesis Option</i>		
ISM 699	Thesis (6 credits)	
<i>Non-Thesis Option</i>		
ISM 678	Project Management for Dynamic Environments ²	
Elective course (3 credits) ³		
Total Credit Hours		30-36

¹ Foundation level courses in financial accounting and operations management will be required for students who do not have an adequate business background. These courses may be waived for students who have completed equivalent academic coursework and who can meet specific learning objectives. Applicants should consult with the ISSCM Graduate Program Director for course waiver information.

² Students in the Business Analytics concentration may complete 3 credits of ISM 688 Projects in Business Analytics to fulfill the Capstone Experience requirement.

³ One course (3 credits) selected from the list of electives or from other approved courses in consultation with the ISSCM Graduate Program Director.

MSITM Concentrations

Students have the option to specialize in one of three concentrations in Business Analytics, Cyber Security, or Supply Chain Management concentration.

Business Analytics Concentration

Code	Title	Credit Hours
Concentration Courses (9 credits)		
ISM 645	Principles of Predictive Analytics	3
ISM 646	Visualizing Data to Design Strategy	3
ISM 647	Cognitive Computing and Artificial Intelligence Applications for Business	3
Total Credit Hours		9

Cyber Security Concentration

Code	Title	Credit Hours
Concentration Courses (9 credits)		
ISM 665	Principles of Cyber Security	3
ISM 666	Blockchains and Cryptography	3
ISM 667	Global Cyber Threat Analysis	3
Total Credit Hours		9

Supply Chain Management Concentration

Code	Title	Credit Hours
Concentration Courses (9 credits)		
SCM 650	Principles of Supply Chain Management	3
SCM 651	Analytics for Logistics and Distribution Management	3
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	3
Total Credit Hours		9

Graduate Certificates

Students also have the option to earn one or more graduate Post-Baccalaureate Certificates in Business Analytics, Cyber Security, and Supply Chain Management areas by completing 12 credits which includes 9 core credits in the certificate area and 3 credits in an elective. Students electing to earn a post-baccalaureate certificate must apply separately to Graduate School through the application process for the certificate program of choice and should consult with their advisor or the ISSCM Graduate Program Director for additional information. Elective course credits earned in the MSITM core and concentrations may count towards the certificates and vice versa.

Information about the post-baccalaureate certificates core and elective courses can be found on the pages for each certificate:

Business Analytics, Post-Baccalaureate Certificate (<https://catalog.uncg.edu/business-economics/information-systems-supply-chain-management/business-analytics-pbc>)

Cyber Security, Post-Baccalaureate Certificate (<https://catalog.uncg.edu/business-economics/information-systems-supply-chain-management/information-assurance-security-and-privacy-pbc>)

Supply Chain Management, Post-Baccalaureate Certificate (<https://catalog.uncg.edu/business-economics/information-systems-supply-chain-management/supply-chain-logistics-transportation-management-pbc>)

Accelerated B.S. to M.S. in Information Technology and Management

Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Information Systems and Supply Chain Management may apply for admission to the Accelerated Degree Program and the M.S. in Information Technology and Management. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants will not be required to take the GRE or GMAT entrance exam. All applicants must submit the Request for Accelerated Degree Program to the Graduate School and must simultaneously apply for admission to the M.S. in Information Technology and Management.

Admitted students may apply a maximum of 12 credits from the following graduate-level courses toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements of the M.S. in Information Technology and Management:

Code	Title	Credit Hours
ISM 645	Principles of Predictive Analytics	3
ISM 665	Principles of Cyber Security	3
ISM 671	Organizing Data for Analytics	3
ISM 672	App Design and Programming	3
ISM 673	Designing Secure Computer and IoT Networks for Business	3
SCM 650	Principles of Supply Chain Management	3

Note: Only four of the above six courses will be specified on a student's ADP application after consultation with the Director of Graduate Study.

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. degree in Information Technology and Management remain the same.

Information Systems, Ph.D.

The Ph.D. in Information Systems requires 71 credit hours and is an innovative research degree program designed to prepare professionals and research scholars of the highest quality for careers in academic IS units and other organizations. The program enhances the traditional Ph.D. program with four distinctive elements: commitment to practical relevance, emphasis on producing quality teachers, research

apprenticeship, and interdisciplinary research. An emphasis on global information technology is available to interested students.

The program is primarily for full-time students and is available to students with master's degrees in appropriate areas such as business, computer science, public administration, engineering, or the social sciences.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a one-page personal statement and a resume. Applicants should consult the Ph.D. Program Director for specific admission requirements.

Students without a master's degree in business will need to take additional courses to establish an understanding of business processes.

Degree Program Requirements

Required: 71 credit hours

Leveling Courses/Prerequisites

To be taken as needed to remedy deficiencies, in consultation with the Ph.D. Program Director.

Code	Title	Credit Hours
ISM 647	Cognitive Computing and Artificial Intelligence Applications for Business	3
ISM 671	Organizing Data for Analytics	3
ISM 672	App Design and Programming	3
ISM 673	Designing Secure Computer and IoT Networks for Business	3
ISM 677	Information Systems Management	3

Students with no business background must take at least three of the four courses, in consultation with the Ph.D. Program Director.

Code	Title	Credit Hours
MBA 702	Financial and Managerial Accounting	3
MBA 706	Marketing Management	3
MBA 708	Operations for Competitive Advantage	3
MBA 709		3

Major

Code	Title	Credit Hours
Core Courses (18 credits)		
ISM 785	Theories of Information Systems	3
ISM 786	Introduction to Research and Frameworks in Information Systems	3
ISM 788	Seminar in IS Research Methods	3
Select three courses (9 credits) of the following:		9
ISM 753	Seminar in IS Planning, Management, and Global Issues	
ISM 754	Seminar in Inter-Organizational Systems	
ISM 755	Sem:Currrnt / Emerg Info Tech	

ISM 756	Seminar in Information Systems Behavioral Topics	
IS Teaching Education (4-7 credits)		
Select 4-7 credits *		4-7
IS Research Seminars (7-8 credits)		
Select a minimum of 7 credits taken throughout the program		7-8
Supporting Area (9 credits)		
Select 9 credits *		9
Research Methodology (15 credits)		
Select 15 credits. Possible courses include: *		15
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	
STA 671	Multivariate Analysis	
ERM 682	Multivariate Analysis	
ERM 731	Structural Equation Modeling in Education	
ELC 664	Introduction to Qualitative Inquiry: A Social Justice Approach	
Dissertation (18-24 credits)		
ISM 799	Dissertation	18-24
Total Credit Hours		71-81

* Chosen in consultation with the Ph.D. Program Director.

Organizational Research Internship

Required of students lacking relevant work experience, as determined by the Ph.D. Program Director.

Research Apprenticeship

Two papers must be submitted for publication in conference proceedings or journals prior to taking written comprehensive examinations.

Comprehensive Written Examination

Upon completion of the required course work and research apprenticeship, the student will be eligible to sit for written comprehensive examinations. The major examination will have two parts: the first part will be composed of IS content from various courses and existing literature; the second part will be designed to evaluate the research readiness of the student. Typically, the major examination is given in the fall semester. If the student fails at the first attempt, a second attempt may be allowed by the Ph.D. Program Director.

Oral Examination

Following the successful completion of the written comprehensive examination, the student will be given an oral examination by the doctoral Advisory/Dissertation Committee. Upon successful completion of the oral examination, the student may apply for doctoral candidacy.

Proposal Defense

Following the oral examination, the student will prepare a dissertation proposal that will be defended before the doctoral Advisory/Dissertation Committee. The defense may be attended by others outside the committee.

Dissertation (18-24 credits)

A minimum of 18 credits will be devoted to research that culminates in the preparation of the required doctoral dissertation.

Information Systems, Doctoral Minor Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Select 12 credit hours from the following:		12
ISM 647	Cognitive Computing and Artificial Intelligence Applications for Business	
ISM 671	Organizing Data for Analytics	
ISM 672	App Design and Programming	
ISM 673	Designing Secure Computer and IoT Networks for Business	
ISM 677	Information Systems Management	
Total Credit Hours		12

Program Director's permission is required for taking 700 level courses.

Business Analytics, Post-Baccalaureate Certificate

The Department of Information Systems and Supply Chain Management offers an online Post-Baccalaureate Certificate in Business Analytics. The certificate program consists of a minimum of 12 credit hours but may not exceed 15 credit hours. It delivers state-of-the-art knowledge and skills in models, methods, tools, and techniques in Business Analytics.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (9 credits)		
ISM 645	Principles of Predictive Analytics	3
ISM 646	Visualizing Data to Design Strategy	3
ISM 647	Cognitive Computing and Artificial Intelligence Applications for Business	3
Electives (3 credits)		
Select 3 credits from the following:		3
ECO 643	Econometric Methods	
CSC 671	Advanced Database Systems	
CSC 676	Topics in Database Systems	
LIS 643	Metadata	
Total Credit Hours		12

Cyber Security, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Cyber Security consists of a minimum of 12 credit hours. It is intended for professionals with a bachelor's degree in any field from an accredited institution who are interested in gaining state-of-the-art knowledge and skills in the

application of information security and privacy to solve organizational problems. The program offers an innovative and relevant educational opportunity that reflects the changing information security and privacy environment of the 21st Century by incorporating the latest thinking and best practices in the field with a solid foundation in theory and proven principles. Additionally, the program provides knowledge and skills on all aspects of information security and privacy technologies, tools, methodologies, and management.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (9 credits)		
ISM 665	Principles of Cyber Security	3
ISM 666	Blockchains and Cryptography	3
ISM 667	Global Cyber Threat Analysis	3
Electives (3 credits)		
Select 3 credits from the following or other approved courses:		3
ISM 671	Organizing Data for Analytics	
ISM 672	App Design and Programming	
ISM 673	Designing Secure Computer and IoT Networks for Business	
Total Credit Hours		12

Information Technology Development, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Information Technology Development consists of 12 credit hours. It is intended for professionals who have a bachelor’s degree in any field from an accredited institution and are interested in gaining state-of-the-art knowledge and skills in the application of information technology to solve organizational problems.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (9 credits)		
ISM 671	Organizing Data for Analytics	3
ISM 672	App Design and Programming	3
ISM 673	Designing Secure Computer and IoT Networks for Business	3
Electives (3 credits)		
Select 3 credits from the following or other approved courses:		3
ISM 645	Principles of Predictive Analytics	

ISM 670	IT Driven Disruptive Innovation Management	
Total Credit Hours		12

Information Technology Management, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Information Technology Management offers information systems management and IT-driven disruptive innovation theories and concepts and their application in solving organizational and business problems.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (9 credits)		
ISM 670	IT Driven Disruptive Innovation Management	3
ISM 677	Information Systems Management	3
ISM 678	Project Management for Dynamic Environments	3
Electives (3 credits)		
Select 3 credits from the following or other approved courses:		3
ISM 671	Organizing Data for Analytics	
ISM 672	App Design and Programming	
ISM 673	Designing Secure Computer and IoT Networks for Business	
Total Credit Hours		12

Information Technology, Post-Master's Certificate

The purpose of the online 12 credit hour Post-Master’s Certificate in Information Technology is to provide professionals who already have an M.B.A. degree (or a master’s degree in a related field) with state-of-the-art knowledge and skills in the application of information technology to the solution of organizational problems.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Applicants to the Post-Master’s Certificate program are required to have an M.B.A. or related master’s degree.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (12 credits)		
Based on the student’s background, 12 credits will be recommended by the program director from the following:		12
ISM 645	Principles of Predictive Analytics	

ISM 647	Cognitive Computing and Artificial Intelligence Applications for Business
ISM 665	Principles of Cyber Security
ISM 671	Organizing Data for Analytics
ISM 672	App Design and Programming
ISM 673	Designing Secure Computer and IoT Networks for Business
SCM 650	Principles of Supply Chain Management
SCM 651	Analytics for Logistics and Distribution Management

Total Credit Hours 12

Supply Chain Management, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Supply Chain Management consists of a minimum of 12 credit hours. It provides state-of-the-art knowledge and skills in the operation and management of supply chain and logistics systems and the use of various technologies to improve the performance of these business systems.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (9 credits)		
SCM 650	Principles of Supply Chain Management	3
SCM 651	Analytics for Logistics and Distribution Management	3
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	3
Electives (3 credits)		
Select 3 credits from the following or other approved courses:		3
SCM 678	Project Management for Dynamic Environments	
SCM 680	Independent Study in Supply Chain Management	
SCM 681		
SCM 682	Executive Mentorship in Supply Chain Management	
Total Credit Hours		12

Management

Bryan School of Business and Economics

366 Bryan Building
336-334-5691
<http://bryan.uncg.edu/mgt>

Moses Acquah, *Department Head*
Vasyl Taras, *Director of Graduate Study*

Mission

The mission of the Department of Management is to support the mission of the Bryan School, primarily through the imparting of knowledge through instructional programs and secondarily through the creation of knowledge through basic and applied research. A third priority is to provide service through involvement in university, professional and community activities.

The Department of Management offers two majors that lead to the Bachelor of Science degree: Business Administration and International Business Studies. The Business Administration major is comprised of three concentrations: Business Studies, Human Resources, and Management.

Business Administration Major

The objective of the Business Administration major is to provide liberally educated students with a broad exposure to the functional areas of business and a more comprehensive understanding of one of the managerial specialties through a choice of a concentration:

- **Business Studies** is most appropriate for those who want a broad business exposure without the need to concentrate specifically in only one functional area. (A student can complete the Business Studies concentration by careful planning of the Career Profile.)
- **Human Resources** focuses on skills and knowledge needed by the professional human resources manager: job analysis, recruiting, screening, selection, training and development, performance appraisal, job evaluation, and salary administration.
- **Management** focuses on courses in the management area with courses in leadership, organizational behavior, human resources, decision-making, cross cultural management, and strategy. The concentration is designed for students that want a more focused education on issues and problems faced by those involved in business management.

International Business Studies Major

The International Business Studies major is distinctive in the Bryan School by requiring experiences and competence in areas such as language and study abroad that are not required in other business programs. The need to understand other cultures, societies, and economies is met by requiring/recommending more in liberal education and related areas than is required in General Education requirements for other business programs.

Professor

Moses Acquah^G
E. Holly Buttner^G
Ai-Chia Chuang^G
Nir B. Kshetri^G
William L. Tullar^G

Associate Professor

Brianna B Caza
Riikka M. Sarala^G
Vasyl Taras^G

Assistant Professor

Soheil Hooshangi
Yonghong Liu^G
Vladislav Maksimov^G
Jason Reed Pierce^G

Marketa Rickley
Madelynn Raissa Dawn Stackhouse^G
Jun Yang

Senior Lecturer
Michael A. Beitler^G
Eloise McCain Hassell

Lecturer
Lisa Gibson Blevins
Charles Robin Britt
John Joseph Ceneviva^G
Joseph R. Erba^G
Karen Lynden
Greg Milsom
Ronnie Rogers Shaffer
Willie Martin Wooldridge

^G Graduate-level faculty

- Business Administration, B.S. (p. 496)
- International Business Studies, B.S. (p. 498)
- International Business, M.S. (p. 499)
- Business Administration, Ph.D. (p. 500)

Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 472).

Business Administration Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- A minimum grade of B in all course work applicable to Disciplinary Honors in Business Administration.

Code	Title	Credit Hours
Required		9
HSS 310	Honors Abroad	
ENT/BUS 240	Introduction to the Entrepreneurial Experience	
HSS 490	Senior Honors Project	
Select one course from the following:		3-6
BUS 493	Honors Work	
ENT 493	Honors Work in Entrepreneurship	
MGT 493	Honors Work	
MKT 493	Honors Work	

Recognition

Receive a Certificate of Disciplinary Honors in Business Administration; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Ellen McCain Hassell for further information and guidance about Honors in Business Administration. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Management Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- A minimum grade of B in all course work applicable to Disciplinary Honors in Business Administration.

Code	Title	Credit Hours
Select one course from the following:		3-6
MGT 493	Honors Work	
BUS 493	Honors Work	
HSS 490	Senior Honors Project	
Select 6-9 credits of Honors course work in the major		6-9
Select 0-3 credits of other Honors course work		0-3

Recognition

Receive a Certificate of Disciplinary Honors in Management; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

See Eloise McCain Hassell for further information and guidance about Disciplinary Honors in Management. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Business Administration, B.S. Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A cumulative GPA of at least 2.0
- Grades of C or better in courses used to meet concentration requirements
- Courses used for either General Education Core Requirements or General Education Marker Requirements cannot be used to satisfy the 21 credits requirements for the major. (This includes courses such as PHI 361.)

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Bryan School Pre-Admission Courses (29 credit hours)

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter. See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development Blueprint for Personal and Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics [†]	
ECO 202	Principles of Macroeconomics [†]	
ECO 250	Economic and Business Statistics I	
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	
<i>Select one of the following:</i>		
ENG 101	College Writing I ^{††}	
FMS 115	Freshman Seminar in Reasoning and Discourse I ^{††}	
RCO 101	College Writing I ^{††}	
<i>Completion of one of the following: [*]</i>		
MAT 120	Calculus with Business Applications ^{†††}	
MAT 191	Calculus I ^{†††}	

^{*} Or a grade of C or better in any one of the following courses: MAT 115 (<https://catalog.uncg.edu/search/?P=MAT%20115>), MAT 150 (<https://catalog.uncg.edu/search/?P=MAT%20150>), MAT 151 (<https://catalog.uncg.edu/search/?P=MAT%20151>), or MAT 190 (<https://catalog.uncg.edu/search/?P=MAT%20190>).

[†] Counts toward GEC GSB requirement.

^{††} Counts toward GEC GRD requirement.

^{†††} Counts toward GEC GMT requirement.

Common Business Core (38 credit hours)

Code	Title	Credit Hours
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies [†]	
MAT 120 or MAT 191	Calculus with Business Applications Calculus I	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy ¹	
MKT 309	Business Communications	
MKT 320	Principles of Marketing ²	
PHI 361	Ethical Issues in Business ^{††}	
SCM 302	Operations Management	

Global Sustainability Elective

One chosen from the list below. ³

ECO 100	Economics of a Global Sustainable Society
BUS 130	Entrepreneurship in a Sustainable Global Environment
GES 162	Introduction to Sustainability
LLC 120	Global Crossings: Topics in Images, Media, and Texts
LLC 130	Global Green: Cultures of Production and/or Consumption
STH 200	Introduction to Sustainable Development

¹ Sustainable Tourism and Hospitality majors are exempt from the MGT 491 requirement; a similar course, STH 491, is taken within the major requirements.

² All students pursuing the Marketing major must receive a C or better in MKT 320.

³ Or other approved Global Sustainability elective.

[†] Counts toward GEC GRD requirement.

^{††} Counts toward GEC GPR requirement.

Concentration

Select one of the concentrations as detailed following the major requirements.

- Business Studies
- Online Business Studies
- Human Resources
- Management

Electives

Electives sufficient to complete 120 total credit hours required for the degree.

Business Studies Concentration Requirements

Code	Title	Credit Hours
Required		3
MGT 375	Management Process Skills	
Business Courses		9
Select 9 credits with a prefix of BUS, ENT, MGT, or MKT.		
Career Profile Courses		9
Select an additional 9 credits with academic advisor.		

Online Business Studies Concentration Requirements

Additional University Admission Requirements for Online Business Studies Concentration

- Completion of 30 credits or more of transferable college credit from a regionally accredited institution
- Minimum overall and transferable GPA of 2.0 as calculated by UNC Greensboro
- Eligible to return to last institution attended

Code	Title	Credit Hours
Required		3
MGT 375	Management Process Skills	
Business Courses		9
Select 9 credits with a prefix of BUS, ENT, MGT, or MKT.		
Career Profile Courses		9
Select an additional 9 credits with academic advisor.		

Human Resources Concentration Requirements

Code	Title	Credit Hours
Required		12
MGT 313	Human Resource Management	
MGT 315	Selection and Compensation	
MGT 354	Diversity and Inclusion in Organizations	
MGT 475	Employment and Human Resource Law	
Select two of the following:		6
BUS 328	Organizational Leadership	
BUS 450	Directed Business Practice	
MGT 314	Industrial and Organizational Psychology	
MGT 317	Training and Development in Organizations	
MGT 318	Organizational Change and Development	
MGT 375	Management Process Skills	
MGT 414	Human Resource Information Systems	
MGT 493	Honors Work	
MGT 499	Problems in Management	

Management Concentration Requirements

Code	Title	Credit Hours
Required		12
BUS 328	Organizational Leadership	
MGT 300	Management of Organizations	
MGT 354	Diversity and Inclusion in Organizations	
MGT 403	Decision Making in Organizations	
Select two of the following:		6
BUS 450	Directed Business Practice	
BUS 493	Honors Work	
MGT 302	International Business: Operations and Environments in Foreign Jurisdictions	
MGT 303	Experience Business Abroad	
MGT 304	Current Issues in International Business	
MGT 313	Human Resource Management	
MGT 314	Industrial and Organizational Psychology	
MGT 318	Organizational Change and Development	
MGT 375	Management Process Skills	
MGT 400	Cybersecurity Management	
MGT 475	Employment and Human Resource Law	
MGT 493	Honors Work	
MGT 499	Problems in Management	

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A cumulative GPA of at least 2.0
- Minimum grade of C in all courses used to meet major requirements

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Bryan School Pre-Admission Courses (29 credit hours)

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter. See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development Blueprint for Personal and Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics [†]	
ECO 202	Principles of Macroeconomics [†]	
ECO 250	Economic and Business Statistics I	
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	
<i>Select one of the following:</i>		
ENG 101	College Writing I ^{††}	
FMS 115	Freshman Seminar in Reasoning and Discourse I ^{††}	
RCO 101	College Writing I ^{††}	
<i>Completion of one of the following: [*]</i>		
MAT 120	Calculus with Business Applications ^{†††}	
MAT 191	Calculus I ^{†††}	

^{*} Or a grade of C or better in any one of the following courses: MAT 115 (<https://catalog.uncg.edu/search/?P=MAT%20115>), MAT 150 (<https://catalog.uncg.edu/search/?P=MAT%20150>), MAT 151 (<https://catalog.uncg.edu/search/?P=MAT%20151>), or MAT 190 (<https://catalog.uncg.edu/search/?P=MAT%20190>).

[†] Counts toward GEC GSB requirement.

^{††} Counts toward GEC GRD requirement.

^{†††} Counts toward GEC GMT requirement.

Common Business Core (38 credit hours)

Code	Title	Credit Hours
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies [†]	

International Business Studies, B.S.

MAT 120 or MAT 191	Calculus with Business Applications Calculus I
ECO 300	The International Economy
FIN 315	Business Finance I
MGT 301	Introduction to International Business
MGT 312	Organizational Behavior
MGT 330	The Legal Environment of Business
MGT 491	Business Policy and Strategy ¹
MKT 309	Business Communications
MKT 320	Principles of Marketing ²
PHI 361	Ethical Issues in Business ⁺⁺
SCM 302	Operations Management <i>Global Sustainability Elective</i>
One chosen from the list below. ³	
ECO 100	Economics of a Global Sustainable Society
BUS 130	Entrepreneurship in a Sustainable Global Environment
GES 162	Introduction to Sustainability
LLC 120	Global Crossings: Topics in Images, Media, and Texts
LLC 130	Global Green: Cultures of Production and/or Consumption
STH 200	Introduction to Sustainable Development

¹ Sustainable Tourism and Hospitality majors are exempt from the MGT 491 requirement; a similar course, STH 491, is taken within the major requirements.

² All students pursuing the Marketing major must receive a C or better in MKT 320.

³ Or other approved Global Sustainability elective.

⁺ Counts toward GEC GRD requirement.

⁺⁺ Counts toward GEC GPR requirement.

Major Course Work

Code	Title	Credit Hours
Foreign Language [*]		6
Completion of 6 credits in a foreign language at the intermediate level (203-204 level) or above		
Global Experiences ^{**}		2–6
MGT 303	Experience Business Abroad	6
Required Course Work		6
Completion of the following with a minimum grade of C:		
MGT 302	International Business: Operations and Environments in Foreign Jurisdictions	
MGT 304	Current Issues in International Business	
Electives within the Major ¹		9
Select 9 credits from the following:		
BUS 328	Organizational Leadership	
BUS 342	International Entrepreneurship	
ENT 328	Sales Leadership	
ENT 403	Entrepreneurial Marketing	
FIN 330	Financial Institutions and Markets	

FIN 410	Business Finance II
FIN 442	Investments
MGT 313	Human Resource Management
MGT 314	Industrial and Organizational Psychology
MGT 315	Selection and Compensation
MGT 317	Training and Development in Organizations
MGT 354	Diversity and Inclusion in Organizations
MGT 375	Management Process Skills
MGT 475	Employment and Human Resource Law
MGT 493	Honors Work
MKT 326	Introduction to Retailing
MKT 328	Sales Leadership
MKT 403	Entrepreneurial Marketing
MKT 421	Promotion Management
MKT 422	Fundamentals of Marketing Research
MKT 424	Consumer Behavior
MKT 426	International Marketing
MKT 493	Honors Work
SCM 402	Logistics and Supply Chain Management

^{*} Non-native speakers of English are exempted from the foreign language requirements and from foreign study.

^{**} MGT 303 or one semester of study abroad or other approved electives or short-term study abroad programs.

¹ Minimum grade of C in 9 s.h. at the 300-level and above selected from the courses below or 300-level and above courses with the LLC prefix or other electives approved by Bryan School Undergraduate Student Services or approved by the faculty advisor.

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

International Business, M.S.

The Bryan School of Business and Economics offers a graduate program of study leading to a Master of Science in International Business degree. The degree program is only offered as an online but is offered on a part-time or full-time basis. A minimum of 30 credit hours must be completed to earn the degree.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The M.S. in International Business program is designed for qualified students from any academic background.

In addition to the applicant's materials required by The Graduate School, applicants must submit an admission essay indicating the reasons for pursuing the degree.

An applicant that is a member of the Beta Gamma Sigma honor society with a minimum 3.3 GPA out of 4.0; no waiver application necessary. BGS must be noted on application for admission and a copy of the BGS certificate must be submitted.

An applicant with a terminal/professional degree such as M.D., J.D., Ed.D., Ph.D., or D.B.A. may request to waive the GMAT/GRE requirement if the applicant has:

- A minimum GPA of 3.0 for these graduate degrees.

An applicant with a master’s degree may request to waive the GMAT/GRE requirement if the applicant has:

- A master’s degree from at least a regionally accredited institution which required a standardized test (such as the GRE or equivalent) as an entrance requirement; AND
- A graduate GPA of at least 3.0 out of 4.0; AND
- Relevant professional work experience (may include military service), to be determined by the department admission committee; AND
- A demonstration of adequate quantitative ability in the form of a statistics or algebra course at the college-level with a grade of C or better.

An applicant with a bachelor’s degree from a regionally accredited institution and significant work experience may request to waive the GMAT/GRE if the applicant has:

- At least seven years of significant progressive professional work experience (may include military service), to be determined by the department admission committee; AND
- A minimum GPA of 3.0

Students are admitted to the M.S. International Business program only in August of each academic year.

Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Required Courses (30 credits)		
BUS 606	International Entrepreneurship	3
BUS 614	Leadership in the International Environment	3
BUS 615	Global Business	3
BUS 617	International Strategy	3
BUS 618	International Collaboration Project I	3
BUS 619	International Collaboration Project II	3
BUS 621	Research Methods	3
BUS 622	Cross-Cultural Management	3
BUS 623	International Marketing	3
BUS 695	Special Topics in International Business	3
Total Credit Hours		30

Business Administration, Ph.D.

Admission into the doctoral program in Business Administration is highly selective. At a minimum, applicants should possess a completed master’s degree in a business field or related area with superior performance in graduate coursework.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Degree Program Requirements

Required: 60 credit hours

Code	Title	Credit Hours
Research Methods (12 credits)		
BUS 701	Doctoral Research Methods I (Quantitative Research Methods)	3
BUS 702	Doctoral Research Methods II (Qualitative Research Methods)	3
BUS 703	Doctoral Research Methods III (Applied Research Methods in Business)	3
BUS 705	Seminar in Academic Writing and Publishing	3
Major Courses (12 credits)		
BUS 720	Seminar in Organization Theory	3
BUS 721	Seminar in Organization Behavior	3
BUS 730	Seminar in International Business Theory	3
BUS 742	Seminar in Corporate Governance	3
Field Courses (15-18 credits)		
Select 15-18 credits from the following:		15-18
BUS 722	Seminar in Organizational Leadership	
BUS 731	Seminar in Cross-Cultural Management	
BUS 740	Seminar in Strategic Management I	
BUS 741	Seminar in Strategic Management II	
BUS 789	Advanced Topics in Management	
Supervised Directed Research (3-6 credits)		
BUS 790	Doctoral Research Independent Study	3-6
Dissertation (15-18 credits)		
BUS 799	Dissertation	15-18
Total Credit Hours		57-66

NOTE: All students must complete 60 credit hours for the Ph.D. in Business Administration. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

Comprehensive Exams

All students must complete a written and oral comprehensive exams.

Dissertation

All students must complete a dissertation proposal, oral defense of the proposal, and an oral defense of the completed dissertation.

Residency Requirement

At a minimum, students must make three required visits to campus as part of their degree program:

1. To participate in an orientation program prior to coursework to foster a sense of community with their peers and faculty and to gain knowledge of the UNCG resources available to them.
2. Upon completion of coursework, to participate in:
 - a. written and oral comprehensive examinations,
 - b. discussion regarding the dissertation proposal with faculty, and
 - c. a dissertation proposal defense.

3. To participate in their dissertation defense at the culmination of their program.

Marketing, Entrepreneurship, and Hospitality and Tourism

Bryan School of Business and Economics

441 Bryan Building
336-334-3797
<http://bryan.uncg.edu/meht>

Zhiyong Yang, *Head of Department*

Vision Statement

To be a leader in marketing, entrepreneurship, hospitality, tourism, and business communication education that is recognized for our innovative and dynamic curriculum and multidisciplinary faculty and scholarship.

Mission

To create and disseminate knowledge through research, experiential education, and service, by: equipping students with relevant knowledge and skills to participate, communicate, and compete successfully in 21st century global society and economy; preparing students to use innovation to achieve the triple bottom line of economic viability (profit), social responsibility (people), and environmental protection (planet); preparing students to contribute positively to the betterment of society and the environment; helping to develop sustainable and innovative businesses; producing and disseminating high-quality scholarship that responds to timely and relevant social, cultural, economic, and environmental domains; and utilizing skills and expertise of faculty and students in collaboration with community partners for the benefit of UNC Greensboro, the Bryan School of Business and Economics (BSBE), entrepreneurs, marketing professionals, the tourism and hospitality sectors, and the economic, social, and environmental wellbeing of the local and global community.

Entrepreneurship Major

The entrepreneurship major focuses on the skills necessary to start a business, grow a business, or enhance creativity and innovation in a corporate environment. These skills are necessary in today's competitive business world.

Marketing Major

The Marketing major is concerned with the development and pricing of products, selection of distribution channels, and promotion of products to consumers and businesses. This major leads to careers in sales, sales management, advertising, and retailing as well as marketing management.

Sustainable Tourism and Hospitality Major

The Sustainable Tourism and Hospitality major prepares students for a variety of management positions in the hotel, restaurant, and travel and tourism fields. Students complete a set of courses that gives them a broad foundation in all areas of hospitality and tourism management.

Professor

McRae Cave Banks, *Virginia Batte Phillips Distinguished Professor*^G
James Sanders Boles^G
Cheryl C Nakata, *Professor/Joseph M. Bryan Professor of Innovation*^G

Dianne H.B. Welsh, *Charles A. Hayes Distinguished Professor of Entrepreneurship*^G
Zhiyong Yang^G

Associate Professor

Erick T. Byrd^G
Bonnie Marie Canziani^G
Merlyn A. Griffiths^G
Jiyoung Hwang^G
Esra Memili^G
Harper A. Roehm^G

Assistant Professor

Suleyman Cem Bahadir^G
In Hye Kang
Chantell M LaPan
Harrison Brandon Pugh

Lecturer

Monti James Beasley
Karae L. Foddrell
Dianne R. Garrett^G
Chanelle D. James^G
Lori A Mackowski
Sara Beth Macsween
Tiffany Marie Reynolds
William Noah Reynolds
Michael J. Riek

^G Graduate-level faculty

- Entrepreneurship, B.S. (p. 502)
- Marketing, B.S. (p. 504)
- Sustainable Tourism and Hospitality, B.A. (p. 505)
- Entrepreneurship Undergraduate Minor (p. 506)
- Professional Selling Undergraduate Minor (p. 508)

Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 472).

Marketing, Entrepreneurship, and Hospitality & Tourism Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors coursework in the major		6
3 credits of Honors coursework in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Marketing, Entrepreneurship, and Hospitality & Tourism; have that accomplishment, along with the title of the Senior Honors Project, noted on the official

transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Lori Mackowski at lamackow@uncg.edu for further information and guidance about Honors in Marketing, Entrepreneurship, and Hospitality & Tourism. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Entrepreneurship, B.S.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A cumulative GPA of at least 2.0
- Grades of C or better in courses used to meet concentration requirements

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Bryan School Pre-Admission Courses (29 credit hours)

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter. See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development or Blueprint for Personal and Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics [†]	
ECO 202	Principles of Macroeconomics [†]	
ECO 250	Economic and Business Statistics I	
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	
Select one of the following:		
ENG 101	College Writing I ^{††}	
FMS 115	Freshman Seminar in Reasoning and Discourse I ^{††}	
RCO 101	College Writing I ^{††}	
Completion of one of the following: [*]		
MAT 120	Calculus with Business Applications ^{†††}	
MAT 191	Calculus I ^{†††}	

^{*} Or a grade of C or better in any one of the following courses: MAT 115 (<https://catalog.uncg.edu/search/?P=MAT%20115>), MAT 150 (<https://catalog.uncg.edu/search/?P=MAT%20150>), MAT 151 (<https://catalog.uncg.edu/search/?P=MAT%20151>), or MAT 190 (<https://catalog.uncg.edu/search/?P=MAT%20190>).

[†] Counts toward GEC GSB requirement.
^{††} Counts toward GEC GRD requirement.
^{†††} Counts toward GEC GMT requirement.

Common Business Core (38 credit hours)

Code	Title	Credit Hours
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies [†]	
MAT 120 or MAT 191	Calculus with Business Applications or Calculus I	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy ¹	
MKT 309	Business Communications	
MKT 320	Principles of Marketing ²	
PHI 361	Ethical Issues in Business ^{††}	
SCM 302	Operations Management	
Global Sustainability Elective		
One chosen from the list below. ³		
ECO 100	Economics of a Global Sustainable Society	
BUS 130	Entrepreneurship in a Sustainable Global Environment	
GES 162	Introduction to Sustainability	
LLC 120	Global Crossings: Topics in Images, Media, and Texts	
LLC 130	Global Green: Cultures of Production and/or Consumption	
STH 200	Introduction to Sustainable Development	

¹ Sustainable Tourism and Hospitality majors are exempt from the MGT 491 requirement; a similar course, STH 491, is taken within the major requirements.
² All students pursuing the Marketing major must receive a C or better in MKT 320.
³ Or other approved Global Sustainability elective.
[†] Counts toward GEC GRD requirement.
^{††} Counts toward GEC GPR requirement.

Entrepreneurship Courses

Code	Title	Credit Hours
Core Courses		12
ENT 300	Ideas to Opportunities: Feasibility Analysis	
ENT 335	Entrepreneurial Finance	
ENT 336	Opportunities to Action: Business Plan	
ENT 450 or ENT 427	Directed Business Practice or Personal Selling Internship	
Profile Courses [*]		3
Choose one of the following Profiles:		

<i>Creative Industries</i>	
ENT 201	Creativity, Innovation, and Vision
ENT 202	Arts Admin and Entrepreneurship
ENT 276 (COURSE INACTIVE)	
ENT 320 (COURSE INACTIVE)	
ENT 321	Design Thinking and/or Entrepreneurial Thinking
ENT 327	Writing for Professionals and Entrepreneurs
ENT 394	Advanced Studio Practicum: Art and Entrepreneurship
ENT 402	Entrepreneurship in the Performing Arts
ENT 421 (COURSE INACTIVE)	
MST 424	Media Financing and Distribution
MST 425	Media Organization and Management
ENT 435	Entrepreneurship and Independent Press Publishing
ENT 455	Arts and Entrepreneurship: Career Strategies for Artists
THR 484	Theatre Management
ENT 498	Internship in Arts Administration and Entrepreneurship
<i>Education</i>	
KIN 286	Foundations of Sport Coaching
SES 396	Transition Planning and School-Based Entrepreneurship
ELC 404 (COURSE INACTIVE)	
CED 474	Contemporary Topics in Counseling
<i>Family Business</i>	
ENT 337	Family Business
ENT 354	Restaurant Entrepreneurship
ENT 451	Service Management
<i>Franchising</i>	
ENT 338	Global Franchising
<i>Health Care</i>	
BUS 305 (COURSE INACTIVE)	
ENT 307	Global Health
ENT 411	Silver Industries
CED 474	Contemporary Topics in Counseling
<i>International</i>	
ENT 130	Entrepreneurship in a Sustainable Global Environment
ENT 338	Global Franchising
ENT 342	International Entrepreneurship
<i>Social</i>	
ENT 250	Purpose-Driven Entrepreneurship
ENT 320 (COURSE INACTIVE)	
ENT 340	Social Entrepreneurship
ENT 404 (COURSE INACTIVE)	
ENT 440	Social Entrepreneurship: Justice and a Green Environment
<i>Sports</i>	
ENT 286	Foundations of Sport Coaching
<i>Technology, Innovation, and Sciences</i>	
ENT 290	

ISM 292 (COURSE INACTIVE)	
ENT 309	Entrepreneurship in the Public Sector
ENT 312	Economics of Technology
ENT 402	Entrepreneurship in the Performing Arts
ENT 410	Entrepreneurial Urban Planning
ENT 430	Researching Opportunities in Entrepreneurship and Economic Development
Direct Electives ¹	3
<i>Select at least 3 credits from the following:</i>	
ENT 130	Entrepreneurship in a Sustainable Global Environment
ENT 200	Introduction to Entrepreneurial Finance
ENT 201	Creativity, Innovation, and Vision
ENT 206	Start Something
ENT 240	Introduction to the Entrepreneurial Experience
ENT 250	Purpose-Driven Entrepreneurship
ENT 275	Entrepreneurial Personal Branding
ENT 286	Foundations of Sport Coaching
ENT 290	
ENT 309	Entrepreneurship in the Public Sector
ENT 312	Economics of Technology
ENT 324	Professional Selling **
ENT 327	Writing for Professionals and Entrepreneurs
ENT 328	Sales Leadership **
ENT 337	Family Business
ENT 338	Global Franchising
ENT 339	Entrepreneurial Leadership
ENT 340	Social Entrepreneurship
ENT 342	International Entrepreneurship
ENT 354	Restaurant Entrepreneurship
ENT 394	Advanced Studio Practicum: Art and Entrepreneurship
SES 396	Transition Planning and School-Based Entrepreneurship
ENT 402	Entrepreneurship in the Performing Arts
ENT 403	Entrepreneurial Marketing **
ENT 410	Entrepreneurial Urban Planning
ENT 411	Silver Industries
PSC 411	Topics in Public Affairs
MST 424	Media Financing and Distribution
MST 425	Media Organization and Management
ENT 427	Personal Selling Internship **
ENT 430	Researching Opportunities in Entrepreneurship and Economic Development
ENT 435	Entrepreneurship and Independent Press Publishing
ENT 440	Social Entrepreneurship: Justice and a Green Environment
PSC 440	Nonprofit Management and Leadership
ENT 450	Directed Business Practice
ENT 451	Service Management
ENT 455	Arts and Entrepreneurship: Career Strategies for Artists

CED 474	Contemporary Topics in Counseling
THR 484	Theatre Management
ENT 493	Honors Work in Entrepreneurship ***
ENT 499	Selected Topics in Entrepreneurship ***

- * To qualify for a specific Profile, the student must complete a minimum of one 3 credit course in the Profile.
- ** Entrepreneurship and Marketing double majors are permitted only 6 credits of duplicated credits. Only two of the following courses may count for both majors: ENT 328, ENT 403, ENT 427, ENT 324, and ENT 430. Entrepreneurship and Business Studies double majors, only the ENT/BUS 300 and ENT/BUS 336 courses will count for both majors.
- *** In rare cases an Independent Study focused on entrepreneurial research or a special project may qualify with faculty approval.
- ¹ Course may not be repeated for elective credit if chosen as Profile course.
- ² Only approved sections of PSC 411 qualify.

Electives

Electives sufficient to complete 120 total credit hours required for the degree.

Marketing, B.S.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A cumulative GPA of at least 2.0
- Grades of C or better in courses used to meet major requirements

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Bryan School Pre-Admission Courses (29 credit hours)

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter. See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics [†]	
ECO 202	Principles of Macroeconomics [†]	
ECO 250	Economic and Business Statistics I	
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	

Select one of the following:

ENG 101	College Writing I ^{††}
FMS 115	Freshman Seminar in Reasoning and Discourse I ^{††}
RCO 101	College Writing I ^{††}
Completion of one of the following: [*]	
MAT 120	Calculus with Business Applications ^{†††}
MAT 191	Calculus I ^{†††}

- * Or a grade of C or better in any one of the following courses: MAT 115 (<https://catalog.uncg.edu/search/?P=MAT%20115>), MAT 150 (<https://catalog.uncg.edu/search/?P=MAT%20150>), MAT 151 (<https://catalog.uncg.edu/search/?P=MAT%20151>), or MAT 190 (<https://catalog.uncg.edu/search/?P=MAT%20190>).
- [†] Counts toward GEC GSB requirement.
- ^{††} Counts toward GEC GRD requirement.
- ^{†††} Counts toward GEC GMT requirement.

Common Business Core (38 credit hours)

Code	Title	Credit Hours
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies [†]	
MAT 120 or MAT 191	Calculus with Business Applications or Calculus I	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy ¹	
MKT 309	Business Communications	
MKT 320	Principles of Marketing ²	
PHI 361	Ethical Issues in Business ^{††}	
SCM 302	Operations Management	
Global Sustainability Elective		
One chosen from the list below. ³		
ECO 100	Economics of a Global Sustainable Society	
BUS 130	Entrepreneurship in a Sustainable Global Environment	
GES 162	Introduction to Sustainability	
LLC 120	Global Crossings: Topics in Images, Media, and Texts	
LLC 130	Global Green: Cultures of Production and/or Consumption	
STH 200	Introduction to Sustainable Development	

- ¹ Sustainable Tourism and Hospitality majors are exempt from the MGT 491 requirement; a similar course, STH 491, is taken within the major requirements.
- ² All students pursuing the Marketing major must receive a C or better in MKT 320.
- ³ Or other approved Global Sustainability elective.

† Counts toward GEC GRD requirement.

†† Counts toward GEC GPR requirement.

Marketing Courses

Code	Title	Credit Hours
Required		12
MKT 320	Principles of Marketing *	
MKT 422	Fundamentals of Marketing Research	
MKT 426	International Marketing	
MKT 429	Advanced Marketing Management	
Major Electives		6
Select two of the following:		
MKT 324	Professional Selling	
MKT 325		
MKT 326	Introduction to Retailing	
MKT 328	Sales Leadership **	
MKT 330	Social Media: A Marketing Perspective	
MKT 403	Entrepreneurial Marketing **	
MKT 407	Sports Marketing	
MKT 420	Key Account Selling	
MKT 421	Promotion Management	
MKT 427	Personal Selling Internship **, 1	
MKT 424	Consumer Behavior	
MKT 444	Effective Selling	
MKT 450	Marketing Internship 1	
MKT 493	Honors Work	

* All students pursuing the Marketing major must receive a C or better in MKT 320.

** Entrepreneurship and Marketing double majors are permitted only 6 credits of duplicated credits. Only two of the following courses may count for both majors: MKT 328, MKT 403, MKT 427, and MKT 530.

1 Only one of the following internship courses may count as a Marketing major elective: MKT 427 or MKT 450.

Electives

Electives sufficient to complete 120 total credit hours required for the degree.

Sustainable Tourism and Hospitality, B.A.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A cumulative GPA of at least 2.0

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Bryan School Pre-Admission Courses (29 credit hours)

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter. See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development or Blueprint for Personal and Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics †	
ECO 202	Principles of Macroeconomics †	
ECO 250	Economic and Business Statistics I	
ISM 110	Business Computing I	
ISM 280	Information Systems in Organizations	
Select one of the following:		
ENG 101	College Writing I ††	
FMS 115	Freshman Seminar in Reasoning and Discourse I ††	
RCO 101	College Writing I ††	
Completion of one of the following: *		
MAT 120	Calculus with Business Applications †††	
MAT 191	Calculus I †††	

* Or a grade of C or better in any one of the following courses: MAT 115 (<https://catalog.uncg.edu/search/?P=MAT%20115>), MAT 150 (<https://catalog.uncg.edu/search/?P=MAT%20150>), MAT 151 (<https://catalog.uncg.edu/search/?P=MAT%20151>), or MAT 190 (<https://catalog.uncg.edu/search/?P=MAT%20190>).

† Counts toward GEC GSB requirement.

†† Counts toward GEC GRD requirement.

††† Counts toward GEC GMT requirement.

Common Business Core (38 credit hours)

Code	Title	Credit Hours
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies †	
MAT 120 or MAT 191	Calculus with Business Applications or Calculus I	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy 1	
MKT 309	Business Communications	
MKT 320	Principles of Marketing 2	
PHI 361	Ethical Issues in Business ††	
SCM 302	Operations Management	

Global Sustainability Elective	
One chosen from the list below. ³	
ECO 100	Economics of a Global Sustainable Society
BUS 130	Entrepreneurship in a Sustainable Global Environment
GES 162	Introduction to Sustainability
LLC 120	Global Crossings: Topics in Images, Media, and Texts
LLC 130	Global Green: Cultures of Production and/or Consumption
STH 200	Introduction to Sustainable Development

¹ Sustainable Tourism and Hospitality majors are exempt from the MGT 491 requirement; a similar course, STH 491, is taken within the major requirements.

² All students pursuing the Marketing major must receive a C or better in MKT 320.

³ Or other approved Global Sustainability elective.

† Counts toward GEC GRD requirement.

†† Counts toward GEC GPR requirement.

Sustainable Tourism and Hospitality Courses

Code	Title	Credit Hours
Core Courses		21
STH 231 or STH 251	Tourism, Cultures, and Places Multicultural Issues in Hospitality and Tourism	
STH 310	Hotel Operations	
STH 311	Sustainable Food and Beverage	
STH 313	Revenue Management	
STH 332	Sustainable Destination Planning and Management	
STH 451	Service Management	
STH 491	Tourism and Hospitality Strategic Management	
Major Electives		6–12
Select two of the following:		
STH 312	Greening Hotel Facilities	
STH 331	Sustainable Tourism and Transportation	
STH 345		
STH 354	Restaurant Entrepreneurship	
STH 401	Hotel and Travel Services Sales and Marketing	
STH 433	Business Tourism	
STH 445	Community-Based Sustainable Tourism Planning	
STH 459	Independent Study in Sustainable Tourism and Hospitality	
STH 473	Wine Appreciation for the Hospitality Professional	
Practice *		

STHP majors are required to work a total of 600 hours, paid or unpaid, in the tourism or hospitality industries.

* See departmental website regarding practice credit requirement.

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Entrepreneurship Undergraduate Minor

The Entrepreneurship minor, consisting of 15 credit hours, is available for majors outside of the Bryan School of Business and Economics, as well as for majors in the Bryan School—other than Entrepreneurship majors—who are in good standing with the university. Minimum average GPA of 2.0 required in all courses used toward minor. The two paths are outlined below.

Program Requirements

- Minimum of 15 credit hours

Non-Business Majors

The minor brings an entrepreneurial perspective to all major fields of study, either to start or grow a business or to be creative and innovative in any organization, profit or nonprofit. To earn an entrepreneurship minor, a student must meet the following requirements in the order listed below.

Apply

Apply for the entrepreneurship minor in the Bryan School Student Services Office, Room 301 Bryan Building

Code	Title	Credit Hours
Required		
ENT 200 or ACC 201	Introduction to Entrepreneurial Finance Financial Accounting	
ENT 300	Ideas to Opportunities: Feasibility Analysis	
ENT 336	Opportunities to Action: Business Plan	

Advising

Consult with an advisor in the Bryan School Student Services Office (Bryan 301) or Dr. Dianne Welsh, Director (Bryan 328), to select one of the nine profiles offered: Creative Industries; Education; Family Business; Franchising; Health Care; International; Social; Sports; or Technology, Innovation, and Sciences

Profile courses

Once admitted to minor, student takes at least 3 credits within the selected profile.

Electives

At least 3 credits from approved electives to meet minimum of required 15 credits

Track choice

B.A. in ECON majors, CARS majors, and STHP majors should follow the non-business track. Students in the B.S. in ECON majors should follow the Bryan School track.

Bryan School Majors

The minor is intended to bring an entrepreneurial perspective to all majors in the Bryan School. To earn an entrepreneurship minor, a student must meet the requirements listed below in the order listed.

Apply

Apply for the Entrepreneurship minor in the Bryan School Student Services Office, Room 301 Bryan Building

Code	Title	Credit Hours
<i>Required</i>		
ENT 300	Ideas to Opportunities: Feasibility Analysis	
ENT 336	Opportunities to Action: Business Plan	

Advising

Consult with an advisor in the Bryan School Student Services Office to select one of the 9 profiles offered: Creative Industries; Education; Family Business; Franchising; Health Care; International; Social; Sports; Technology, Innovation, and Sciences

Profile courses

Once admitted to minor, student takes at least 3 credits within the selected profile.

Electives

At least 6 credits from approved electives to meet minimum of required 15 credits

Profiles

3 credits from the courses listed below.

Code	Title	Credit Hours
Creative Industries		
ENT 201	Creativity, Innovation, and Vision	
ENT 327	Writing for Professionals and Entrepreneurs	
ENT 394	Advanced Studio Practicum: Art and Entrepreneurship	
ENT 455	Arts and Entrepreneurship: Career Strategies for Artists	
ENT 435	Entrepreneurship and Independent Press Publishing	
ENT 321	Design Thinking and/or Entrepreneurial Thinking	
MST 424	Media Financing and Distribution	
MST 425	Media Organization and Management	
ENT 402	Entrepreneurship in the Performing Arts	
THR 484	Theatre Management	
ENT 498	Internship in Arts Administration and Entrepreneurship	
Education		
CED 474	Contemporary Topics in Counseling	
ENT 286	Foundations of Sport Coaching	
SES 396	Transition Planning and School-Based Entrepreneurship	
Family Business		
ENT 337	Family Business	
ENT 451	Service Management	
ENT 354	Restaurant Entrepreneurship	
Franchising		
ENT 338	Global Franchising	
Health Care		
BUS 305	(COURSE INACTIVE)	

CED 474	Contemporary Topics in Counseling
ENT 307	Global Health
ENT 411	Silver Industries
International	
ENT 130	Entrepreneurship in a Sustainable Global Environment
ENT 342	International Entrepreneurship
ENT 338	Global Franchising
Social	
ENT 340	Social Entrepreneurship
ENT 440	Social Entrepreneurship: Justice and a Green Environment
ENT 250	Purpose-Driven Entrepreneurship
Sports	
ENT 286	Foundations of Sport Coaching
Technology	
ENT 290	
ENT 312	Economics of Technology
ENT 410	Entrepreneurial Urban Planning
ENT 430	Researching Opportunities in Entrepreneurship and Economic Development
ISM 292 (COURSE INACTIVE)	

Electives

Only one 200-level elective may count toward the minor. In rare cases an Independent Study focused on entrepreneurial research or a special project may qualify with faculty approval.

Code	Title	Credit Hours
ENT 130	Entrepreneurship in a Sustainable Global Environment	
ENT 200	Introduction to Entrepreneurial Finance	
ENT 201	Creativity, Innovation, and Vision	
ENT 202	Arts Admin and Entrepreneurship	
ENT 206	Start Something	
ENT 240	Introduction to the Entrepreneurial Experience	
ENT 250	Purpose-Driven Entrepreneurship	
ENT 275	Entrepreneurial Personal Branding	
ENT 286	Foundations of Sport Coaching	
ENT 290		
ENT 307	Global Health	
ENT 309	Entrepreneurship in the Public Sector	
ENT 312	Economics of Technology	
ENT 324	Professional Selling	
ENT 327	Writing for Professionals and Entrepreneurs	
ENT 328	Sales Leadership	
ENT 335	Entrepreneurial Finance	
ENT 337	Family Business	
ENT 339	Entrepreneurial Leadership	
ENT 340	Social Entrepreneurship	
ENT 342	International Entrepreneurship	
ENT 354	Restaurant Entrepreneurship	

ENT 394	Advanced Studio Practicum: Art and Entrepreneurship
ENT 396	Transition Planning and School-Based Entrepreneurship
ENT 402	Entrepreneurship in the Performing Arts
ENT 403	Entrepreneurial Marketing
ENT 410	Entrepreneurial Urban Planning
ENT 411	Silver Industries
ENT 427	Personal Selling Internship
ENT 430	Researching Opportunities in Entrepreneurship and Economic Development
ENT 435	Entrepreneurship and Independent Press Publishing
ENT 440	Social Entrepreneurship: Justice and a Green Environment
ENT 450	Directed Business Practice
ENT 451	Service Management
ENT 455	Arts and Entrepreneurship: Career Strategies for Artists
ENT 493	Honors Work in Entrepreneurship
ENT 499	Selected Topics in Entrepreneurship
CED 474	Contemporary Topics in Counseling
MST 425	Media Organization and Management
MST 424	Media Financing and Distribution
PSC 411	Topics in Public Affairs
PSC 440	Nonprofit Management and Leadership
THR 484	Theatre Management

Code	Title	Credit Hours
<i>Required</i>		
MKT 324	Professional Selling	
MKT 328	Sales Leadership	
MKT 420	Key Account Selling	
MKT 427	Personal Selling Internship	
MKT 444	Effective Selling	

* Only approved sections of the course listed qualify.

Professional Selling Undergraduate Minor

The Professional Selling Minor, consisting of 15 credits is available for majors outside of the Bryan School of Business and Economics, as well as for majors in the Bryan School, who are in good standing with the university. Minimum average GPA of 2.50 is required in all courses used toward minor.

Apply

Apply for the professional selling minor in the Bryan School Student Services Office, Room 232 Bryan Building.

Business and Non-Business Majors

The minor is useful to majors in the professional and arts and sciences fields of study, as well as business majors. The professional selling minor is intended to provide students with skills useful in sales positions and in making the individual more effective in any knowledge-based position in all major fields of study where one may need to influence people. To earn a professional selling minor, a student must meet the following requirements in the order listed below.

Program Requirements

- Minimum of 15 credit hours

SCHOOL OF EDUCATION

324 School of Education Building

336-334-5000

<http://soe.uncg.edu>

Administration

Randy Penfield, *Dean*

Jewell Cooper, *Associate Dean of Academic Affairs and Student Services*

Troy Sadler, *Associate Dean for Research*

About

The SOE has a student body of approximately 1,500 students that is among the most diverse in the UNC system. Approximately 75% of our students are enrolled in graduate programs and 25% are enrolled in undergraduate programs.

The faculty of the SOE includes nearly 100 full-time professors who are highly accomplished scholars, teachers, and partners with community organizations and schools.

The Departments in the School of Education are as follows:

- Counseling and Educational Development
- Educational Leadership and Cultural Foundations
- Educational Research Methodology
- Library and Information Science
- Specialized Educational Services
- Teacher Education and Higher Education

The Department of Teacher Education and Higher Education and the Department of Specialized Education Services offer Bachelor of Science programs several of which prepare students for the Standard Professional I License in North Carolina. Undergraduate majors include Elementary Education, Middle Grades Education, Professions in Deafness (Advocacy and Services for the Deaf; Auditory-Oral/Birth–Kindergarten Teacher Licensure; Birth–12 Deaf and Hard of Hearing Teacher Licensure; and Interpreter Preparation), Special Education, and Elementary Education and Special Education General Curriculum Dual Major with Teacher Licensure. All departments in the School of Education offer graduate programs leading to master's, specialist's, and doctoral degrees, as well.

The School of Education also supports programs in teacher education conducted under the auspices of other schools (Visual and Performing Arts; Health and Human Sciences) and departments within the College of Arts and Sciences by responding to course requirements in the areas of social, philosophical, and psychological foundations; methodology; curriculum; and student teaching. Recent emphases in competency-based curricula and individualized programming contribute to newly designed teacher education programs.

All licensure programs for school personnel are approved by the North Carolina State Department of Public Instruction. The University of North Carolina at Greensboro is accredited under the National Council for Accreditation of Teacher Education (NCATE) Standards through the CAEP Accreditation System, for a period of six years, from 2015-21. UNC Greensboro will seek accreditation under the Council for the Accreditation of Educator Preparation (CAEP) Standards in 2021. Formed in 2013,

CAEP is the single specialized accreditor for educator preparation, and administers NCATE accreditation.

The School of Education is a professional school that strives to prepare outstanding practitioners, study the profession, create and disseminate new knowledge in professional education, and engage in field services and apply research findings. A general discussion of Teacher Education may be found under School of Education Licensure Programs in this *Catalog*.

The SOE offers over 20 different graduate degree programs, many of which include a range of specialty concentrations to allow our students to focus on topics most relevant to their interests and professional goals. Degree programs include 5 undergraduate programs and 15 graduate programs spanning Master, Specialist, and Doctoral degrees. The 20 degree programs are complemented by numerous non-degree certificate and add-on licensure programs.

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Counseling and Educational Development

School of Education

228 Curry Building
336-334-3423
www.uncg.edu/ced

Craig S. Cashwell, *Chair of the Department*
L. DiAnne Borders, *Director of Graduate Study*

About

There are two primary program areas in counselor education for which the Master's and Doctorate degrees are offered: clinical mental health counseling and school counseling. Within these two program areas, the Council for Accreditation of Counseling and Related Educational Programs (CACREP), a specialized accrediting body recognized by the Council on Postsecondary Accreditation (COPA), has conferred accreditation to the following programs and specializations in the Department of Counseling and Educational Development at UNC Greensboro: clinical mental health counseling (M.S.), school counseling (M.S.), couple and family counseling (M.S.), and counseling and counselor education (Ph.D.). Applicants admitted to a program are expected to enroll as full-time students, registering for a minimum of 12 credit hours each semester. Students appointed to graduate assistantships, however, may reduce their credit load and retain full-time status.

Curriculum

The Counselor Education program faculty adheres to the scientist-practitioner model of training. Consistent with this approach is the program's goal of graduating students who have broad knowledge of counseling theory and process, possess a high level of competency in providing professional services to diverse client populations, and view assessment and research in counseling as a continuous cyclical activity

throughout the counseling process. Research is a means for obtaining and using information to generate and establish counseling goals and strategies, and for identifying "best practices" or empirically-based practices that are integral to effectiveness in counseling. The focus of this ongoing process is to bring about client change. The major tenets underlying the program include the following:

1. Exposure to a variety of theoretical orientations to counseling,
2. Reliance on both the clinical-counseling and vocational-educational approaches in designing counseling and programmatic interventions,
3. A commitment to developing the student's skills as a clinician who uses research methodology in practice,
4. A strong emphasis on the normal developmental issues of the individual as opposed to an approach based on pathology, and
5. Intentionality around challenging students to increase their self-awareness about and knowledge of diverse populations, and to use culturally-appropriate interventions in an effort to become multiculturally competent practitioners.

Especially important to the program faculty are the commitment to mental "health" (or wellness) and the value attached to understanding the common developmental themes throughout a person's life. An appealing feature is the diversity of the faculty's theoretical orientations, which translates into a variety of research opportunities available to creative students, as well as varied counseling approaches and different applied settings for gaining training experience.

To achieve the program's curriculum goals of the scientist-practitioner model of training, students are required to demonstrate satisfactory knowledge in each of the following core areas: the helping relationship; group dynamics, process, and counseling; social and cultural diversity; career and lifestyle development; appraisal of individuals; research and evaluation; and professional orientation. Available within the program requirements are courses offered by other departments that enable students to benefit from the resources of the entire University.

Required professional core courses constitute the cognitive foundation for the development of skills in providing professional services. Also available are specialized courses dealing with particular groups and environmental settings, such as courses in family intervention, counseling children and adolescents, and substance use. Supervised clinical experience in the Vacc Counseling and Consulting Clinic is offered throughout the program parallel to core and specialty courses. Supervised experience in applied settings is available on the campus as well as at off-campus sites; these include community mental health services; career counseling and placement; inpatient facilities; college counseling centers; public and private K-12 schools; child, youth, and family agencies; and sports, outreach, and alcohol and drug programs. Students are encouraged to explore internship experiences specifically tailored to their individual needs and interests. This diversity of opportunities allows students to develop programs consistent with their own particular goals and talents.

Students are given strong encouragement to participate in professional organizations and collaborate on original research projects. Opportunities for professional involvement and leadership development include the student honor association in the Department as well as state and national counseling organizations. Applied research courses are available at the entry level and required at the doctoral level. To help students design and complete high quality relevant dissertations, doctoral students are required to take courses in research design and statistics, and quantitative and qualitative methods of data analysis. In addition

to being given strong encouragement to participate in original research projects and presentations at professional meetings, students are expected to work closely with their selected professors in conducting their research projects. Close consultation with the faculty is strongly encouraged, particularly for students working on doctoral dissertations. The faculty views doctoral research as providing students with a starting point for developing an ongoing research program that continues beyond completion of their degree.

Mechanisms for student evaluation include progress evaluations by instructors, practicum supervisors, and internship supervisors, and reports from host internship supervisors. Capstone projects and comprehensive exams provide valuable feedback to students regarding their progress in the program. Faculty supervisors appraise the student's clinical skills, and this feedback is available to students.

A majority of M.S. students complete the required curriculum in two years, although students are encouraged to attend summer school after their first year in the program. School counseling students who elect to complete the add-on certificate typically complete their degree in two and a half years. Ph.D. students generally complete their degree in three years. Although a few doctoral students complete their dissertations after their full-time study at the University, students are strongly encouraged to complete all degree requirements before leaving.

Graduates are eligible for one or more state and national credentials. Because the program is CACREP-approved, all fully enrolled master's students can take the National Counselor Examination for Licensure and Certification (NCE) during their last semester of the program. The NCE is the first step toward becoming a National Certified Counselor (NCC) and a Licensed Professional Counselor (LPC) in North Carolina. In addition, the post-master's experience requirement for the NCC credential is waived. The NCC credential is a prerequisite for national specialty certifications offered by the National Board of Certified Counselors (NBCC), including school counseling and clinical mental health counseling. School counseling graduates are eligible for the "S" state school counseling license. Graduates of the clinical mental health counseling specialization in couple and family counseling qualify for the National Academy for Certified Family Therapist (NACFT) credential. Preparation for American Association of Marriage and Family Therapy (AAMFT) membership (see Departmental secretary for additional information) and for the Certified Substance Abuse Counselor (CSAC) in North Carolina also is available.

Recent graduates of the program have accepted positions in diverse settings similar to the breadth of internships available for students. The interest and talents of the students have served as the major criteria for determining the type of internship and employment obtained.

Professor

James M Benschoff^G

L. DiAnne Borders, *Burlington Industries Excellence Professor*^G

Craig S. Cashwell^G

Kelly Lynn Wester^G

Scott Young^G

Associate Professor

Carrie Wachter Morris^G

Assistant Professor

Connie T Jones^G

Clinical Assistant Professor

Allison M. Pow^G

Visiting Assistant Professor

Joy Victoria Kelly

Lindsey K Umstead

Lecturer

Maria Adele Brunelli Paredes

Wendi K Schweiger

G Graduate-level faculty

- Counseling, M.S. (p. 511)
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Counseling, M.S.

The M.S. in Counseling with a concentration either in Clinical Mental Health Counseling or School Counseling requires 60 credit hours. The M.S. in Counseling with a concentration in Couple and Family Counseling requires 66 credit hours.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a current resume/vita and a personal statement. Applicants should have vocational goals compatible with the selected program and subspecialty. Program standards are competitive and not all applicants may be admitted. Preference is given to students desiring full-time study.

Degree Program Requirements

Clinical Mental Health Counseling Concentration

Required: 60 credit hours

Required Core Areas (6 credits)

Code	Title	Credit Hours
CED 605	Counseling Diverse Populations	3
CED 612	Developmental Counseling	3

Professional Core (18 credits)

Code	Title	Credit Hours
CED 610	Helping Relationships	3
CED 620	Counseling Theories and Practice	3
CED 650	Group Counseling Theory and Practice	3
CED 669	Career Development and Career Counseling	3
CED 678	Professional Orientation	3
CED 682	Application of Measurement and Clinical Appraisal Techniques	3

Research (3 credits)

Research methods used in counseling practice, ethical and legal considerations in counseling research, CED 611 The Counselor as Scientist-Practitioner .

Specialized and Environmental Curricular Studies (12 credits as advised)

Twelve (12) credits, as advised, in one of the following areas (see departmental program planner for specific courses):

- Child and youth settings
- Clinical mental health settings
- College counseling settings
- Employment settings
- Older adult settings
- Organizational development/business and industrial settings
- Public offender settings
- Substance abuse settings
- Sports counseling settings (Students should meet with faculty in Kinesiology to plan course of study.)

Supervised Practica and Internships (18 credits)

Twelve (12) credits of counseling internship across two (2) semesters, plus three (3) credits of field practicum, three (3) credits of advanced counseling practicum, and other practicum experiences across the curriculum as required in the Schedule of Courses.

Code	Title	Credit Hours
CED 653	Practicum in Counseling *	1
CED 675	Counseling Field Practicum	3
CED 679	Advanced Counseling Practicum	3
CED 680A	Counseling Internship	6
CED 680B	Counseling Internship	6

* CED 653 does not count towards the required 18 credits.

Curricular Electives (3 credits)

Under advisement, a student will select from courses in Required Core Areas.

Collateral Expertise

A student must demonstrate satisfactory performance in professional practice. This requirement is satisfied by successfully completing practicum and internship requirements.

Comprehensive Examination (Capstone Experience)

Please consult with Departmental office for dates of this examination.

Couple and Family Counseling Concentration

Required: 66 credit hours

Required Core Areas (6 credits)

Code	Title	Credit Hours
CED 605	Counseling Diverse Populations	3
CED 612	Developmental Counseling	3

Professional Core (18 credits)

Code	Title	Credit Hours
CED 610	Helping Relationships	3
CED 620	Counseling Theories and Practice	3
CED 650	Group Counseling Theory and Practice	3
CED 669	Career Development and Career Counseling	3

CED 678	Professional Orientation	3
CED 682	Application of Measurement and Clinical Appraisal Techniques	3

Research (3 credits)

Research methods used in counseling practice, ethical and legal considerations in counseling research, CED 611 The Counselor as Scientist-Practitioner .

Specialized and Environmental Curricular Studies (21 credits)

Code	Title	Credit Hours
CED 644	Foundations of Mental Health Counseling	3
CED 642	Substance Abuse Counseling	3
CED 687	Diagnosis and Treatment Planning in Counseling	3
CED 690	Counselors Working with Families	3
CED 691	Advanced Clinical Topics in Couple and Family Counseling/Therapy *	9

* A total of 9 credits in CED 691 must be completed.

Supervised Practica and Internships (18 credits)

Twelve (12) credits of counseling internship across two (2) semesters, plus three (3) credits of field practicum, three (3) credits of advanced counseling practicum, and other practicum experiences across the curriculum as required in the Schedule of Courses.

Code	Title	Credit Hours
CED 653	Practicum in Counseling *	1
CED 675	Counseling Field Practicum	3
CED 679	Advanced Counseling Practicum	3
CED 680A	Counseling Internship	6
CED 680B	Counseling Internship	6

* CED 653 does not count towards the required 18 credits.

Collateral Expertise

A student must demonstrate satisfactory performance in professional practice. This requirement is satisfied by successfully completing practicum and internship requirements.

Comprehensive Examination (Capstone Experience)

Please consult with Departmental office for dates of this examination.

School Counseling Concentration

Required: 60 credit hours

Required Core Areas (6 credits)

Code	Title	Credit Hours
CED 605	Counseling Diverse Populations	3
CED 612	Developmental Counseling	3

Professional Core (18 credits)

Code	Title	Credit Hours
CED 610	Helping Relationships	3
CED 620	Counseling Theories and Practice	3
CED 650	Group Counseling Theory and Practice	3

CED 669	Career Development and Career Counseling	3
CED 678	Professional Orientation	3
CED 682	Application of Measurement and Clinical Appraisal Techniques	3

Research (3 credits)

Research methods used in counseling practice, ethical and legal considerations in counseling research, CED 611 The Counselor as Scientist-Practitioner .

Specialized and Environmental Curricular Studies (15 credits)

Fifteen (15) credits across elementary, middle, and high school:

Code	Title	Credit Hours
CED 641 (COURSE INACTIVE)		3
CED 648	Foundations of School Counseling	3
CED 671 (COURSE INACTIVE)		3
CED 698	Implementing and Evaluating School Counseling Programs	3
SES 540	Introduction to Special Education	3

Supervised Practica and Internships (18 credits)

Twelve (12) credits of school counseling internship across two (2) semesters, plus three (3) credits of CED 677 School Certification (counseling field practicum), three (3) credits of advanced counseling practicum and other practicum experiences across the curriculum as required in the Schedule of Courses.

Code	Title	Credit Hours
CED 653	Practicum in Counseling *	1
CED 677	School Certification	3
CED 679	Advanced Counseling Practicum	3
CED 680A	Counseling Internship	6
CED 680B	Counseling Internship	6

* CED 653 does not count towards the required 18 credits.

Collateral Expertise

A student must demonstrate satisfactory performance in professional practice. This requirement is satisfied by successfully completing practicum and internship requirements.

Comprehensive Examination (Capstone Experience)

Please consult with departmental office for dates of this examination.

Counseling, Ed.S.

The Ed.S. in Counseling allows students the opportunity to achieve a level of professional attainment (breadth and depth) beyond the M.S. degree. The Ed.S degree is available as an option for students also seeking the M.S. degree at UNC Greensboro. Program requirements must be completed for both degrees concurrently.

Concentrations are offered in Clinical Mental Health Counseling, Couple and Family Counseling, and School Counseling. All concentrations require 72 credit hours.

On average, the completion of the Ed.S. degree program takes two and a half years.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a current resume/vita and a personal statement.

Applicants should have vocational goals compatible with the selected program and subspecialty. Program standards are competitive and not all applicants may be admitted. Preference is given to students desiring full-time study.

Degree Program Requirements

Required: 72 credit hours

Clinical Mental Health Counseling Concentration

Required Core Courses (6 credits)

Code	Title	Credit Hours
CED 605	Counseling Diverse Populations	3
CED 612	Developmental Counseling	3

Professional Core (21 credits)

Code	Title	Credit Hours
CED 610	Helping Relationships	3
CED 620	Counseling Theories and Practice	3
CED 642	Substance Abuse Counseling	3
CED 650	Group Counseling Theory and Practice	3
CED 669	Career Development and Career Counseling	3
CED 678	Professional Orientation	3
CED 682	Application of Measurement and Clinical Appraisal Techniques	3

Research (3 credits)

Research methods used in counseling practice, ethical and legal considerations in counseling research, CED 611 The Counselor as Scientist-Practitioner .

Specialized and Environmental Curricular Studies (18 credits as advised)

(Prerequisite: A course in abnormal behavior.)

Choose one of the following eight areas as an emphasis:

- Child and youth settings
- Clinical mental health settings
- College counseling settings
- Employment settings
- Older adult settings
- Organizational development/business and industrial settings
- Public offender settings
- Substance abuse settings
- Sports counseling settings (Students should meet with faculty in Kinesiology to plan course of study.)

Supervised Practica and Internships (18 credits)

Twelve (12) credits of counseling internship across two (2) semesters, plus three (3) credits of field practicum, three (3) credits of advanced counseling practicum and other practicum experiences across the curriculum as required in the Schedule of Courses.

Code	Title	Credit Hours
CED 653	Practicum in Counseling *	1
CED 675	Counseling Field Practicum	3
CED 679	Advanced Counseling Practicum	3
CED 680A	Counseling Internship	6
CED 680B	Counseling Internship	6

* CED 653 does not count towards the required 18 credits.

Curricular Electives (6 credits)

Under advisement, a student will select from courses in Required Core Areas.

Collateral Expertise

A student must demonstrate satisfactory performance in professional practice. This requirement is satisfied by successfully completing practicum and internship requirements.

Comprehensive Examination (Capstone Experience)

Please consult with departmental office for dates of this examination.

Couple and Family Counseling Concentration

The Couple and Family Counseling concentration requires that students follow the basic plan of study for the Clinical Mental Health Counseling concentration but with specialized studies in couple and family counseling. Students enroll in specialized coursework to include CED 690 Counselors Working with Families, CED 691 Advanced Clinical Topics in Couple and Family Counseling/Therapy, and internships in family counseling. Other couple and family counseling coursework is selected under advisement.

School Counseling Concentration

Required Core Areas (6 credits)

Code	Title	Credit Hours
CED 605	Counseling Diverse Populations	3
CED 612	Developmental Counseling	3

Professional Core (21 credits)

Code	Title	Credit Hours
CED 610	Helping Relationships	3
CED 620	Counseling Theories and Practice	3
CED 642	Substance Abuse Counseling	3
CED 650	Group Counseling Theory and Practice	3
CED 669	Career Development and Career Counseling	3
CED 678	Professional Orientation	3
CED 682	Application of Measurement and Clinical Appraisal Techniques	3

Research (3 credits)

Research methods used in counseling practice, ethical and legal considerations in counseling research, CED 611 The Counselor as Scientist-Practitioner.

Specialized and Environmental Curricular Studies (15 credits)

Fifteen (15) credits across elementary, middle and high school:

Code	Title	Credit Hours
CED 641 (COURSE INACTIVE)		3
CED 648	Foundations of School Counseling	3
CED 671 (COURSE INACTIVE)		3
CED 698	Implementing and Evaluating School Counseling Programs	3
SES 540	Introduction to Special Education	3

Supervised Practica and Internships (18 credits)

Twelve (12) credits of school counseling internship across two (2) semesters, plus three (3) credits of field practicum, three (3) credits of advanced counseling practicum, and other practicum experiences across the curriculum as required in the Schedule of Courses.

Code	Title	Credit Hours
CED 653	Practicum in Counseling *	1
CED 677	School Certification	3
CED 679	Advanced Counseling Practicum	3
CED 680A	Counseling Internship	6
CED 680B	Counseling Internship	6

* CED 653 does not count towards the required 18 credits.

Curricular Electives (9 credits)

Under advisement, a student will select from courses in Required Core Areas.

Collateral Expertise

A student must demonstrate satisfactory performance in professional practice. This requirement is satisfied by successfully completing practicum and internship requirements.

Comprehensive Examination (Capstone Experience)

Please consult with departmental office for dates of this examination.

Counseling and Counselor Education, Ph.D.

The Ph.D. in Counseling and Counselor Education requires 82-88 credit hours beyond the master's degree. Because master's-level preparation programs vary, the doctoral program requirements are cumulative from the baccalaureate degree for entering Ph.D. students who have completed a master's degree program at another institution. The doctoral program focuses on developing professional competencies of the student through advanced study of theory and practice of counseling as it relates to research, the behavioral sciences, teaching, and clinical supervision.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, doctoral applicants are required to have graduated from a master's program in counseling or acceptable equivalent that is accredited by the Council for Accreditation of Counseling and Related Educational Programs. They also may present evidence of an appropriate degree from a regional accredited university. (CACREP requirements for a master's program are needed; if missing, these are prerequisites for admission.)

Applicants to all graduate counseling programs should have vocational goals compatible with the selected program and subspecialty. Program standards are competitive and not all applicants may be admitted. Preference is given to students desiring full-time study.

Degree Program Requirements

Required: 82-88 credit hours

Code	Title	Credit Hours
Professional Core (19 credits)		
CED 756A	Advanced Counseling Theory and Research	2
CED 756B	Advanced Counseling Theory and Research	2
CED 760A	Consultation in Counseling and Counselor Education	2
CED 760B	Leadership in Counseling and Counselor Education	2
CED 777A (COURSE INACTIVE)		2
CED 777C	Seminar in Counseling	3
CED 781A	Clinical Supervision	3
Select an elective CED (3 credits) course		3
Cognate (12 credits)		
Select 12 credits under advisement		12
Supervised Practica and Internships (15 credits) *		
CED 779	Advanced Counseling Practicum	3
CED 757	Internship in University Teaching in Counseling	3
CED 780A	Advanced Counseling Internship	6
CED 781B	Clinical Supervision	3
Research Techniques (24 credits)		
CED 720A	Research Apprenticeship	3
CED 720B	Research Apprenticeship	3
CED 740	Research Practicum in Counseling	3
CED 777B	Seminar in Counseling	3
CED 777D	Seminar in Counseling	3
Select an ERM or STA sequence (9 credits minimum)		9
Dissertation (12 credits)		
CED 799	Dissertation	12
Total Credit Hours		82

* *Note: Students who enter the doctoral program directly from their master's program will be required to complete an additional semester of internship CED 780B Advanced Counseling Internship. Students may enroll in additional semesters of teaching (CED 757 Internship in University Teaching in Counseling) and supervision (CED 781C Clinical Supervision and CED 781D Clinical Supervision), assuming successful experience in prior semesters.*

Comprehensive Examination

Requires consultation with major advisor concerning format and dates of this examination.

Advanced School Counseling, Post-Master's Certificate (Admission Suspended)

The Post-Master's Certificate in Advanced School Counseling is currently not accepting applications for admission.

Post-Master's Certificate programs are designed to meet practicing counselors' needs for professional development, in response to advances and greater specialization in the profession.

The certificate is based on national accreditation standards, competency statements, and certification standards. The certificate consists of 12 credits hours of required coursework (all online).

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions. Post-Master's Certificate applicants must hold a master's degree in counseling.

Advanced School Counseling

In addition to the application materials required by The Graduate School, applicants should submit a complete vita/resume, a statement of professional goals in applying for this certificate, a copy of the school counseling license, and a letter of endorsement from current principal or other school administrator.

A cohort model is used in the P.M.C. in advanced school counseling. The application deadline is December 1; cohorts begin each spring semester. Applications remain active for 1 year; if not accepted for one cohort, the application is considered for the next cohort.

The online advanced school counseling certificate is designed to allow fully licensed, practicing school counselors with at least 2 years experience as a school counselor to move from the "M" level license to the "S" level license.

Degree Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (12 credits)		
CED 661 (COURSE INACTIVE)		3
CED 662 (COURSE INACTIVE)		3
CED 663 (COURSE INACTIVE)		3
CED 664	Advanced Contemporary Topics in School Counseling	3
Total Credit Hours		12

Educational Leadership and Cultural Foundations

School of Education

366 School of Education Building
336-334-3490
<http://elc.uncg.edu>

Craig Peck, *Interim Chair of the Department and Director of Graduate Study for the EdS Program*
Brian Clarida, *Director of Graduate Study- MSA/PMC/Principal Fellows*
Kathy Hytten, *Director of Graduate Study for the EdD Program*
Silvia C. Bettez, *Director of Graduate Study for the PhD Program*

About

The Department of Educational Leadership and Cultural Foundations (ELC) is concerned with issues of educational theory and philosophy, sociocultural analysis, educational leadership and school organization, educational policy, and critical pedagogy. The faculty members share a sociopolitical perspective that undergirds our scholarship, teaching, and service. We are committed to the development of a just and caring democratic society in which schools serve as centers of inquiry and forces for social transformation that foster social, economic, and educational equity by honoring differences in race, class, gender, ethnicity, and sexual preference. The ELC faculty seek to prepare thoughtful and effective leaders in education through programs of study that are interdisciplinary in focus and that emphasize questions of moral concern, the cultural context of education, and a reconstructive vision for excellent and equitable schooling. Our purpose is to create change agents who work with parents, staff, students, and communities to develop critical understandings of the assumptions, beliefs, and regularities that support schooling and who identify and create practices that allow schools to function more fully as democracies while preparing students for democracy.

The department offers four graduate programs and two certificate programs: Master of School Administration, Specialist in Education in Educational Leadership, Doctor of Education in Educational Leadership, and Doctor of Philosophy in Educational Studies with a concentration in Cultural Studies and Post Masters in School Administration and Post Masters in Cultural Foundations and Social Justice Education. As a valued member of our academic community, you will have the advantage of a supportive environment in which you are known, cared for, challenged and invested in. Faculty members take your preparation and your success very seriously. For that same reason, we equip you with more than knowledge; we give you the tools and experience to understand what your future decisions in the field will mean to learners and how you can use your position to bring about positive change for education. ELC is committed to embodying our shared commitments in all of our actions, with social justice and equity as the expressed centerpiece of who we are.

A major component of this department is an undergraduate course, ELC 381, “The Institution of Education,” which is required of all students who are planning to seek teacher licensure.

Professor

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Glenn M. Hudak^G
Kathy Ann Hytten^G
Leila E. Villaverde^G

Associate Professor

Kimberly Kappler Hewitt^G
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Clinical Associate Professor

Brian Clarida^G

Assistant Professor

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Lecturer

Valerie Howard Bridges
Charles E Foust
Pam H Misher
Donna Cox Peters
Kevin L Wheat

G Graduate-level faculty

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- Educational Leadership, Ed.D. (p. 518)
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- Cultural Foundations and Social Justice Education, Post-Master’s Certificate (p. 519)
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School Administration, M.S.A.

The Master of School Administration (M.S.A.) meets state standards for North Carolina Level I administrator licensure (school principal). The degree requires 42 credit hours. Students engage the content of leadership preparation through graduate classroom engagement and assignments, observing schools and school leaders in their practice, and performing tasks under the supervision of a school-based and university mentor during the internship.

Courses are offered in the evenings during the Fall and Spring terms and at various times in the Summer term. Courses are offered off campus or in blended, online formats. Most students are enrolled part-time.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a resume or curriculum vitae and a personal statement (see departmental website for topic and details). Qualified applicants will have at least 3 years of teaching or other professional educational experience (not limited to public schools).

Application deadline: March 30

Degree Program Requirements

Required: 42 credit hours

Code	Title	Credit Hours
Required Courses (24 credits)		
ELC 616	Culturally Responsive Leadership	3
ELC 660	The School Principalship	3
ELC 670	Leadership for Teaching and Learning	3
ELC 673	Principal Leadership for Special Education	3
ELC 675	Schools as Centers of Inquiry	3
ELC 683	Engaging the Public in Education	3
ELC 684	Teacher Rights, Recruitment, Retention, and Evaluation	3

ELC 694	Cultural and Political Dimensions of Schooling	3
Electives (6 credits)		
Select two elective courses (6 credits) with advisors *		6
Required Field Experiences (12 credits)		
ELC 690	Practicum in Educational Administration **	12
Total Credit Hours		42

* *Students will work with their advisors to choose two electives (6 credits) – either in the Department or outside it – that match the student's interests and provide both content and activities that are necessary to complete the student's preparation. Advisors will encourage students to choose electives that create interdisciplinary and interprofessional connections in the student's preparation.*

** *Students are required to complete an internship experience that is the equivalent of one year of full-time administrative field experience.*

Capstone Experience

To be eligible to receive North Carolina state licensure as a principal, students must submit a Licensure Portfolio to the department for review. The portfolio will include material drawn from the student's coursework and internship and provide documentary evidence of meeting state leadership standards. ELC faculty members will review the student's portfolio for approval.

Program and Course Delivery

We offer students a coordinated blend of online and hybrid online/face-to-face courses. Our approach to program and course delivery is academically rigorous at the same time it is mindful of students' professional obligations and personal lives.

Educational Leadership, Ed.S.

The Ed.S. in Educational Leadership is 33 credit hour degree program intended for students with a previous Master of School Administration degree and/or P licensure who seek preparation for advanced building-level administrator, district-level administrator, and superintendent positions. The degree leads to eligibility for specialist-level principal licensure and superintendent licensure (AP and AS licensure).

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, the applicant must submit a resume or curriculum vitae and a personal statement (see departmental Web site for topic and details).

Degree Program Requirements

Required: 33 credit hours

Code	Title	Credit Hours
Administration and Leadership Courses (21 credits)		
Select 21 credits from the following or additional courses as approved by the student's advisor:		21
ELC 700	Critical Perspectives in Education, Leadership, and Culture	
ELC 701	The School Superintendency ¹	
ELC 702	School District Leadership	
ELC 750	Advanced Seminar in School Law Research	

ELC 751	Cases and Concepts in Educational Leadership	
ELC 790	Internship in Educational Leadership ¹	
Organizational & Instructional Leadership and Social & Cultural Foundations (9 credits)		
Select 9 credits from the following: ²		9
ELC 615	Foundations of Curriculum	
ELC 616	Culturally Responsive Leadership	
ELC 661	Ethics and Education	
ELC 672	Technology and Administrative Leadership	
ELC 675	Schools as Centers of Inquiry	
ELC 683	Engaging the Public in Education	
ELC 685	Passionate Pedagogies	
ELC 686	Curriculum Theory	
ELC 688	Contemporary Problems Seminar	
ELC 709	Introduction to Critical Pedagogy	
ELC 752	Theories in Educational Administration	
ELC 754	Personal Leadership Assessment and Enhancement	

Research (3 credits)

ELC 710	Data Literacy and Structured Inquiry ³	3
Total Credit Hours		33

¹ ELC 701 The School Superintendency *to be taken in conjunction with* ELC 790 Internship in Educational Leadership .

² *Or from other courses in curriculum & instructional leadership and social & cultural foundations.*

³ *Or from other courses in research.*

Capstone Experience

The Ed.S. Capstone experience consists of an essay and hearing.

Essay

The student will write a paper that responds to the following:

- Reflect on the ways in which your approach to leadership practice in schools (or other contexts) has changed as a result of your learning experiences in the Specialist in Education program.
- Reflecting on your coursework and the literature on education, leadership, and culture, describe the core values you want to promote in your professional practice, and discuss how they would be reflected in your response to several challenges you expect to face in your work.
- Discuss some of the lingering questions you still have about education, leadership, and culture and society, questions that may frame your personal and professional learning in the future.
- The capstone essay should be both reflective and scholarly. It should include reference citations to works that were influential in the student's development, and a properly-formatted reference list (that is, using APA format, as detailed in the 6th edition of the Publication Manual of the American Psychological Association). The essay should reflect growth beyond the student's master's degree work. A copy of the capstone paper is due to each of the 2 faculty members participating in the student's capstone hearing 2 weeks prior to the capstone hearing.
- The discussion of the capstone essay prompts (see above) should be thoroughly grounded in the professional literature. The essay should provide evidence not only of the student's professional

growth in the Ed.S. program, but it should also document how the professional literature contributed to that growth. It is likely that in order to adequately address the prompts and to ground them in the professional literature, the capstone essay will be 15-20 double-spaced pages in length, plus references.

Hearing

The capstone hearing may be an individual hearing with the student's advisor, or a group hearing with multiple students and faculty members participating in each hearing. During individual CAP hearings, the student will discuss the essay with the advisor. During group CAP hearings, each student will have 10 minutes to make a presentation about the content in their CAP essay. The student will answer questions specific to his/her presentation and dialogue about it with fellow students and faculty members. Students are welcome to use PowerPoint or other media for their individual presentations, but they are not obligated to do so.

Capstone hearings will take place during late October/November (Fall semester) or March/April (Spring semester). Students will typically be notified of the date and time for their capstone hearing by early October Fall or mid to late February Spring.

Applying for the Ed.S. Capstone

The student should provide notice of intent to complete the Capstone Experience at the beginning of the semester in which they intend to do so by submitting a written memo to their advisor and to the Coordinator of the Ed.S. program.

Educational Leadership, Ed.D.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, the applicant must submit a resume or curriculum vitae and a personal statement (see departmental website for topic and details).

Degree Program Requirements

Required: 54 credit hours

Code	Title	Credit Hours
Foundational Coursework (18 credits)		
Select 18 credits		18
Major Focus Area Coursework (12 credits)		
Select 12 credits		12
Research (12 credits)		
Select 12 credits		12
Dissertation (12 credits)		
ELC 799	Dissertation	12
Total Credit Hours		54

Foundational Coursework (18 credits)

Coursework from the areas of administration and leadership, curriculum and instruction, social and cultural foundations, or research that provides a foundation for the student's in-depth inquiry in the major focus area (see below). Coursework in this category may be counted from the Ed.S. program if courses meet Graduate School regulations and are approved by the student's doctoral committee.

Major Focus Area Coursework (12 credits)

Coursework in this category should be carefully selected to help the student develop scholarly expertise in her/his chosen area of focus within educational leadership. Focus areas and supporting coursework include the following:

Organizational and Leadership Studies

Code	Title	Credit Hours
ELC 662	Power, Politics, and Schools	3
ELC 688	Contemporary Problems Seminar	1-3
ELC 691	Urban School Organizational Leadership: Best Practices	3
ELC 752	Theories in Educational Administration	3
ELC 754	Personal Leadership Assessment and Enhancement	3

Law, Policy and Finance

Code	Title	Credit Hours
ELC 659 (COURSE INACTIVE)		3
ELC 688	Contemporary Problems Seminar	1-3
ELC 751	Cases and Concepts in Educational Leadership	3
ELC 755 (COURSE INACTIVE)		

Curricular and Instructional Leadership

Code	Title	Credit Hours
ELC 615	Foundations of Curriculum	3
ELC 672	Technology and Administrative Leadership	3
ELC 673	Principal Leadership for Special Education	3
ELC 675	Schools as Centers of Inquiry	3
ELC 686	Curriculum Theory	3
ELC 688	Contemporary Problems Seminar	1-3
ELC 709	Introduction to Critical Pedagogy	3

Social, Cultural, Historical, and Ethical Foundations of Educational Leadership

Code	Title	Credit Hours
ELC 604 (COURSE INACTIVE)		3
ELC 616	Culturally Responsive Leadership	3
ELC 661	Ethics and Education	3
ELC 663 (COURSE INACTIVE)		3
ELC 683	Engaging the Public in Education	3
ELC 688	Contemporary Problems Seminar	1-3
ELC 697 (COURSE INACTIVE)		3
ELC 721 (COURSE INACTIVE)		3

Research (12 credits)

Coursework in this category should be carefully selected to help the student develop research expertise that facilitates the completion of a high-quality dissertation. Courses may be selected from a single or multiple methodological perspectives.

Students pursuing a qualitative track would typically complete the following courses:

Code	Title	Credit Hours
ELC 665 or ELC 664	Approaches to Qualitative Inquiry Introduction to Qualitative Inquiry: A Social Justice Approach	3
Select 9 additional credits from the following: *		9
ELC 767	Qualitative Data Collection and Analysis	
ELC 688	Contemporary Problems Seminar	
ELC 666	Writing Preparation and Proposal Development	
ELC 775	Directed Doctoral Research **	
Select other research courses pre-approved by the advisor committee		

* Selected by the student in consultation with her/his committee chair.

** ELC 775 Directed Doctoral Research should not be taken until 9 credits of research courses have been completed.

Students pursuing a quantitative track would typically select, in consultation with their committee chair, from courses such as the following:

Code	Title	Credit Hours
ELC 688	Contemporary Problems Seminar	1-3
ERM 604	Methods of Educational Research	3
ERM 605	Educational Measurement and Evaluation	3
ERM 642	Evaluation of Educational Programs	3
ERM 668	Survey Research Methods in Education	3
ERM 680	Intermediate Statistical Methods in Education	3
ERM 682	Multivariate Analysis	3
ERM 732	Hierarchical Linear Modeling	3
ERM 750	Case Study Methods in Educational Research	3

Educational Studies, Ph.D.

The Ph.D in Educational Studies with a concentration in Cultural Foundations is concerned with the breadth and depth of what is fundamental to educational practice—its ideology, philosophical assumptions, and moral claims—and is grounded in the study of education and culture with a particular interest in the integration of social analysis, cultural analysis and praxis.

The program focuses on theoretical and policy issues related to educational practice. In particular the degree emphasizes the following concerns.

- A concern for the disciplined study of the relationship between culture and education, encompassing philosophy, sociology, history, critical theory and pedagogy as it pertains to issues of power, equity, access, and privilege.
- A concern for providing broad philosophical, moral, and spiritual perspectives on educational policies and practices.
- A concern for the impact of current important intellectual movements in educational theory, including feminist theory, gender studies, queer studies, critical race theory and neoliberal critiques.
- A concern for the disciplined study of the relationships among visual studies, media culture, and community engaged work.
- A concern for the interdisciplinary work and serious study of emerging forms of inquiry.

- A concern for integrating personal and professional selves and for providing synthesis, perspective, and direction.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a resume or curriculum vitae and a personal statement (see departmental website for details).

Degree Requirements

Required: 60 credit hours

Cultural Foundations Concentration

Code	Title	Credit Hours
Educational Foundations (18 credits)		
ELC 705	Foundations of Critical Theory	3
ELC 706	History of Education in the United States	3
ELC 707	Philosophies in Education	3
ELC 708	Educational Sociology: Race, Class, and Gender Power Dynamics	3
ELC 709	Introduction to Critical Pedagogy	3
Curriculum and Teaching (15-24 credits)		
Select 15-24 credits of courses that encourage a broad, critical understanding of school, pedagogy, and society		15-24
Research and Methods of Inquiry (15 credits)		
ERM 517	*	15
Dissertation (12 credits)		
ELC 799	Dissertation	12
Total Credit Hours		57-66

* Or acceptable substitute pending approval of advisor and The Graduate School.

Cultural Foundations and Social Justice Education, Post-Master's Certificate

The Post-Master's Certificate in Cultural Foundations and Social Justice Education requires 18 credit hours and offers students a broad, interdisciplinary, scholarly tradition that currently shapes cultural foundations and social justice education. Attention is given to preparing students to teach in this area. Students have five academic years to complete the certificate.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 18 credit hours

Code	Title	Credit Hours
Core Courses (15 credits)		
ELC 705	Foundations of Critical Theory	3
ELC 706	History of Education in the United States	3

ELC 707	Philosophies in Education	3
ELC 708	Educational Sociology: Race, Class, and Gender Power Dynamics	3
ELC 709	Introduction to Critical Pedagogy	3
Select one course (3 credits) from the following: *		3
ELC 661	Ethics and Education	
ELC 682	Teaching Social Justice	
ELC 685	Passionate Pedagogies	
ELC 688	Contemporary Problems Seminar	
Total Credit Hours		18

* Or another ELC course as approved by advisor.

School Administration, Post-Master's Certificate

The Post-Master's Certificate in School Administration requires 24-27 credit hours and is designed to prepare students for positions as principals or assistant principals and meets the requirements of the state legislation that supports an alternative path to school administration licensure (also known as "add-on" principal licensure).

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a current resume that details all previous leadership and professional roles and a personal statement (see departmental website for topic and details). One of the required recommendations must come from a principal or education supervisor. Some applicants may be requested to participate in an interview.

Qualified applicants will have a master's degree in education or a field closely affiliated with youth or adult development and at least 3 years of teaching or other professional educational experience (not limited to public schools).

Application deadlines: March 30 (face-to-face P.M.C.) and April 30 (online P.M.C.).

Certificate Program Requirements

Required: 24-27 credit hours

Code	Title	Credit Hours
Required Courses (12-15 credits) *		
ELC 660	The School Principalship	3
ELC 670	Leadership for Teaching and Learning	3
ELC 684	Teacher Rights, Recruitment, Retention, and Evaluation	3
ELC 694	Cultural and Political Dimensions of Schooling	3
Required Field Experiences (12 credits)		
ELC 690	Practicum in Educational Administration **	12
Total Credit Hours		24

* Based on an assessment of a student's academic and professional background as reflected in the application, the P.M.C. committee may require students to take an additional course in the ELC department to help prepare them for a school leadership role.

** Students are required to complete an internship experience equivalent to one year of full-time administrative field experience.

Capstone Experience

To be eligible to receive NC state licensure as a principal, students must submit a Licensure Portfolio to the department for review. The portfolio will include material drawn from the student's course work and internship and provide documentary evidence of meeting state leadership standards.

ELC faculty members will review the student's portfolio for approval.

Educational Research Methodology

School of Education

254 School of Education Building
336-334-3471
www.uncg.edu/erm

John Willse, Chair of the Department
Bob Henson, Director of Graduate Study

Graduates of the degree programs offered by the Department of Educational Research Methodology are prepared for careers in such settings as universities and colleges, school systems, state and federal departments of education, social service agencies, educational research and development centers, and the corporate sector. Course work is supplemented with research experience on grants and funded projects that include measurement research and evaluation that are being conducted by individual faculty and the UNC Greensboro Center for Educational Research and Evaluation.

Professor

Micheline Badih Chalhoub-Deville^G
Bob Henson^G
Richard M. Luecht^G
Randall D Penfield^G

Associate Professor

John T. Willse^G

Assistant Professor

Ayesha Sherita Boyce^G
Kyung Yong Kim^G

Clinical Assistant Professor

Devdass Sunnassee^G

Visiting Assistant Professor

Aileen Marea Reid

Lecturer

Carolyn Anne Gilbert^G
Amy Lynn Rose^G

^G Graduate-level faculty

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- Educational Research, Measurement, and Evaluation, M.S./Ph.D. (p. 522)
- Educational Research, Measurement, and Evaluation, Ph.D. (p. 522)

- Educational Research Methodology, Doctoral Minor (p. 523)
- Educational Assessment, Post-Baccalaureate Certificate (p. 523)

Educational Research, Measurement, and Evaluation, M.S.

The M.S. in Educational Research, Measurement, and Evaluation requires 33 credit hours.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Degree Program Requirements

Required: 33 credit hours

Code	Title	Credit Hours
Required Core Courses (21 credits) *		
ERM 600	Validity and Validation	3
ERM 604	Methods of Educational Research	3
ERM 642	Evaluation of Educational Programs	3
ERM 650	Foundations of Qualitative Research Methods	3
ERM 667	Foundations of Educational Measurement Theory	3
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3
Additional Required Core (6 credits)		
6 credits in one of the following concentrations must be completed:		6
<i>Measurement and Quantitative Methods Concentration</i>		
<i>Program Evaluation Concentration</i>		
Electives (6 credits)		
Select 6 credits in elective courses at the 600 level or higher **		6
Total Credit Hours		33

* *In cases where students have previously satisfied these requirements, course substitutions may be allowed with the approval of the major advisor.*

** *Electives may come from any ERM courses not included in the required core or from non-ERM courses with the approval of the major advisor.*

Comprehensive Examination (Capstone Experience)

The student will successfully complete a written comprehensive examination to be arranged by the major advisor, usually in the semester in which course work is completed.

Measurement and Quantitative Methods Concentration

Code	Title	Credit Hours
Required Courses (6 credits)		
ERM 682	Multivariate Analysis	3
ERM 669	Item Response Theory	3
Total Credit Hours		6

Program Evaluation Concentration

Code	Title	Credit Hours
Required Courses (6 credits)		
ERM 643	Applied Educational Evaluation	3
ERM 645	Culturally Responsive Approaches to Research and Evaluation	3
Total Credit Hours		6

Accelerated B.A. or B.S. to M.S. in Educational Research, Measurement, and Evaluation

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Degree Program (ADP) in Educational Research Methodology. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNCG is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Standard application requirements for the Master of Science degree program (i.e., undergraduate transcript(s), GRE scores, three letters of recommendation, personal statement) apply to the ADP.

All applicants must submit the Request for Accelerated Degree Program to The Graduate School and must simultaneously apply for admission to the Educational Research Methodology Master of Science degree program. Admitted students may apply a maximum of 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degrees, provided that they earn a grade of 3.5 or better in each graduate course and fulfill graduate-level requirements.

ADP Courses

As with all graduate students in Education Research Methodology, courses counted toward the Master of Science (M.S.) degree need the prior approval of the Director of Graduate Study. Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of "B" (3.0) or better in the course and fulfill graduate-level requirements.

The M.S. degree requires 33 credit hours of graduate-level course work. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete an additional 18 credits of graduate-level coursework to complete the M.S. degree. Please see the University Catalog for a full description of the M.S. degree requirements.

The following courses have been identified as those that may be counted toward the M.S. degree while also counting toward the students bachelor degree. These courses have been chosen because they are well suited to ADP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the MS degree must be approved with the Director of Graduate Study. The following courses may be counted toward the bachelor and master's degrees:

Code	Title	Credit Hours
ERM 600	Validity and Validation	3
ERM 604	Methods of Educational Research	3
ERM 642	Evaluation of Educational Programs	3

ERM 650	Foundations of Qualitative Research Methods	3
ERM 667	Foundations of Educational Measurement Theory	3
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3

Substitutions for the above courses require the permission of the Director of Graduate Study in the Educational Research Methodology department.

Degree Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the B.A. or B.S. program.

Educational Research, Measurement, and Evaluation, M.S./Ph.D.

The Ph.D. in Educational Research, Measurement, and Evaluation requires 78 credit hours beyond the baccalaureate degree (for student’s entering the program in the M.S./Ph.D. track).

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Degree Program Requirements

Required: 78 credit hours

Code	Title	Credit Hours
Required Core Courses (24 credits) ¹		
ERM 600	Validity and Validation	3
ERM 604	Methods of Educational Research	3
ERM 642	Evaluation of Educational Programs	3
ERM 650	Foundations of Qualitative Research Methods	3
ERM 667	Foundations of Educational Measurement Theory	3
ERM 668	Survey Research Methods in Education	3
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3
Additional Required Core (12 credits)		
12 credits in one of the following concentrations must be completed: 12		
Measurement and Quantitative Methods Concentration		
Program Evaluation Concentration		
Electives (30 credits)		
Select 30 credits in elective courses at the 600 level or higher ²		
30		
Dissertation		
ERM 799	Dissertation ³	12
Total Credit Hours		78

¹ In cases where students have previously satisfied these requirements, course substitutions may be allowed with the approval of the major advisor.

² Electives may come from any ERM courses not included in the required core or from non-ERM courses with the approval of the major advisor. At least 15 credits must be ERM courses.

³ Research that culminates in the preparation of a required doctoral dissertation.

Comprehensive Examination

Students are required to take the M.S. comprehensive exam following 24 credits of core courses and electives. Students must successfully pass the M.S. comprehensive exam and formally apply to graduate from the M.S. program by The Graduate School deadline before taking courses in the doctoral program.

The student will successfully complete a written comprehensive examination to be arranged by the doctoral advisor, usually in the semester in which course work is completed.

Measurement and Quantitative Concentration

Code	Title	Credit Hours
Required Courses (12 credits)		
ERM 633	Second Language Assessment and Testing	3
ERM 669	Item Response Theory	3
ERM 682	Multivariate Analysis	3
ERM 685	R for Education and the Social Sciences	3
Total Credit Hours		12

Program Evaluation Concentration

Code	Title	Credit Hours
Required Courses (12 credits)		
ERM 643	Applied Educational Evaluation	3
ERM 645	Culturally Responsive Approaches to Research and Evaluation	3
ERM 720	Evaluation and Public Policy	3
ERM 743	Advanced Theory in Program Evaluation	3
Total Credit Hours		12

Educational Research, Measurement, and Evaluation, Ph.D.

The Ph.D. in Educational Research, Measurement, and Evaluation requires 60 credit hours.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Degree Program Requirements

Required: 60 credit hours

Code	Title	Credit Hours
Required Core Courses (18 credits) ¹		
ERM 600	Validity and Validation	3
ERM 642	Evaluation of Educational Programs	3
ERM 650	Foundations of Qualitative Research Methods	3
ERM 667	Foundations of Educational Measurement Theory	3
ERM 668	Survey Research Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3
Additional Required Core (12 credits)		
12 credits in one of the following concentrations must be completed: 12		
Measurement and Quantitative Methods Concentration		

*Program Evaluation Concentration***Electives (18 credits)**Select 18 credits in elective courses at the 600 level or higher ² 18**Dissertation (12 credits)**ERM 799 Dissertation ³ 12

Total Credit Hours 60

¹ In cases where students have previously satisfied these requirements, course substitutions must be made pending agreement of the major advisor.

² Electives may come from any ERM courses not included in the required core or from non-ERM courses with the approval of the major advisor. At least 9 credits must be ERM courses.

³ Research that culminates in the preparation of a required doctoral dissertation.

Comprehensive Examination

The student will successfully complete a written comprehensive examination to be arranged by the doctoral advisor, usually in the semester in which coursework is completed.

Measurement and Quantitative Methods Concentration

Code	Title	Credit Hours
Required Courses (12 credits)		
ERM 633	Second Language Assessment and Testing	3
ERM 669	Item Response Theory	3
ERM 682	Multivariate Analysis	3
ERM 685	R for Education and the Social Sciences	3
Total Credit Hours		12

Program Evaluation Concentration

Code	Title	Credit Hours
Required Courses (12 credits)		
ERM 643	Applied Educational Evaluation	3
ERM 645	Culturally Responsive Approaches to Research and Evaluation	3
ERM 720	Evaluation and Public Policy	3
ERM 743	Advanced Theory in Program Evaluation	3
Total Credit Hours		12

Educational Research Methodology, Doctoral Minor**Program Requirements**

Required: 15 credit hours

Code	Title	Credit Hours
Select 15 credits from the following:		15
ERM 600	Validity and Validation	
ERM 633	Second Language Assessment and Testing	
ERM 636	Advanced Studies in Second Language Testing	
ERM 642	Evaluation of Educational Programs	

ERM 643	Applied Educational Evaluation	
ERM 667	Foundations of Educational Measurement Theory	
ERM 668	Survey Research Methods in Education	
ERM 669	Item Response Theory	
ERM 675	Data Presentation and Reporting	
ERM 680	Intermediate Statistical Methods in Education	
ERM 681	Design and Analysis of Educational Experiments	
ERM 682	Multivariate Analysis	
ERM 685	R for Education and the Social Sciences	
ERM 726	Advanced Topics in Educational Measurement	
ERM 727	Computer-Based Testing: Methods and Applications	
ERM 729	Advanced Item Response Theory	
ERM 731	Structural Equation Modeling in Education	
ERM 732	Hierarchical Linear Modeling	
ERM 734	Equating	
ERM 735	Multidimensional Item Response Theory	
ERM 742	Advanced Topics in the Evaluation of Educational Programs	
ERM 750	Case Study Methods in Educational Research	
Total Credit Hours		15

Educational Assessment, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Educational Assessment requires 15 credit hours and provides school district testing coordinators or school administrators the opportunity to acquire focused education in educational assessment and evaluation.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 15 credit hours

Code	Title	Credit Hours
Required Courses (15 credits)		
ERM 517 (COURSE INACTIVE)		3
ERM 604	Methods of Educational Research	3
ERM 605	Educational Measurement and Evaluation	3
ERM 642	Evaluation of Educational Programs	3
ERM 675	Data Presentation and Reporting	3
Total Credit Hours		15

Library and Information Science*School of Education*

446 School of Education Building
336-334-3477
www.uncg.edu/lis

Lisa O'Connor, Professor and Chair of the Department
Nora Bird, Director of Graduate Study

Mission

The central mission of the program is to “connect people, libraries, and information through research, teaching and service to enrich living and working in a global environment.” This informs the work of its faculty, students and alumni.

This program is accredited by the American Library Association and leads to the Master of Library and Information Science degree and appropriate state-level certification for school media personnel and public librarians.

About

The Master of Library and Information Science program prepares its graduates for an exciting and rewarding career in a field that is broad and deep in its vocational variety and committed to freedom of speech, equitable access to information and lifelong learning. The program is accredited by the American Library Association and graduates find positions in academic, public, school and special libraries, as well as in a wide array of other information work.

The M.L.I.S. program is available on the main campus in Greensboro and also totally online for students unable to attend class in Greensboro. Our online program is based on a philosophy of connection and for many classes attendance at synchronous web sessions is required. It is a 36 credit hour degree program designed for either working or full-time students and the average completion rate is 2.5 years for part-time study. There are only four core courses that cover the essential concepts common to all information work and these are supplemented by a full complement of elective courses in specialized information resources, archival management and computer applications. Every student works with an advisor to construct a program that fits the student’s interests, background and career aspirations. There is room for customization with the possibility of two independent study courses and a practicum, or field experience.

The Department also offers the degree with a school library focus that has additional accreditation by the Council for the Accreditation of Educator Preparation (formerly NCATE). This concentration includes all of the courses necessary to prepare students for licensure by the North Carolina Department of Public Instruction which carries reciprocity with many other states.

Associate Professor

Nora Jean Bird^G
Anthony Shong-Yu Chow^G
Julia A. Hersberger^G
Lisa Gaye O’Connor^G
Fatih Oguz^G

Assistant Professor

April M Dawkins^G
Noah J Lenstra^G
Heather Michele Moorefield Lang
LaTeshia M Velez^G

Clinical Assistant Professor

Sonia Marie Archer-Capuzzo^G
T Zachary Frazier^G
Tammy A Gruer

Lecturer

Sedley Tompkins Abercrombie
Lisa Kay-Ludescher Barron

Becky Ann Croxton
Joanna Lynn Depolt^G
Joy M Doan
Valerie Ann Freeman
Richard J. Moniz^G
Rebecca J. Morris^G
Mike Christopher Renne
Kevin M. Washburn
Jimi Andrew Wilson

^G Graduate-level faculty

- Information Studies, B.S. (p. 524)
- Library and Information Studies, M.L.I.S. (p. 525)
- Special Endorsement in Computer Education, Post-Baccalaureate Certificate (p. 526)

Information Studies, B.S.

Overall Requirements

- 120 credit hours
- Minimum grade of C required in all courses listed under Major Requirements
- Students must have a grade point average of 2.5 for admission into this program.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Required		27
LIS 200	Information Use in a Digital World [*]	
IST 201		
IST 300		
IST 301		
IST 304		
ERM 410		
IST 423		
IST 466		
IST 498	**	

^{*} This course is a prerequisite to all other Major Requirements.
^{**} This course is taken the last semester of program.

Academic Concentration Requirements

12 credits with a grade of C or better as listed below.

All students majoring in Information Studies are required to complete an approved academic concentration consisting of 12 credits in one of the following areas: Organizational & Community Informatics, Information

Technology Training and Development, or Geographic Information Systems.

Select one of the concentrations as detailed following the major requirements.

- Organizational and Community Informatics
- Information Technology Training and Development
- Geographic Information Systems

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Organizational and Community Informatics Concentration Requirements

Code	Title	Credit Hours
Organizational & Community Informatics		
<i>Choose at least 12 credit hours:</i>		
ISM 216		
ISM 201	Essentials of Cyber Security	3
ISM 280	Information Systems in Organizations	3
ISM 301	Systems and Process Analysis	3
IST 443		
IST 468		3
IST 488		3
IST 491		3
IST 498		3
LIS 530	Researching Opportunities in Entrepreneurship and Economic Development	3

Information Technology Training and Development Concentration Requirements

Code	Title	Credit Hours
Information Technology Training and Development		
<i>Choose at least 12 credit hours:</i>		
ERM 405	Measurement and Assessment in Teaching	
IST 436		
IST 468		
IST 472		
IST 473		
IST 488		
IST 491		
IST 498		

Geographic Information Systems Concentration Requirements

Code	Title	Credit Hours
Geographic Information Systems		
<i>Choose at least 12 credit hours:</i>		
GES 121	Introduction to Geographic Information Science	
GES 322	Research Methods in Geography	
GES 357	Principles of Cartography	

GES 358	Geographic Information Systems
GES 359	Remote Sensing of Environment
GES 421	Geographic Information Science
IST 491	
IST 498	

Library and Information Studies, M.L.I.S.

The Master of Library and Information Studies (M.L.I.S.) emphasizes the rapidly changing library and information field and prepares students for positions of leadership in school, public, special, and academic libraries and other information centers, and for a variety of roles in both public and private agencies as information specialists. The M.L.I.S. requires 36 credit hours. In addition to the general M.L.I.S. degree, there are two concentrations that students may choose with their M.L.I.S.: the Instructional Technology concentration and the School Library Media Coordinator concentration. The Instructional Technology (077) licensure concentration requires 36 credit hours and prepares students to apply for 077 licensure in North Carolina. The School Library Media Coordinator concentration requires 36 credit hours and prepares students to apply for 076 licensure. All M.L.I.S. graduates may qualify for North Carolina Public Library Certification.

The M.L.I.S. program is accredited by the American Library Association and is approved by the North Carolina Department of Public Instruction for the licensure of school library media personnel. The school library media specialist program is approved by NCATE using the AASL/ALA professional education association guidelines.

The M.L.I.S. program with all concentrations is offered on the UNC Greensboro campus and online.

In addition to the application materials requested by The Graduate School, applicants for the M.L.I.S. program and for the licensure only programs must submit a resume and personal statement. Admission for all programs are processed as received and there is no fixed deadline for fall and spring admission. Applicants are urged to submit complete applications as early as possible for thorough review.

Degree Program Requirements

Required: 36 credit hours

Code	Title	Credit Hours
Required Core Courses (15 credits)		
LIS 600	Foundations of Library and Information Studies	3
LIS 620	Information Sources and Services	3
LIS 640	Information Organization and Access	3
LIS 650	Leadership and Management in Information Organizations	3
LIS 698	Capstone Experience in Library and Information Studies	3

Additional Technology Requirement (3 credits)

Select 3 credits with advisement from the following:		3
LIS 630	Computer-Related Technologies for Information Management	
LIS 631	Emerging Technological Trends in Information Access	

LIS 632	
LIS 635	Media Production Services for Library Programs
Electives (18 credits)	
Select 18 credits with advisement from graduate courses in Library and Information Studies or cognate fields *	18
Total Credit Hours	36

* Students in licensure programs in schools or state certification in public libraries should confer with faculty advisors for specific requirements.

M.L.I.S. with Instructional Technology (077) Licensure Concentration

Required: 36 credit hours

The instructional technology (077) licensure concentration is designed for teachers and other candidates who wish to focus their studies on instructional technology as it relates to library and information studies.

Code	Title	Credit Hours
M.L.I.S. Core Courses (15 credits)		
LIS 600	Foundations of Library and Information Studies	3
LIS 620	Information Sources and Services	3
LIS 640	Information Organization and Access	3
LIS 650	Leadership and Management in Information Organizations	3
LIS 698	Capstone Experience in Library and Information Studies	3
Concentration Courses (21 credits)		
LIS 631	Emerging Technological Trends in Information Access	3
LIS 632		3
or LIS 630	Computer-Related Technologies for Information Management	
LIS 635	Media Production Services for Library Programs	3
LIS 691	Practicum	3
TED 610	Integrating Technology into Subject Matter Instruction	3
LIS 672	Instructional Design	3
SES 662	Assistive Technology for Inclusive Education	3
Total Credit Hours		36

M.L.I.S. with School Library Media Coordinator (076) Licensure Concentration

Required: 36 credit hours

The School Library Media Coordinator (076) licensure only program is designed for anyone with a M.L.I.S. degree who would like to work in public school libraries. Students without a current North Carolina teaching license will be required to take additional course work including an additional practicum.

Code	Title	Credit Hours
M.L.I.S. Core Courses (15 credits)		
LIS 600	Foundations of Library and Information Studies	3
LIS 620	Information Sources and Services	3

LIS 640	Information Organization and Access	3
LIS 650	Leadership and Management in Information Organizations	3
LIS 693	Practicum/Capstone Experience in School Library Media	3
Designated Electives (12 credits)		
LIS 617	Materials for Children	3
or LIS 618	Materials for Adolescents	
LIS 635	Media Production Services for Library Programs	3
LIS 653	The School Library	3
LIS 654	School Library Media Specialist and the Curriculum	3
Electives (9 credits)		
Select electives to total at least 36 credit hours		9
Total Credit Hours		36

Special Endorsement in Computer Education, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate for Special Endorsement in Computer Education requires 18 credit hours and is offered jointly by the departments of Library and Information Science and Teacher Education and Higher Education. The certificate provides educators with extensive knowledge and skills to work with students and other teachers to use computers in on-going instructional programs and to serve as a computer education leader for a school. Completion of the certificate provides NC licensed teachers the opportunity to fulfill requirements to apply for the NC endorsement for the position of Technology Facilitator. Offered on-campus or online.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the requirements set forth by The Graduate School, applicants must submit a resume and personal statement and currently hold a NC teaching license.

Certificate Program Requirements

Required: 18 credit hours

Code	Title	Credit Hours
Required Courses (18 credits)		
TED 610	Integrating Technology into Subject Matter Instruction	3
LIS 630	Computer-Related Technologies for Information Management	3
LIS 631	Emerging Technological Trends in Information Access	3
LIS 635	Media Production Services for Library Programs	3
SES 662	Assistive Technology for Inclusive Education	3
LIS 672 (COURSE INACTIVE)		3
Total Credit Hours		18

Specialized Education Services

School of Education

444 School of Education Building
336-334-5843
www.uncg.edu/ses

Stephanie Kurtts, *Associate Professor and Interim Chair of Department*
Sam Parker, *Clinical Professor and Interim Associate Chair of Department*
Pamela Williamson, *Director of Graduate Study*

About

The primary goal of the Department of Specialized Education Services is to prepare professionals for diverse roles in working with individuals with disabilities and individuals who are D/deaf or hard of hearing across the life span in a variety of educational and community environments. Programs in the department emphasize the delivery of services in the continuum settings, with a focus on interdisciplinary and interagency collaboration.

Upon graduation from the undergraduate programs, students are prepared for professional careers in public and private schools, residential settings, community agencies, clinics, and organizations. Faculty teaching, research, and service activities facilitate these outcomes.

Upon graduation from the graduate programs, students are prepared for leadership roles in early childhood, special education, and deaf education that enable them to assume positions such as consultant, teacher, early interventionist, community college teacher, special services administrator, advocate, researcher, and university faculty member or other leadership roles.

All students in SES programs are required to demonstrate that they have read, understand, and are able to completely meet the technical standards for their programs. Technical standards are outlined in each program's handbook. All students in SES programs must have reliable transportation to and from practicum and/or internship sites.

The department also offers several graduate interdisciplinary programs jointly with the Department of Human Development and Family Studies: a M.Ed. in Birth-Kindergarten Interdisciplinary Studies in Education and Development; a Post-Baccalaureate Certificate in Birth-Kindergarten Initial Licensure; and a Post-Baccalaureate Certificate in Leadership in Infant and Toddler Learning. For information about these programs, see the Birth Through Kindergarten section under Interdisciplinary Programs at <https://catalog.uncg.edu/interdisciplinary-programs/birth-kindergarten/>.

Accreditation(s)

All teacher education programs are fully accredited by the Council for Accreditation of Educator Preparation. Graduate study in the Department of Specialized Education Services may lead to teacher licensure with the degree of Master of Education. All students enrolled in SES programs must meet departmental technical standards.

Professor

Claudia M. Pagliaro^G
Diane Lea Ryndak^G

Clinical Professor

Samuel Deveau Parker^G

Associate Professor

Stephanie A. Kurtts^G
Salih Rakap^G
Marcia Lee Rock^G

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Lecturer

Jennifer Mendoza Beasley
Christina A. Bunch
Pam W Carter
Jean Lanier DeGrella
Jennifer Lynn Jones
Meredith Jordan Kaplan
Susan Joann Kingsley
Judith E. Labath
Joanna Kathleen Lower
Virginia Graham Madorin
Jessica Apgar McCord
Kelle Lea Owens
Alicia Tate
Glenda S. Torres
Emilee Belton Transou
Wendy McDonald Walker
Betsy Anne Wood
Nannie Bowman Wooten

^G Graduate-level faculty

- Elementary Education and Special Education: General Curriculum Dual Major, B.S. (p. 528)
- Professions in Deafness, B.S. (p. 529)
- Special Education: General Curriculum, B.S. (p. 533)
- Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed. (p. 535)
- Special Education: General Curriculum, M.Ed. (p. 536)
- Special Education, Ph.D. (p. 537)
- Alternative Initial Teacher Licensure, Post-Baccalaureate Alternative Initial Teacher Licensure (PAIL) (p. 537)
- Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate (p. 538)
- Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate (p. 538)

* These interdisciplinary programs are jointly offered by the Department of Specialized Education Services and the Department of Human Development and Family Studies:

- Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed.
- Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate
- Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate

Specialized Education Services Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		

Recognition

Receive a Certificate of Disciplinary Honors in Specialized Education Services; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Jon Henner at j_henner@uncg.edu for further information and guidance about Honors in Specialized Education Services. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Elementary Education and Special Education: General Curriculum Dual Major, B.S.

The Departments of Teacher Education and Higher Education and Specialized Education Services offer a dual major in elementary education and special education. Students completing the dual major will have initial licensure in elementary education K–6 and special education: general curriculum K–12. Students must be admitted to the teacher education program during the fall of their sophomore year and will begin professional course work spring of the sophomore year.

The 120 credit hour dual major in elementary education and special education follows the admission guidelines to the School of Education teacher programs regarding

1. Achievement of minimum passing score requirements set forth by the North Carolina Department of Public Instruction on the Professional Assessment for Beginning Teachers (Praxis I);
2. The recommendation of the departments; and
3. Completion of at least 12 credits at UNC Greensboro [waived for transfer students who meet GPA requirements, have departmental recommendation, and have passed the Professional Assessment for Beginning Teachers (Praxis I)].

Additional departmental requirements include:

1. A grade of C or better in a qualifying course* and
2. Completion of all courses needed to fulfill the UNC Greensboro general education requirements (GEC).

A minimum 3.0 GPA is required for admission.

* Additional departmental requirements include a grade of C or better in a qualifying course: either TED 250 or SES 250.

Admission to Student Teaching

3.0 or better GPA, recommendation of departments, and C (2.0) or better in professional courses.

Overall Requirements

- 120 credit hours

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirement

Code	Title	Credit Hours
Elementary Education		
TED 250 or SES 250	Teaching as a Profession Introduction to Professions in Specialized Education	
TED 222	Mathematics for Teaching	
TED 320	Language Arts Education	
TED 335	Language Foundations for Teachers	
TED 350	Internship I: Inquiry in Teaching and Learning	
TED 360	Integrating the Social Studies in Elementary Grades	
TED 370	Science Education in the Elementary School	
TED 380	Mathematics Education	
TED 400	Internship III: Inquiry in Teaching and Learning	
TED 420	Reading Education	
TED 428	Advanced Methods in the Elementary Grades	
Special Education		
SES 252	Survey of Learning and Behavior Differences	
SES 352	Interprofessional and Instructional Field Experience 3	
SES 360	Assessment for Exceptional Learners	
SES 447	Service Delivery Systems and Role Management	
SES 460	Home-School Partnerships for Students with Exceptional Needs	
SES 465	Student Teaching: Students with Mild and/or Moderate Disabilities	
SES 466	Positive Behavior Supports for Exceptional Learners	
SES 469	Reading Instruction for Learners with Disabilities	
SES 469L	Laboratory in Mild Disabilities: Reading Instruction	

SES 471	Teaching Exceptional Learners the General Curriculum I
SES 472	Teaching Exceptional Learners the General Curriculum II
Student Teaching *	
SES 465	Student Teaching: Students with Mild and/or Moderate Disabilities
SES 475	Student Teaching Seminar: Students with Mild and/or Moderate Disabilities
Teacher Licensure Requirements	
<i>Select one of the following:</i>	
ARE 367	Child Art and Teaching
DCE 345	Dance in Preschool and Elementary Settings
MUE 361	Music for Preschool and Elementary Teachers
THR 315	Creative Drama for the Classroom Teacher
HDF 302	Infant and Child Development [†]
LIS 120	Introduction to Instructional Technology for Educational Settings
SPA 101	Beginning Spanish I
or SPA 121	Basic Spanish for Teachers

* *Students will student-teach for a total of 12 credits Ten weeks in an elementary education setting that enrolls students with identified disabilities and six weeks in a secondary special education setting is required. This will apply to the courses listed as part of the requirements above that are noted below.*

[†] *Counts toward GEC GSB requirement.*

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Professions in Deafness, B.S.

The Professions in Deafness B.S. offers three concentrations from which students may choose. All areas of study focus on the unique educational needs of deaf and hard of hearing children emphasizing language acquisition, teaching methods, and communication modes. Specialized training in communication modes is offered through sign classes and the Sign Language Laboratory. Supervised experiences are available for student observations, volunteer work, and practicum in area public schools and other settings.

See also School of Education Licensure Programs for Teacher Education admission requirements.

Advocacy and Services for the Deaf Concentration

The Advocacy and Services for the Deaf concentration is designed to prepare professionals to work with individuals who are Deaf or hard of hearing in a variety of settings other than K–12 schools. Students in the concentration have required courses in SES and a variety of options regarding course work in related fields and departments. Students will have acquired the skills necessary for jobs in Resource Centers for the Deaf, Service Centers for the Deaf, Vocational Rehabilitation, Mental Health services, and group home settings.

Upon completion of the Advocacy and Services for the Deaf program, students are able to:

- Identify and explain the services/roles of different community agencies available to individuals who are Deaf or hard of hearing.
- Identify specific needs of individuals who are Deaf or hard of hearing relative to their age, gender, ethnicity, and English language ability to identify appropriate services in the community where these individuals' needs may be addressed.
- Identify different helping professions and select one in which they would like to pursue graduate-level studies.
- Discuss the organizational structures and funding sources of community agencies that advocate for and serve individuals who are Deaf or hard of hearing.
- Take part in collaborating with service providers from multiple agencies to develop a rehabilitation/habilitation plan for clients who are Deaf or hard of hearing.

Interpreter Preparation Concentration

The Interpreter Preparation concentration provides training at the undergraduate level to prepare students to work as interpreters for Deaf and Hard of hearing individuals in the community as well as in educational settings. Internships take place in inclusive settings in the public schools, post-secondary institutions, and in the community.

Students desiring to pursue a degree in interpreting must:

- have adequate visual and auditory abilities necessary to interpret in a variety of settings.
- have time available in their schedules for the purpose of interacting with the Deaf Community and completing their observation, community service, and interpreting hours.
- be physically capable of completing all movements that occur in the production of American Sign Language that is conveyed via hands, mouth, morphemes, eyebrows, torso, eyes, and facial expressions.
- have reliable transportation to and from practicum and/or observation sites.

Upon completion of this program, students will be able to:

- Demonstrate a basic level of proficiency in interpreting consecutively and/or simultaneously from the source language to the target language via American Sign Language or various forms of English.
- Incorporate various interpreting and facilitation techniques with regard to the setting and the age, gender, ethnicity, and special needs of the clients involved.
- Articulate the roles and responsibilities of the interpreter/transliterater as well as the Code of Ethics, health issues, certification process, and best practices established by the profession.
- Discuss the audiological, social, emotional, linguistic, cultural and academic implications for individuals who are Deaf or hard of hearing and their impact on the interpreting process.
- Utilize the broad spectrum of information learned through various liberal arts, communication, and educational courses to enhance their ability to interpret general discourse within several fields.
- Assess their interpreting/transliterating performance and develop a plan for continued professional growth.

K-12 Deaf and Hard of Hearing Teacher Licensure Concentration

The K–12 Deaf and Hard of Hearing Teacher Licensure program provides preparation at the undergraduate level for students planning to provide educational services for children who are D/deaf or hard of hearing from kindergarten through grade 12 and for school-aged learners with mild to moderate disabilities (specific learning disabilities, emotional disabilities,

and mild intellectual disabilities). Students successfully completing all program requirements will be recommended for initial licensure from the North Carolina Department of Public Instruction in K–12 Deaf and Hard of Hearing Teacher Licensure and in Special Education: General Curriculum (K–12). Coursework and field work are designed to ensure that graduates acquire the twenty-first-century professional teaching knowledge and skills to communicate with and facilitate language and academic learning in students with hearing loss and students with mild to moderate disabilities.

Student Learning Goals

Students completing the program are able to:

- Demonstrate understanding of current federal and North Carolina law and policy related to special education and related services.
- Explain the basic educational and clinical concepts relative to definitions, characteristics, identification, and diagnosis of students with hearing loss and students with mild to moderate disabilities.
- Demonstrate a comprehensive working knowledge of language through spoken and signed communication, and implement programs for infants, young children, and youth who are D/deaf or hard of hearing that successfully incorporate these understandings.
- Use a variety of assessments to develop educational plans, document learning, and evaluate the effectiveness of instruction with young children and youth who are D/deaf or hard of hearing and with students in K–12 settings who have mild to moderate disabilities.
- Facilitate access to the standard curriculum by young children and youth who are D/deaf or heard of hearing and by school aged learners with mild to moderate disabilities based on communicative, linguistic, social, and cognitive abilities of the learner.
- Work collaboratively with other school professionals, paraprofessionals, parents, and community and agency personnel to meet the needs of students with mild to moderate disabilities and/or those with hearing loss.

Advocacy and Services for the Deaf Concentration

Admission Process

There is no formal admission into the program. Upon enrollment in the university, students must meet with the advisor designated for their specific concentration to review forms outlining technical standards, dispositions, and program requirements. Students must then satisfy the progression requirements in order to continue in the program.

Progression Requirements

1. Satisfactory progress on Dispositions Review each semester
2. Continued demonstration of required competencies outlined in the Technical Standards
3. Passing scores on the Professions in Deafness program benchmark assessments. If the student does not pass any of the benchmark assessments, they will not be permitted to continue in the program.
4. Achievement of a B- or higher in SES courses
5. Achievement of the following minimum GPA Requirements:
Freshman year– 1.75
Sophomore year– 2.0
Junior and Senior year– 2.50

Interpreter Preparation Concentration

Admission Process

There is no formal admission into the program. Upon enrollment in the university, students must meet with the advisor designated for their specific concentration to review forms outlining technical standards, dispositions, and program requirements. Students then must satisfy the progression requirements in order to continue in the program.

Progression Requirements

1. Satisfactory progress on Dispositions Review each semester
2. Continued demonstration of required competencies outlined in the Technical Standards
3. Passing scores on the Professions in Deafness program benchmark assessments. If a student does not pass any of the benchmark assessments, they will not be permitted to continue in the program.
4. Achievement of a B- or higher in SES courses
5. Achievement of the following minimum GPA Requirements:
 - a. Freshman year–1.75
 - b. Sophomore year–2.0
 - c. Junior and Senior year–2.50

K–12 Deaf and Hard of Hearing Teacher Licensure Concentration

Program Admission Requirements

1. Documentation of an overall 3.0 or better GPA and 20 hours of documented successful experience with children
2. A passing score on the PEPSI (Program Entry Potential Signing and Interpreting) and SPIL (Sign Potential at the Intermediate Level)
3. Signed and completed forms outlining Technical Standards, Dispositions, and Program Requirements
4. Grade of B- or better in specified course*
5. Completed application form and successful acceptance into the Teacher Education Program
6. A passing score on Praxis I or documented passing scores on the SAT and/or ACT as required by the NC Department of Public Instruction

* Specified Course SES 250.

Progression Requirements

1. Grades
Maintain an overall GPA 3.0 or better throughout the program and receive at least a B- or better grade in all SES and related area courses. A student will be required to retake any SES or related area course if he or she earns a grade lower than B- in the course.
2. Admission
Students must be admitted to Teacher Education before enrolling in the courses listed below.

Code	Title	Credit Hours
Required		51
SES 252	Survey of Learning and Behavior Differences	
SES 321	Seminar/Practicum with Deaf Students I	
SES 350	Interprofessional and Instructional Field Experience 1	
SES 351	Interprofessional and Instructional Field Experience 2	

SES 360	Assessment for Exceptional Learners
SES 378	Language Teaching Methods with Deaf Students
SES 447	Service Delivery Systems and Role Management
SES 451	Spoken Language Facilitation in Deaf Children
SES 461	Internship in Teaching Students with Hearing Loss
SES 466	Positive Behavior Supports for Exceptional Learners
SES 469	Reading Instruction for Learners with Disabilities
SES 469L	Laboratory in Mild Disabilities: Reading Instruction
SES 471	Teaching Exceptional Learners the General Curriculum I
SES 472	Teaching Exceptional Learners the General Curriculum II
SES 483	Instructional Methods: Students with Hearing Loss

Fieldwork and Student Teaching Internship

Students complete three field experiences prior to student teaching. Before being placed at a school site for student teaching, a student must earn a passing score on the Sign Proficiency Test. Students must have reliable transportation to and from practicum and/or internship sites.

Sign Proficiency Requirement

Students progress in developing receptive and expressive American Sign Language (ASL) throughout their course work. Prior to being placed for student teaching, students must pass the Sign Proficiency Test.

Competency Assessment (PEPSI)

The Program Entry Potential for Signing and Interpreting (PEPSI) is delivered during the course listed below.

Code	Title	Credit Hours
SES 101	American Sign Language I [†]	

Competency Assessment (SPIL)

The Signed Proficiency at the Intermediate Level (SPIL) is delivered during the course listed below.

Code	Title	Credit Hours
SES 102	American Sign Language II	

Program Completion Requirements

Students must be admitted to the Teacher Education program at least one semester before being admitted to Student Teaching. Practicum and student teaching internship experiences take place within the Piedmont area in public and private school programs.

Students will be required to take and attain passing scores on standardized tests required by the NC Department of Public Instruction before being recommended for licensure.

Students will be required to complete an electronic teaching portfolio of successfully completed required artifacts before being recommended for licensure.

Transfer students may require additional semesters to complete the undergraduate degree program.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Advocacy and Services for the Deaf
- Interpreter Preparation
- K–12 Deaf and Hard of Hearing Teacher Licensure

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Advocacy and Services for the Deaf Concentration Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Code	Title	Credit Hours
Required		48
SES 200	People with Disabilities in American Society	
SES 245	History and Culture of the Deaf Community	
SES 357	The Profession of Interpreting	
SES 445	Advocacy and Services for the Deaf	
SES 463	Visual English Systems	
SES 467	Advocacy and Services for the Deaf Internship	
SES 480	Interpreting in Specialized Settings	
SES 486	Seminar and Practicum	
<i>Select a minimum of 15 credits from the following:</i>		
SES 101	American Sign Language I	
SES 102	American Sign Language II	
SES 203	American Sign Language III	
SES 204	American Sign Language IV	
SES 305	American Sign Language: English Translation	
SES 306	Advanced Narrative Structures and Storytelling in American Sign Language	
SES 366	Discourse Analysis: English/American Sign Language	
SES 369	Linguistics of American Sign Language	

Related Area Requirements

CST 105	Introduction to Communication Studies
CST 207	Relational Communication
CED 310	Helping Skills
CED 393 (COURSE INACTIVE)	
HDF 211	Human Development Across the Life Span [†]
or HDF 212	Families and Close Relationships
HDF 304	Adult Development
or HDF 321	Issues in Parenting
HEA 310	Mental Health and Well-Being
PSY 121	General Psychology
SOC 101	Introduction to Sociology
SOC 327	Race and Ethnic Relations
SWK 215	Introduction to Social Work

[†] Counts toward GEC GSB requirement.

Electives

Code	Title	Credit Hours
<i>Select a minimum of 21 credits from the following:</i>		
CSD 334	Introduction to Audiology	
CST 200	Communication and Community	
CST 210	Communicating Ethically	
CST 308	Organizational Communication	
CST 337	Intercultural Communication	
CST 341	Communication and Workplace Relationships	
CST 342	Communication and Public Relations: Strategies and Innovations	
CTR 101	Leisure and American Lifestyles	
HDF 302	Infant and Child Development	
HDF 303	Adolescent Development: From Puberty to Young Adulthood	
HEA 260	Human Sexuality	
HEA 447	Income, Social Status, and Health	
PSY 260	Psychological Perspectives on Social Psychology	
PSY 341	Abnormal Psychology	
PSY 346	The Psychology of Gender	
SES 240	Communication Development in Children	
SES 252	Survey of Learning and Behavior Differences	
SES 270	Fingerspelling and Numbers in ASL	
SES 333	Special Projects	
SES 357	The Profession of Interpreting	
SES 370	American Sign Language/Deaf Literature	
SES 400	Perspectives on the Global Deaf Community	
SES 460	Home-School Partnerships for Students with Exceptional Needs	
SES 498	Interpreting in Social Service Settings	
SES 499	Theatrical/Artistic Uses of American Sign Language	
SOC 222	Sociology of Deviant Behavior	
SOC 317	Criminal Justice	
SOC 335	Marriage and the Family	
SOC 350	Juvenile Delinquency	

SOC 371	Immigration, Ethnicity, and Race in a Global Context
SWK 310	Social Policy and Services
SWK 311	Human Behavior and Social Environment
SWK 315	Social Work, Diversity, and Vulnerable Populations

Interpreter Preparation Concentration Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Code	Title	Credit Hours
Required		27
<i>Language Requirements</i>		
SES 101	American Sign Language I	
SES 102	American Sign Language II	
SES 203	American Sign Language III	
SES 204	American Sign Language IV	
SES 305	American Sign Language: English Translation	
SES 366	Discourse Analysis: English/American Sign Language	
SES 369	Linguistics of American Sign Language	
SES 370	American Sign Language/Deaf Literature	
Core Requirements		59
SES 240	Communication Development in Children [†]	
SES 244	Cognitive Processing Skills for Interpreting	
SES 245	History and Culture of the Deaf Community	
SES 357	The Profession of Interpreting	
SES 409	Interpreting Strategies: Language Facilitation	
SES 411	Diagnostics and Assessment of Interpreters	
SES 445	Advocacy and Services for the Deaf	
SES 446	Working with Diverse Deaf Populations	
SES 462	Interpreting in Educational Settings	
SES 463	Visual English Systems	
SES 477	Interpreting English to ASL I	
SES 478	Interpreting English to ASL II	
SES 480	Interpreting in Specialized Settings	
SES 486	Seminar and Practicum	
SES 487	Interpreting Internship	
SES 488	Interpreting ASL to English I	
SES 496	Interpreting ASL-to-English II	

Related Area Requirements		6
CST 105	Introduction to Communication Studies	
<i>Select one of the following:</i>		
HDF 211	Human Development Across the Life Span	
HDF 212	Families and Close Relationships	
HDF 302	Infant and Child Development	

[†] Counts toward GEC GSB requirement.

Electives

Code	Title	Credit Hours
<i>Select a minimum of 6 credits from the following:</i>		
CST 207	Relational Communication	

CST 337	Intercultural Communication
ELC 381	Cultural Foundations of Education
ENG 262	Language and Society
ENG 321	Linguistics for Teachers
HEA 113	Medical Terminology for Public Health Professionals
HEA 201	Personal Health
HEA 260	Human Sexuality
HEA 310	Mental Health and Well-Being
ISM 110	Business Computing I
PSY 121	General Psychology
PSY 341	Abnormal Psychology
SES 100	Visual Gestural Communication
SES 200	People with Disabilities in American Society
SES 252	Survey of Learning and Behavior Differences
SES 270	Fingerspelling and Numbers in ASL
SES 333	Special Projects
SES 400	Perspectives on the Global Deaf Community
SES 460	Home-School Partnerships for Students with Exceptional Needs
SES 495	Interpreting in Medical Settings
SES 497	Interpreting in Mental Health Settings
SES 498	Interpreting in Social Service Settings
SES 499	Theatrical/Artistic Uses of American Sign Language
SOC 101	Introduction to Sociology
SOC 225	Race, Class, and Gender: Social Inequalities
STA 108	Elementary Introduction to Probability and Statistics
TED 445	Human Diversity, Teaching, and Learning

K–12 Deaf and Hard of Hearing Teacher Licensure Concentration Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Code	Title	Credit Hours
Major Courses		82-84
SES 101	American Sign Language I	
SES 102	American Sign Language II	
SES 203	American Sign Language III	
SES 204	American Sign Language IV	
SES 240	Communication Development in Children	
SES 245	History and Culture of the Deaf Community	
SES 250	Introduction to Professions in Specialized Education	
SES 251	Introduction to Deaf Education	
SES 252	Survey of Learning and Behavior Differences	
SES 321	Seminar/Practicum with Deaf Students I	
SES 333	Special Projects	
SES 350	Interprofessional and Instructional Field Experience 1	

SES 351	Interprofessional and Instructional Field Experience 2
SES 360	Assessment for Exceptional Learners
SES 378	Language Teaching Methods with Deaf Students
SES 451	Spoken Language Facilitation in Deaf Children
SES 460	Home-School Partnerships for Students with Exceptional Needs
SES 461	Internship in Teaching Students with Hearing Loss
SES 463	Visual English Systems
SES 466	Positive Behavior Supports for Exceptional Learners
SES 469 & 469L	Reading Instruction for Learners with Disabilities and Laboratory in Mild Disabilities: Reading Instruction
SES 471	Teaching Exceptional Learners the General Curriculum I
SES 472	Teaching Exceptional Learners the General Curriculum II
SES 481	Instructional ASL for Educating Deaf Students
SES 483	Instructional Methods: Students with Hearing Loss
Related Area Requirements *	
CSD 334	Introduction to Audiology
TED 401	Child and Adolescent Development and Learning
TED 403	Teaching English Learners with Diverse Abilities

* See also *Program Progression Requirements* above.

Additional Requirements

In addition to course work, the items below must be accomplished.

- Completion of the Program Entry Potential for Sign Language Interpreters (PEPSI)
- Completion of the Signed Proficiency at the Intermediate Level (SPIL)
- Passing score on the Sign Proficiency Test

Portfolio Requirement

Completion and submission of the electronic teaching portfolio via TaskStream.

Special Education: General Curriculum, B.S.

The Special Education Program provides opportunities for the study of school-age learners with mild to moderate disabilities (learning disabilities, behavior and/or emotional disabilities, and educable mental disabilities). Students enrolling in this program learn about trends and issues in the field of special education, characteristics and needs of students with mild to moderate disabilities, specialized teaching methods for working with these students, strategies for collaboration with parents and/or families and colleagues, positive means for providing behavior supports, and technology applications that support students' education.

In addition to courses in the major area, students elect a second academic concentration (e.g., psychology, sociology, interdepartmental studies). Field experiences and student teaching take place at local public and private schools with students who have mild to moderate disabilities. Students completing this program and its requirements

are eligible for licensure by the North Carolina Department of Public Instruction in special education: general curriculum (K-12).

Transfer students may require additional semesters to complete this undergraduate degree program.

Also see Teacher Education and Higher Education for Teacher Education admission requirements and second academic concentration requirements.

Student Learning Goals

Students completing the teacher preparation program in Special Education: General Curriculum are able to:

- Demonstrate understanding of current federal and North Carolina law and policy related to special education and related services.
- Explain the basic educational and clinical concepts relative to definition, characteristics, identification, and diagnosis of students with mild to moderate disabilities.
- Create or revise program models for effective special education service delivery, including transition, based on a system of care philosophy and issues related to competent professional role management.
- Use exemplary diagnostic, instructional, and therapeutic approaches, including those based on technology applications, for effectively and positively meeting the academic and social and/or emotional needs of students with mild to moderate disabilities.
- Evaluate the effectiveness of students’ special education programs and services as well as overall program and service structures.
- Work collaboratively with other school professionals, paraprofessionals, parents, and community and agency personnel to meet the needs of students with mild to moderate disabilities.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
<i>Required</i>		
SES 200	People with Disabilities in American Society	
SES 240	Communication Development in Children	
SES 250	Introduction to Professions in Specialized Education	
SES 252	Survey of Learning and Behavior Differences	
SES 350	Interprofessional and Instructional Field Experience 1	
SES 351	Interprofessional and Instructional Field Experience 2	
SES 352	Interprofessional and Instructional Field Experience 3	

SES 360	Assessment for Exceptional Learners
SES 447	Service Delivery Systems and Role Management
SES 460	Home-School Partnerships for Students with Exceptional Needs
SES 465	Student Teaching: Students with Mild and/or Moderate Disabilities
SES 475	Student Teaching Seminar: Students with Mild and/or Moderate Disabilities
SES 466	Positive Behavior Supports for Exceptional Learners
SES 469	Reading Instruction for Learners with Disabilities
SES 469L	Laboratory in Mild Disabilities: Reading Instruction
SES 471	Teaching Exceptional Learners the General Curriculum I
SES 472	Teaching Exceptional Learners the General Curriculum II

Teacher Licensure Requirements

Students must have a 3.0 overall grade point average to be admitted to teacher education, and a 3.0 grade point average in all courses with an SES prefix in order to be admitted to student teaching. Students must earn a C or better in program course work. Students must also have a passing score on the Praxis I, as required by the North Carolina Department of Public Instruction, to be admitted to the Teacher Education Program. In addition to the General Education Core Requirements as identified above, students must complete the following courses:

Code	Title	Credit Hours
<i>Required</i>		
LIS 120	Introduction to Instructional Technology for Educational Settings	
SPA 101 or SPA 121	Beginning Spanish I Basic Spanish for Teachers	
TED 450	Psychological Foundations of Education	
TED 335	Language Foundations for Teachers	
TED 445	Human Diversity, Teaching, and Learning	

Second Academic Concentration Requirement

All students majoring in Special Education: General Curriculum are required to complete an approved second academic concentration consisting of course work in an academic discipline.

The following 18 credits concentrations have been approved for Special Education: General Curriculum: Biology, Chemistry and Biochemistry, English, History, Interdisciplinary Science, Mathematics, and Physics and Astronomy.

The following 24 credit concentration has been approved for Special Education: General Curriculum: Spanish.

Electives

Electives sufficient to complete the 120 credits required for degree.

Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed.

The synchronous online Master of Education (M.Ed.) program in Birth-Kindergarten Interdisciplinary Studies in Education and Development is offered jointly by the Department of Human Development and Family Studies and the Department of Specialized Education Services. The program prepares students to assume leadership roles in diverse settings (both education and community-based) that develop and implement programming for young children with and without disabilities, ages birth to five, and their families. The degree consists of a minimum of 37 credit hours of graduate course work beyond the bachelor's degree.

Two concentrations are offered: one in Early Childhood Leadership and Advanced Teaching Licensure and another in Early Childhood Leadership and Program Administration.

The concentration in Early Childhood Leadership and Advanced Teaching Licensure is designed for students with a Standard Professional I or initial license seeking education in early childhood leadership and an advanced teaching license. Those with an initial license in another field of education must satisfy prerequisite requirements and complete eight weeks of student teaching (which adds 6 credit hours to the program). Students are eligible for the "M" advanced license in BK upon successful completion of the program.

The concentration in Early Childhood Leadership and Program Administration equips teachers, directors/administrators, technical assistance providers, and other professionals working closely with early childhood educators to be leaders in the field. It includes advanced training in a variety of areas, including personnel development and support, financial management, early childhood systems and policy, leadership and mentoring, child and program assessment, and curriculum within the context of family-centered practices to work effectively with diverse children and families in inclusive settings.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Applicants must submit an application to The Graduate School, which includes: a professional statement, a current resume, official transcripts with a GPA of 3.0 or higher, and three letters of recommendation with at least one academic reference if possible. Applicants to the Early Childhood Leadership and Advanced Teaching Licensure Concentration must also submit documentation of their initial teaching license. The GRE is not required. An interview and writing sample may be required.

Degree Program Requirements

Required: 37 credit hours

Additional academic work may need to be completed by students without foundational skills or content knowledge in early childhood. Credits may only be applied toward the M.Ed. degree from Birth-Kindergarten Initial Licensure or Leadership in Infant and Toddler Learning Post-Baccalaureate Certificate courses (see Birth-Kindergarten: Initial Licensure or Leadership in Infant and Toddler Learning Post-Baccalaureate Certificate program requirements). The amount of credit that may be applied toward the M.Ed. degree varies depending on the concentration a M.Ed. student selects. Examples of courses that may be applied toward the M.Ed. degree program include SES 601 Introduction

to Inclusive Birth-Kindergarten Services and SES 603 Screening/Assessment in Inclusive Early Childhood Services.

Code	Title	Credit Hours
Core Courses Required for Both Concentrations (21 credits)		
<i>Course Work Related to Theory and Practice (15 credits)</i>		
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 602	Inclusive Family-Centered Practices in Early Childhood	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
HDF 633	Advanced Curriculum in Early Childhood Education	3
HDF 636	Leadership and Mentoring in Educating Young Children	3
<i>Course Work Related to Research (6 credits)</i>		
ERM 604	Methods of Educational Research	3
HDF 650	Theory and Research in Early Childhood	3
Concentration (10 credits)		
Select one of the following concentrations:		10
<i>Early Childhood Leadership and Advanced Teaching Licensure Concentration</i>		
<i>Early Childhood Leadership and Program Administration Concentration</i>		
Practicum (6 credits)		
SES 604	Internship in Inclusive Early Childhood	6
Total Credit Hours		37

Professional Portfolio (Capstone Experience)

The final portfolio is the culminating experience. It includes two components:

1. A written document that includes a series of reflective essays and
2. An oral defense, discussing the content of the essays and rationale for the use of documents.

This portfolio will demonstrate the mastery of skills and knowledge in the program competency areas. It is submitted by the student and evaluated by a team of two faculty and one practicing professional. If the portfolio and presentation do not meet departmental standards, one revision is allowed. The final portfolio is required of all students graduating from the program.

Early Childhood Leadership and Advanced Teaching Licensure Concentration

Code	Title	Credit Hours
In addition to the core courses, the Early Childhood Leadership and Advanced Teaching Licensure Concentration requires:		
Course Work Related to Theory and Practice (4 credits)		
HDF/SES 606	Preschool-Kindergarten Learning in Inclusive Settings	4
Electives (6 credits)		
Select 6 credits from the following: *		6
HDF 634	Contemporary Issues in Early Childhood Policy	
HDF 653	Contemporary Research in Family Studies	

HDF 730	Cross-Cultural Perspectives on Child Development	
SES 605	Diversity and Inclusive Early Care and Education	
SES/HDF 607	Infant-Toddler Learning in Inclusive Settings	
SES 647	Collaboration and Leadership	
SES 662	Assistive Technology for Inclusive Education	
Practicum (6 credits)		
SES 649C	Practicum in Special Education **	6
Total Credit Hours		16

* To be selected from list or with approval of advisor. Other courses with approval of advisor.

** As applicable, if student's initial licensure is in an area other than Birth-Kindergarten.

Early Childhood Leadership and Program Administration Concentration

Code	Title	Credit Hours
In addition to the core courses, the Early Childhood Leadership and Program Administration Concentration requires:		
Course Work Related to Theory and Practice (4 credits)		
HDF 602	Special Topics in Human Development and Family Studies	4
Required Electives (6 credits)		
HDF 634	Contemporary Issues in Early Childhood Policy	3
SES 605	Diversity and Inclusive Early Care and Education	3
Total Credit Hours		10

Special Education: General Curriculum, M.Ed.

The Masters of Education (M.Ed.) program in Special Education: General Curriculum is designed to provide the opportunity for students licensed in special education or another area of education to gain advanced skills in serving students with disabilities. Students with a license in education but not special education will need to successfully complete two prerequisite courses (6 credits) before beginning the M.Ed. program. Throughout the course work, students have numerous opportunities to use cases and problem-based learning that include appropriate implementation of inclusive practices. The M.Ed. program leads to eligibility for advanced licensure in Special Education: General Curriculum. At least 27 credit hours in the program of study must be in 600-level courses.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a resume and personal statement of goals, past experience, and unique skills. Applicants must submit all application materials required by The Graduate School by the appropriate deadline. Students are admitted in Fall, Spring, and Summer semesters.

Degree Program Requirements

Required: 33 credit hours

Prerequisites for Students Without Initial Licensure in Special Education

Code	Title	Credit Hours
SES 540	Introduction to Special Education	3
SES 659	Behavior Management	3

Required Coursework

Code	Title	Credit Hours
SES 610	Ecologically Based Instruction	3
SES 611	Universal Design for Learning	3
SES 612	Transition Across the Age-Span	3
SES 642	Reading Instruction	3
SES 643	Special Education Trends/Issues	3
SES 645	Advanced Seminar: Special Education	3
SES 647	Collaboration and Leadership	3
SES 652	Writing Instruction	3
SES 656	Math and Science Instruction	3
SES 658	Positive Behavior Supports	3
ERM 604	Methods of Educational Research	3
Total Credit Hours		33

All department programs are fully accredited by the National Council for the Accreditation of Teacher Education. Graduate study in the Department of Specialized Education Services may lead to advanced teacher licensure with the degree of Master of Education. All students enrolled in SES programs must meet departmental technical standards.

Additional Requirements for ALL Special Education M.Ed. Students

Portfolio (Capstone Experience)

In addition to satisfactorily completing the above coursework, students also are required to submit a portfolio of work that demonstrates their mastery of knowledge and skills in the six program competency areas: multiple service delivery models, interdisciplinary planning and service delivery, advanced skills for assessing learner needs, advanced skills for effective instruction, collaborative planning and intervention, and improved special education services. Each student's portfolio will be developed in consultation with an advisor and will be based on the student's particular educational and work experiences. The portfolio is designed during the initial semester, refined each semester, and evaluated during the last semester prior to planned graduation. Detailed instructions for completing the portfolio are provided on the SES website (http://www.uncg.edu/ses/gradprog/med_special_edu.html).

Reflective Essays

Prior to the completion of the program, each student is required to submit reflective essays that speak adequately to the ways in which products included in the portfolio meet program objectives and demonstrate attainment of competencies required for advanced licensure. An oral presentation related to the reflective portfolio and essays also are required. If the portfolio and presentation do not meet departmental standards, one revision is allowed. Detailed instructions for completing the reflective essays are located on the SES website (www.uncg.edu/ses/gradprog/med_special_edu.html).

Special Education, Ph.D.

The Ph.D. in Special Education is intended for students interested in special education, deaf education, or early intervention. The program requires a minimum of 69 credit hours beyond the master's degree, and it emphasizes four areas: generating knowledge to help shape the future of the field; sharing knowledge with others so that they can understand it and use it to improve their practice; facilitating strong professional relationships through collaboration; and creating, interpreting, and implementing special education policy and procedures. Required and elective courses, including the research component, are listed below. Students in the SES doctoral program are required to successfully complete all listed course work. Additional course requirements are determined on an individual basis and in consultation with the student's major advisor and advisory/dissertation committee.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a resume and Personal Statement of goals, past experience and unique skills. Applicants must have 3 years of related professional experience.

Degree Program Requirements

Required: 69-81 credit hours

Code	Title	Credit Hours
Doctoral Seminars in Special Education (15 credits)		
SES 753	Issues and Trends in Special Education	3
SES 755	Critical Review of Special Education Literature	3
SES 757	School Reform and Leadership in Special Education	3
SES 758	History and Future of Specialized Education	3
SES 759	Grant Writing in Special Education	3
Research/Inquiry (27-30 credits)		
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3
SES 760	Single Subject Research Design	3
SES 775	Directed Research (May be repeated once)	3-6
TED 730	Qualitative Methods in Curriculum and Instruction	3
TED 738	Mixed Methods Research Design in Curriculum and Instruction	3
ERM XXX	A third quantitative methods course selected with advice and approval of the student's doctoral committee members	3
TED XXX	A second qualitative methods course selected with advice and approval of the student's doctoral committee members	3
TED XXX	A third qualitative methods course selected with advice and approval of the student's doctoral committee members	3
Professional Practice (6-12 credits)		6-12
SES 761	Coaching and Supervision of Teaching & Learning (Required)	
SES 763	College Teaching & Adult Learning Theory (Required)	

ERM 642	Evaluation of Educational Programs (Optional)	
ERM 643	Applied Educational Evaluation (Optional)	
Specialization (9-12 credits) *		
Select 6 credits minimum from courses in a related area of interest		6-9
SES 749	Internship in Specialized Education	3
Dissertation (12 credits) **		
SES 799	Dissertation	12
Total Credit Hours		69-81

* Students are expected to work closely with the major advisor and advisory/dissertation committee members to identify a set of courses in a related area of interest that forms a specialization, including an internship. This course work may be in the areas of counseling, educational leadership, teacher education, early childhood, family studies, psychology, or others.

** Each candidate for a doctoral degree must prepare and present a dissertation that focuses on some aspect of special education, that is, in one of the three areas noted above (early childhood, special education, deaf education). This product must demonstrate independent investigation and a synthesis of the skills learned in the program. The dissertation must be acceptable in form and content to the student's dissertation committee and The Graduate School.

Alternative Initial Teacher Licensure, Post-Baccalaureate Alternative Initial Teacher Licensure (PAIL)

The Post-Baccalaureate Alternative Initial Teacher Licensure (PAIL) program is designed to provide the opportunity for initial teacher licensure in Special Education: General Curriculum to individuals who have an undergraduate degree in a field other than special education. In PAIL, students complete foundation courses in assessment in special education, instructional practices for students with mild to moderate disabilities, learning theory, and models of teaching. Specialty area courses in instructional practices for students with mild to moderate disabilities provide an introduction to the field, methods for teaching in the field, programming for the field, and clinical field experience. Throughout the course work, students have numerous opportunities to use cases and problem-based learning that include appropriate implementation of inclusive practices.

Students also have an option for transitioning from this program into the M.Ed. program in which they may be eligible for an advanced license in special education general curriculum. Course work from the plan of study for the Post-Baccalaureate Alternative Initial Teacher Licensure program in Special Education: General Curriculum may be applied to the M.Ed. in Special Education provided the student meets all admission requirements of The Graduate School and the Department of Specialized Education Services.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a resume and Personal Statement of goals, past experience and unique skills.

Students who wish to transition into the M.Ed. program must submit a new application for the M.Ed. to The Graduate School. It is the students' responsibility to initiate the process and review it with their advisor. It is

recommended that the student take the GRE within the first 6 credit hours of study to guarantee a timelier processing of their application package. Students must maintain a GPA of 3.0.

Licensure Requirements

Required: 21 credit hours

Code	Title	Credit Hours
Special Education: General Curriculum (21 credits)		
SES 540	Introduction to Special Education	3
SES 640	Policies and Procedures in Special Education	3
SES 641	Assessment in Special Education	3
SES 642	Reading Instruction	3
SES 652	Writing Instruction	3
SES 659	Behavior Management	3
SES 661	Student Teaching: Special Education	3
Total Credit Hours		21

PAIL with M.Ed. in Special Education General Curriculum

Courses listed in General Curriculum plus the following 18 credits:

Code	Title	Credit Hours
ERM 604	Methods of Educational Research	3
SES 643	Special Education Trends/Issues	3
SES 647	Collaboration and Leadership	3
SES 649 (COURSE INACTIVE)		3
SES 658	Positive Behavior Supports	3
SES 660 (COURSE INACTIVE)		3
Total Credit Hours		18

Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Birth-Kindergarten (BK) Initial Licensure provides training for students with a bachelor's degree seeking an initial NC Birth-Kindergarten teaching license. This certificate program requires 20 credit hours and is offered jointly by the departments of Human Development and Family Studies and Specialized Education Services. The program is designed to provide students with graduate level training and an initial teaching license in BK. Students also have an option for transitioning from this program into the M.Ed. program in which they may be eligible for an advanced license in BK. Coursework from the plan of study for the Post-Baccalaureate Certificate may be applied to the M.Ed. in Birth to Kindergarten: Interdisciplinary Studies in Education and Development provided the student meets all admission requirements of The Graduate School, the Department of Human Development and Family Studies and the Department of Specialized Education Services.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The certificate is available to individuals with a bachelor's degree in early childhood education, child development, early childhood special education, or a related field. Students who wish to transition into the M.Ed. program must submit a new application for the M.Ed. to The

Graduate School. It is the students' responsibility to initiate the process and review it with their advisor.

Certificate Program Requirements

Required: 20 credit hours

Code	Title	Credit Hours
BK Initial Licensure Required Courses (20 credits)		
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
SES/HDF 606	Preschool-Kindergarten Learning in Inclusive Settings	4
SES/HDF 607	Infant-Toddler Learning in Inclusive Settings	4
SES 649C	Practicum in Special Education	6
Total Credit Hours		20

Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Leadership in Infant and Toddler Learning requires 19 credit hours and is offered jointly by the departments of Human Development and Family Studies and Specialized Education Services. The program is designed to provide students with graduate level training and a credential to pursue careers in leadership positions in early care and education settings focusing on infants and toddlers, including early intervention, Smart Start, resource and referral, and community college instruction.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The certificate is available to students with a bachelor's or master's degree who do not plan to pursue a degree program or for students who are pursuing a master's degree in Human Development and Family Studies or Specialized Education Services. If pursuing a master's degree simultaneously, students must meet all requirements for admission to The Graduate School, Human Development and Family Studies, and Specialized Education Services.

The certificate is also open to graduate students with background knowledge in early childhood education, child development, early childhood special education, or a closely related field. Students who are enrolled in the LITL certificate program and wish to enroll in the M.Ed. program must submit a new application for the M.Ed. program to The Graduate School. It is the student's responsibility to initiate the process and, if accepted to the M.Ed. program, review program requirements with the advisor.

Certificate Program Requirements

Required: 19 credit hours

Code	Title	Credit Hours
Required Courses (19 credits)		
HDF/SES 607	Infant-Toddler Learning in Inclusive Settings	4

HDF 636	Leadership and Mentoring in Educating Young Children	3
HDF 650	Theory and Research in Early Childhood	3
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 602	Inclusive Family-Centered Practices in Early Childhood	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
Total Credit Hours		19

Teacher Education and Higher Education

School of Education

488 School of Education Building
336-334-3437
<http://tehe.uncg.edu>

Kerri Richardson, Associate Professor and Chair of Department
Wayne Journell, Professor and Associate Chair of Department
Sam Miller, Director of Graduate Study for the Teacher Education Masters Programs

Dale Schunk, Director of Graduate Study for the Teacher Education Ph.D. Program

Brad Johnson, Director of Graduate Study for the Higher Education M.Ed. Program

Laura Gonzalez, Director of Graduate Study for the Higher Education Ph.D. Program

About

The Department of Teacher Education and Higher Education (TEHE) brings together outstanding faculty mentors with scholars from all levels of educational experience to pursue one common goal: to become leaders driven to make a difference in the lives of learners, who, in turn, are prepared to make their own positive difference in the world. Whether your professional goal is to be a leader in elementary schools, secondary schools or higher education, we are here to provide the best possible preparation and support.

From the undergraduate to master's to doctoral level, our programs offer exceptional value and opportunity. As a result, dedicated students are empowered to create a path to their own success. Our graduates become teachers, improve their current teaching practice, work in colleges or universities as instructors or administrators, and work with preservice or inservice teachers in university teacher educator programs and school district offices — many earning positions even before earning their degrees.

The Higher Education Program

The M.Ed. program in Student Affairs Administration in Higher Education (SAAHE) is designed to prepare entry-level professionals to work in student affairs and student services at higher education institutions. The curriculum closely follows the ACPA/NASPA Professional Competencies as well as the CAS Standards for graduate professional preparation.

The Ph.D. in Educational Studies with a concentration in higher education requires 60 credit hours and is intended for experienced administrators and qualified scholars. Graduates pursue careers as scholar-practitioners

in areas such as student affairs, community college leadership, and general higher education administration.

The Teacher Education Program

Our program offerings range from those who are brand new to teaching to those who wish to pursue an advanced degree in education. At the bachelor of science level we offer degrees in Elementary Education, Middle Grades Education, and Secondary (High School) Social Studies Education. Other content areas at the secondary level are offered through the College of Arts and Sciences. At the masters level, we offer two options, one for initial licensure (Master of Arts) and one for advanced licensure (Master of Education). Go <https://soe.uncg.edu/academics/departments/tehe/tehe-programs/> to view the various concentrations for teaching in K-12 environments.

Teacher Education Student Learning Goals

Student learning goals are consistent with standards set forth by the Council for the Accreditation of Educator Preparation (CAEP) programs at www.caepnet.org (<http://www.caepnet.org>), the Interstate New Teacher Assessment and Support Consortium (INTASC) at www.ccsso.org (<http://www.ccsso.org>), the National Educational Technology Standards at www.iste.org (<http://www.iste.org>), and the North Carolina Department of Public Instruction at www.ncpublicschools.org (<http://www.ncpublicschools.org>).

Professor

Heidi B. Carlone, Professor and Jennifer Smith Hooks and Jacob T. Hooks Distinguished Professor^G

Jewell E. Cooper^G

Colleen Mayme Fairbanks^G

Ye He^G

Melinda G Ivey, Professor and William E. Moran Distinguished Professor^G

Victoria R Jacobs, James D. and Johanna F. Yopp Excellence Professor^G

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Edna Tan^G

Amy M. Vetter^G

Associate Professor

Beverly Swaim Faircloth^G

Laura McLaughlin Gonzalez^G

Melody Jin Patterson Zoch^G

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Clinical Associate Professor

Brad Johnson^G

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Assistant Professor

Benjamin "Benji" Chang^G

Sara Catherine Heredia^G

Ryan E Hughes^G

Delma Margot Ramos^G

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Scott Howerton^G

Senior Lecturer

Stephanie Grayson Davis^G

Erika Swarts Gray^G

Lecturer

Jennifer P Arberg
Traci Jo Bellas
Zach Blackmon
Logan Way Breedlove
Lavonne W. Brown
Ginni Ann Elliott Stanfield
Mayra Iris Hayes
Tierney Brenna Hinman
Marquita S Hockaday
Sarah Shaw Jones
Stacy Elizabeth Leicht
Marianne Grande Magjuka
Jill Lynette Goodson McClanahan
Vickie L Morefield
Jennifer Katherine Painter
Marilyn B. Preddy
Patrick Alexander Preudhomme
Michael Robinson
David J Schouweiler
Montana Smithy
Sarah Anne Tharpe-Winchell

^G Graduate-level faculty

- Elementary Education (K–6), B.S. (p. 540)
- Elementary Education and Special Education: General Curriculum Dual Major, B.S. (p. 528)
- Middle Grades Education, B.S. (p. 542)
- Master of Arts in Teaching, M.A.T. (p. 544)
- Student Affairs Administration in Higher Education, M.Ed. (p. 546)
- Teacher Education, M.Ed. (p. 546)
- Educational Studies, Ph.D. (p. 550)
- Design and Making in Education, Post-Baccalaureate Certificate (p. 551)
- Teaching English to Speakers of Other Languages, Post-Baccalaureate Certificate (p. 551)
- Add-On Licensure Programs (p. 551)
- NC TEACH Alternative Licensure Program (p. 552)
- Pathways Program (p. 552)

Elementary and Middle Grades Education Disciplinary Honors Requirements

- A minimum of 12 credit hours of Honors course work with grades of A or B as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- Maintain a “good standing” status in the Elementary and Middle Grades Education program, which means the student is not on a Professional Improvement Plan and is managing the extensive workload and internship.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
Select 6-9 credits of Honors course work in the major		6-9
Select 0-3 credits of Honors course work in the major or another area		0-3

Recognition

Students who complete the requirements for the Disciplinary Honors Program receive a Certificate of Disciplinary Honors in Elementary and Middle Grades Education; have that accomplishment, along with the title of their Senior Honors Project, noted on their official transcript; and are recognized at a banquet held at the end of the academic year.

Honors Advisor

Contact Jennifer Mangrum at jrmangru@uncg.edu for further information and guidance about Honors in Elementary and Middle Grades Education. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Elementary Education (K–6), B.S. Requirements for Admission to the Major

1. Scores
Satisfactory scores on Praxis I, ACT, or SAT I.
2. GPA
GPA of 3.0 or higher.
3. Courses
Grades of C or better in the courses listed below.

Code	Title	Credit Hours
MAT 115	College Algebra	
TED 222	Mathematics for Teaching	
TED 250	Teaching as a Profession	

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum grade of C required in all courses listed under Major Requirements.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
51 credits with a grade of C or better as listed below		
Prerequisites		9
MAT 115	College Algebra	

TED 222	Mathematics for Teaching
TED 250	Teaching as a Profession

Code	Title	Credit Hours
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Required Courses 42

SES 340	Strategies for Teaching Students with Disabilities in General Education Settings
TED 320	Language Arts Education
TED 350	Internship I: Inquiry in Teaching and Learning
TED 360	Integrating the Social Studies in Elementary Grades
TED 370	Science Education in the Elementary School
TED 375	Internship II: Inquiry in Teaching and Learning
TED 380	Mathematics Education
TED 400	Internship III: Inquiry in Teaching and Learning
TED 420	Reading Education
TED 428	Advanced Methods in the Elementary Grades
TED 461	Student Teaching: Elementary Grades
TED 466	Student Teaching Seminar

Related Area Requirements

13 credits with a grade of C or better as listed below

ELC 381	Cultural Foundations of Education
HDF 301	Development of School-Age Children
KIN 340	Healthful Living Pedagogy for Elementary School Teaching
LIS 120	Introduction to Instructional Technology for Educational Settings
<i>Select one of the following:</i>	
ARE 367	Child Art and Teaching
DCE 345	Dance in Preschool and Elementary Settings
MUE 361	Music for Preschool and Elementary Teachers
THR 315	Creative Drama for the Classroom Teacher

* This course is taken the last semester of program.

Second Academic Concentration Requirements

24 credits with a grade of C or better as listed below.

All students majoring in Elementary Education are required to complete an approved second academic concentration consisting of 18 credits in a basic academic discipline or in an approved interdisciplinary studies program. The following 18 credit interdisciplinary academic concentrations have been approved for Elementary Education: American Studies, Art, Diversity Studies, Environmental Education, Global Studies, Language and Communication, Science, and Teaching English to Speakers of Other Languages (TESOL). The following 18 credit second academic concentrations are strongly recommended for those planning to major in Elementary Education: Biology or Chemistry or Physics, English, History, Mathematics. The following 24 credit second academic concentrations have been approved: French, Spanish.

Electives

Electives sufficient to complete the 120 credit hours required for the degree. Electives should increase students' knowledge in general

education and in a content field (such as psychology or multicultural education).

Teaching English to Speakers of Other Languages (TESOL) as a Second Academic Concentration for Elementary Education Majors

The TESOL concentration is designed to prepare prospective elementary teachers for multilingual and multicultural classrooms.

There are two options available within the TESOL concentration:

- a focus on ESL certification (designed for any Elementary Education major), or
- a focus on dual-language certification (designed for Elementary Education majors with advanced foreign language proficiency).

Requirements

- 18 credit hours

Code	Title	Credit Hours
Core Courses		9
TED 335	Language Foundations for Teachers	
TED 406	Institutes in Education	
TED 423	Legal, Historical, and Cultural Issues in ESL	
Select one from below for the appropriate track.		3
ESL Option		
TED 490	Community Literacies and Adult Learners	
Dual-Language Option		
TED 425	Dual Language Instructional Practice	
Foreign Language Course Work *		6

* At least 6 hours of foreign language coursework. Students who choose the Dual-language option need to have 6 hours of advanced foreign language coursework. In some cases, students already with advanced language proficiency may take other courses in place of foreign language courses with the approval of their advisor.

Elementary Education and Special Education: General Curriculum Dual Major, B.S.

The Departments of Teacher Education and Higher Education and Specialized Education Services offer a dual major in elementary education and special education. Students completing the dual major will have initial licensure in elementary education K–6 and special education: general curriculum K–12. Students must be admitted to the teacher education program during the fall of their sophomore year and will begin professional course work spring of the sophomore year.

The 120 credit hour dual major in elementary education and special education follows the admission guidelines to the School of Education teacher programs regarding

1. Achievement of minimum passing score requirements set forth by the North Carolina Department of Public Instruction on the Professional Assessment for Beginning Teachers (Praxis I);

- 2. The recommendation of the departments; and
- 3. Completion of at least 12 credits at UNC Greensboro [waived for transfer students who meet GPA requirements, have departmental recommendation, and have passed the Professional Assessment for Beginning Teachers (Praxis I)].

Additional departmental requirements include:

- 1. A grade of C or better in a qualifying course* and
- 2. Completion of all courses needed to fulfill the UNC Greensboro general education requirements (GEC).

A minimum 3.0 GPA is required for admission.

* Additional departmental requirements include a grade of C or better in a qualifying course: either TED 250 or SES 250.

Admission to Student Teaching

3.0 or better GPA, recommendation of departments, and C (2.0) or better in professional courses.

Overall Requirements

- 120 credit hours

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirement

Code	Title	Credit Hours
Elementary Education		
TED 250 or SES 250	Teaching as a Profession Introduction to Professions in Specialized Education	
TED 222	Mathematics for Teaching	
TED 320	Language Arts Education	
TED 335	Language Foundations for Teachers	
TED 350	Internship I: Inquiry in Teaching and Learning	
TED 360	Integrating the Social Studies in Elementary Grades	
TED 370	Science Education in the Elementary School	
TED 380	Mathematics Education	
TED 400	Internship III: Inquiry in Teaching and Learning	
TED 420	Reading Education	
TED 428	Advanced Methods in the Elementary Grades	
Special Education		
SES 252	Survey of Learning and Behavior Differences	
SES 352	Interprofessional and Instructional Field Experience 3	
SES 360	Assessment for Exceptional Learners	
SES 447	Service Delivery Systems and Role Management	
SES 460	Home-School Partnerships for Students with Exceptional Needs	

SES 465	Student Teaching: Students with Mild and/or Moderate Disabilities
SES 466	Positive Behavior Supports for Exceptional Learners
SES 469	Reading Instruction for Learners with Disabilities
SES 469L	Laboratory in Mild Disabilities: Reading Instruction
SES 471	Teaching Exceptional Learners the General Curriculum I
SES 472	Teaching Exceptional Learners the General Curriculum II

Student Teaching

SES 465	Student Teaching: Students with Mild and/or Moderate Disabilities
SES 475	Student Teaching Seminar: Students with Mild and/or Moderate Disabilities

Teacher Licensure Requirements

Select one of the following:	
ARE 367	Child Art and Teaching
DCE 345	Dance in Preschool and Elementary Settings
MUE 361	Music for Preschool and Elementary Teachers
THR 315	Creative Drama for the Classroom Teacher
HDF 302	Infant and Child Development †
LIS 120	Introduction to Instructional Technology for Educational Settings
SPA 101 or SPA 121	Beginning Spanish I Basic Spanish for Teachers

* Students will student-teach for a total of 12 credits Ten weeks in an elementary education setting that enrolls students with identified disabilities and six weeks in a secondary special education setting is required. This will apply to the courses listed as part of the requirements above that are noted below.

† Counts toward GEC GSB requirement.

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Middle Grades Education, B.S.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum grade of C required in all courses listed under Major Requirements.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Language Arts with Grade 6–9 Teacher Licensure
- Math with Grade 6–9 Teacher Licensure
- Science with Grade 6–9 Teacher Licensure
- Social Studies with Grade 6–9 Teacher Licensure

Electives

Electives sufficient to complete the 120 credits required for the degree. Electives should increase students' knowledge in general education and in a content field (such as psychology or multicultural education).

Language Arts with Grade 6–9 Teacher Licensure Concentration Requirements

Code	Title	Credit Hours
Prerequisite		3
TED 250	Teaching as a Profession	
Required		37
TED 350	Internship I: Inquiry in Teaching and Learning	
TED 375	Internship II: Inquiry in Teaching and Learning	
TED 400	Internship III: Inquiry in Teaching and Learning	
TED 403	Teaching English Learners with Diverse Abilities	
TED 421	Reading Education in the Middle Grades	
TED 442	Teaching and Learning in the Middle Grades	
TED 462	Student Teaching: Middle Grades	
TED 466	Student Teaching Seminar	
TED 445	Human Diversity, Teaching, and Learning	
TED 452	Educational Psychology for the Middle Grades	
ELC 381	Cultural Foundations of Education	
ERM 405	Measurement and Assessment in Teaching	
SES 340	Strategies for Teaching Students with Disabilities in General Education Settings	
English Language Arts		33
ENG 104	Approach to Literature	
ENG 211	Major British Authors: Medieval to Eighteenth Century	
ENG 212	Major British Authors: Romantic to Modern	
ENG 251	Major American Authors: Colonial to Romantic	
ENG 252	Major American Authors: Realist to Modern	
ENG 310	Young Adult Literature	
ENG 324	Teaching Writing in Elementary and Middle Grades	
<i>Select one of the following Non-Western Literature courses:</i>		
ENG 204	Nonwestern Literary Classics	
ENG 208	Topics in Global Literature	
ENG 209	Topics in Non-Western Literature	
TED 224	English Language Arts Concepts for Middle Grades Teachers	
TED 335	Language Foundations for Teachers	
TED 430	Middle Grades Language Arts	

Second Academic Concentration Requirements

Students must complete a coherent course of study in a middle-level content field.

Math with Grade 6–9 Teacher Licensure Concentration Requirements

Code	Title	Credit Hours
Prerequisite		3
TED 250	Teaching as a Profession	
Required		43
TED 350	Internship I: Inquiry in Teaching and Learning	
TED 375	Internship II: Inquiry in Teaching and Learning	
TED 400	Internship III: Inquiry in Teaching and Learning	
TED 403	Teaching English Learners with Diverse Abilities	
TED 421	Reading Education in the Middle Grades	
TED 442	Teaching and Learning in the Middle Grades	
TED 462	Student Teaching: Middle Grades	
TED 466	Student Teaching Seminar	
TED 445	Human Diversity, Teaching, and Learning	
TED 452	Educational Psychology for the Middle Grades	
ELC 381	Cultural Foundations of Education	
ERM 405	Measurement and Assessment in Teaching	
SES 340	Strategies for Teaching Students with Disabilities in General Education Settings	
Mathematics		27
MAT 150	Precalculus I	
MAT 151	Precalculus II	
MAT 191	Calculus I	
MAT 292	Calculus II	
STA 108	Elementary Introduction to Probability and Statistics	
MAT 304 (COURSE INACTIVE)		
TED 222	Mathematics for Teaching	
TED 223	Mathematics for Teaching Middle Grades	
TED 458	Middle Grades Mathematics Education	

Second Academic Concentration Requirements

Students must complete a coherent course of study in a middle-level content field.

Science with Grade 6–9 Teacher Licensure Concentration Requirements

Code	Title	Credit Hours
Prerequisite		3
TED 250	Teaching as a Profession	
Required		37
TED 350	Internship I: Inquiry in Teaching and Learning	
TED 375	Internship II: Inquiry in Teaching and Learning	
TED 400	Internship III: Inquiry in Teaching and Learning	
TED 403	Teaching English Learners with Diverse Abilities	
TED 421	Reading Education in the Middle Grades	
TED 442	Teaching and Learning in the Middle Grades	
TED 462	Student Teaching: Middle Grades	
TED 466	Student Teaching Seminar	
TED 445	Human Diversity, Teaching, and Learning	
TED 452	Educational Psychology for the Middle Grades	

ELC 381	Cultural Foundations of Education
ERM 405	Measurement and Assessment in Teaching
SES 340	Strategies for Teaching Students with Disabilities in General Education Settings
Science 32	
AST 209	
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory
GES 164	Introduction to Environment
GES 103	Introduction to Earth Science
PHY 205 & 205L	Conceptual Physics and Conceptual Physics Laboratory
TED 460	Middle Grades Science Education

Second Academic Concentration Requirements

Students must complete a coherent course of study in a middle-level content field.

Social Studies with Grade 6–9 Teacher Licensure Concentration Requirements	
Code	Title
Prerequisite 3	
TED 250	Teaching as a Profession
Required 43	
TED 350	Internship I: Inquiry in Teaching and Learning
TED 375	Internship II: Inquiry in Teaching and Learning
TED 400	Internship III: Inquiry in Teaching and Learning
TED 403	Teaching English Learners with Diverse Abilities
TED 421	Reading Education in the Middle Grades
TED 442	Teaching and Learning in the Middle Grades
TED 462	Student Teaching: Middle Grades
TED 466	Student Teaching Seminar
TED 445	Human Diversity, Teaching, and Learning
TED 452	Educational Psychology for the Middle Grades
ELC 381	Cultural Foundations of Education
ERM 405	Measurement and Assessment in Teaching
SES 340	Strategies for Teaching Students with Disabilities in General Education Settings
Social Studies 39	
ECO 201	Principles of Microeconomics
ECO 202	Principles of Macroeconomics
HIS 211	The United States: A General Survey to 1865
HIS 212	The United States: A General Survey Since 1865
HIS 308	Navigating World History
HIS 316	Interpreting American History
HIS 347	History of North Carolina
HIS 430	Historical Methods for Social Studies Teachers

or HIS 440	Principles and Practices for Teaching History
PSC 200	American Politics
PSC 260	Introduction to Comparative Politics
TED 360	Integrating the Social Studies in Elementary Grades
Comparative Politics 3	
<i>Select one course from the following:</i>	
GES 104	World Regional Geography
GES 105	Introduction to Human Geography
GES 106	Geosystems Science
GES 110	Introduction to Geography
Global Perspectives 3	
<i>Select one course from the following:</i>	
HIS 203	History of Africa to 1870
HIS 204	History of Africa since 1870
HIS 215	The Civilizations of Asia
HIS 216	The Civilizations of Asia
HIS 239	The First America: Latin America, 1492-1830
HIS 240	(Dis)order and Progress: Latin America since 1810
HIS 320	History of Mexico and Central America
HIS 380	Topics in the Near and Middle East
HIS 381	The Near and Middle East since World War I
HIS 389	West Africa during the Atlantic Slave Trade

Second Academic Concentration Requirements

Students must complete a coherent course of study in a middle-level content field.

Master of Arts in Teaching, M.A.T. Various Concentrations

The Master of Arts in Teaching offers five concentrations—elementary education, middles grades education, social studies education, science education, teaching English to speakers of other languages (TESOL)—that culminate with the development of an Initial Competencies Portfolio, providing eligibility for candidates to apply for “A” licensure from the North Carolina Department of Public Instruction and require 39 credit hours.

The Master of Arts in Teaching is designed for candidates who have a bachelor's degree but did not pursue teacher education or licensure as an undergraduate. All concentrations in this track will also have prerequisite or corequisite courses, which are required for teaching licensure in North Carolina. The prerequisite or corequisite courses must be completed before a candidate can be recommended for licensure. A list of prerequisite or corequisite courses is available on the Teacher Education and Higher Education website at <http://soe.uncg.edu/academics/departments/tehe/tehe-programs/> or the School of Education's list of majors and degrees (<http://soe.uncg.edu/academics/majors-and-degrees/>).

The Department of Languages, Literatures, and Cultures offers a Master of Arts in Teaching with a concentration in French Education or Spanish Education.

Degree Program Requirements

Required: 36-42 credit hours

Elementary Education Concentration

Required: 39 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
TED 545	Human Diversity, Teaching, and Learning	3
TED 636	Educational Psychology and Differentiated Instruction	3
ERM 605	Educational Measurement and Evaluation	3
Pedagogical Expertise (18 credits)		
TED 641	Literacy I: Reading Instruction	3
TED 518	Mathematics in the Elementary Schools	3
TED 519	Science in the Elementary School	3
TED 520	Social Studies in the Elementary School	3
TED 642	Literacy II: Language Arts Instruction	3
TED 625	Mathematics in the Elementary School II	3
Professional Development/Leadership (12 credits)		
TED 650	Establishing and Maintaining a Responsive Classroom Environment	3
TED 680A	Clinical Experience in Teaching	6
TED 680B	Clinical Experience in Teaching Seminar	3
Total Credit Hours		39

Middle Grades Education Concentration

Required: 39 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
ERM 605	Educational Measurement and Evaluation	3
Pedagogical Expertise (18 credits)		
TED 535	Literacy in the Content Area	3
TED 626	Middle Grades Curriculum and Instruction	3
TED 634	Seminar in Middle Grades Education	3
Select 6 credits of content courses		6
Select 3 credits of methods courses		3
Professional Development/Leadership (12 credits)		
TED 650	Establishing and Maintaining a Responsive Classroom Environment	3
TED 680A	Clinical Experience in Teaching	6
TED 680B	Clinical Experience in Teaching Seminar	3
Total Credit Hours		39

Science Education Concentration

Required: 36 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
TED 545	Human Diversity, Teaching, and Learning	3

TED 669	Educational Implications of Learning and Developmental Theory	3
ERM 605	Educational Measurement and Evaluation	3
Pedagogical Expertise (18 credits)		
TED 559	Teaching Practices and Curriculum in Science	3
TED 623	Environmental Education	3
TED 632	Science Education: Teaching Practices and Curriculum	3
TED 657	Nature of Science, Technology, and Society	3
Select one 3 credit content course		3
Professional Development/Leadership (12 credits)		
TED 638A	or TED 638B	3
TED 680A		6
TED 680B	Clinical Experience in Teaching Seminar	3
Total Credit Hours		36

Social Studies Education Concentration

Required: 42 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
ERM 605	Educational Measurement and Evaluation	3
Pedagogical Expertise (21 credits)		
TED 553	Teaching Practices and Curriculum in Social Studies	3
Select 18 credits of content courses *		18
Professional Development/Leadership (12 credits)		
TED 638A	or TED 638B	3
TED 680A		6
TED 680B	Clinical Experience in Teaching Seminar	3
Total Credit Hours		42

* *Note: Content Courses: (3-2-1 across 3 different social studies disciplines).*

Teaching English to Speakers of Other Languages (TESOL) Concentration

Required: 39 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
TED 545	Human Diversity, Teaching, and Learning	3
TED 636	Educational Psychology and Differentiated Instruction	3
ERM 605	Educational Measurement and Evaluation	3
Pedagogical Expertise (18 credits)		
TED 516	Emergent Literacy and Literature	3
or TED 535	Literacy in the Content Area	

TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 603	Literacy Instruction for English Language Learners	3
TED 604	Applied Linguistics for ESL Teachers	3
TED 614	Word Study	3
TED 618	Teaching English as a Second Language	3
Professional Development/Leadership (12 credits)		
TED 650	Establishing and Maintaining a Responsive Classroom Environment	3
TED 680A	Clinical Experience in Teaching	6
TED 680B	Clinical Experience in Teaching Seminar	3
Total Credit Hours		39

Student Affairs Administration in Higher Education, M.Ed.

The M.Ed. in Student Affairs Administration in Higher Education prepares graduates to implement transformative and integrated learning experiences in college, university, and other postsecondary settings. In preparation for careers in college student affairs administration, graduate learners complete a minimum of 42 credit hours in foundation studies, professional studies, assessment and research, and a coherent sequence of supporting courses as well as an internship in college student affairs administration. Graduates may select supporting courses for an emphasis in student affairs.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement and resume. GRE score submission is optional.

Degree Program Requirements

Required: 42 credit hours

Code	Title	Credit Hours
Foundational Studies (3 credits)		
HED 601	Foundations of College Student Affairs Administration	3
Professional Studies (24 credits)		
HED 602	Student Development Theory in Higher Education	3
HED 603	Effects of College on Students	3
HED 606	Organization and Administration of Student Affairs in Higher Education	3
HED 608	Leadership in Higher Education	3
HED 609	Student Development Theory II	3
HED 612	Current Issues in Higher Education	3
HED 663	Planning Programs in Postsecondary Education	3
CED 610	Helping Relationships	3
Assessment and Research (3 credits)		
ERM 604	Methods of Educational Research	3
Supervised Practice (3 credits)		
HED 690	Internship and Professionalism in Student Affairs	3
Supporting Courses (9 credits)		

Select 9 credits *	9
Total Credit Hours	42

* Students select a coherent sequence of supporting courses in consultation with the advisor.

Capstone Experience

In lieu of a thesis or comprehensive examinations, students will complete an academic portfolio of their work accomplished during the program as submission for their capstone experience.

Teacher Education, M.Ed.

Various Concentrations

The M.Ed. in Teacher Education offers 13 concentrations, including seven concentrations that culminate with the development of an Advanced Competencies Portfolio, providing eligibility for candidates to apply for "M" licensure from the North Carolina Department of Public Instruction or preparation for advanced graduate study in educational research or policy. All concentrations and tracks require 33-36 credit hours for the master's degree.

The program is designed for candidates who already hold the Standard Professional I license or initial license to teach and wish to pursue more advanced study in a field of education.

The Instructional Technology concentration is designed for teachers and other candidates who wish to focus their studies on instructional technology as it relates to curriculum and instruction. The Instructional Technology Specialist—Computers (077) licensure is attached to this concentration.

Field experiences (school-based activities) are required across the curriculum of the M.Ed. programs.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement and resume.

Degree Program Requirements

Required: 33-36 credit hours

Code	Title	Credit Hours
Core Courses for All Concentrations (9 credits) *		
TED 545	Human Diversity, Teaching, and Learning	3
or TED 646	Intro to Equity Education	
TED 669	Educational Implications of Learning and Developmental Theory	3
ERM 605	Educational Measurement and Evaluation	3
or ERM 604	Methods of Educational Research	
Concentration Requirements (24-27 credits)		
Select a concentration below		24-27
Total Credit Hours		33-36

* Unless otherwise noted. Or approved substitutes.

Advanced Competencies Portfolio and Other Required Culminating Experiences (Capstone Experience)

For some tracks, a technology portfolio and PRAXIS exams are necessary for licensure and graduation, while for others only the Advanced Competencies Portfolio and a possible assessment day are required.

Elementary Science Education Concentration

Required: 33 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
TED 646	Intro to Equity Education	3
TED 669	Educational Implications of Learning and Developmental Theory	3
ERM 605 or ERM 604	Educational Measurement and Evaluation Methods of Educational Research	3
Pedagogical Expertise (15 credits)		
TED 651	Life Sciences in the Elementary School	3
TED 652	Physical Sciences in the Elementary School	3
TED 653	Earth and Space Sciences in the Elementary School	3
TED 623	Environmental Education	3
TED 657	Nature of Science, Technology, and Society	3
Professional Development-Leadership (9 credits)		
TED 616	Literacy Development and Instruction Across the Elementary Grades	3
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
Total Credit Hours		33

Elementary Education Concentration

Required: 33 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
Core courses for all concentrations		9
Pedagogical Expertise (18 credits)		
Select 18 credits of TED, ELC, LIS, or SES courses *		18
Professional Development/Leadership (6 credits)		
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
Total Credit Hours		33

* On basis of approved plan of study.

Elementary Mathematics Education Concentration

Required: 33 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
Core courses for all concentrations		9
Pedagogical Expertise (18 credits)		

TED 658	Number Systems and Operations: K-5 Mathematical Tasks	3
TED 659	Rational Numbers and Operations: K-5 Learning Trajectories	3
TED 660	Data Analysis and Measurement: K-5 Classroom Interactions	3
TED 661	Algebraic Reasoning: K-5 Discourse and Questioning	3
TED 662	Geometry and Spatial Visualization: K-5 Assessment	3
TED 663	Mathematical Modeling: K-5 Leadership	3
Professional Development/Leadership (6 credits)		
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
Total Credit Hours		33

The Learning Sciences (Educational Psychology) Concentration

Required: 33 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
TED 545 or TED 646	Human Diversity, Teaching, and Learning Intro to Equity Education	3
TED 669	Educational Implications of Learning and Developmental Theory	3
ERM 605	Educational Measurement and Evaluation	3
Concentration/Expertise (18 credits)		
Select 18 credits *		18
Professional Development/Leadership (6 credits) **		
<i>Teacher as Researcher and Leader Option</i>		
TED 676	Teacher as Researcher and Leader I (3 credits)	
TED 677	Teacher as Researcher and Leader II (3 credits)	
<i>Thesis Option</i>		
TED 699	Thesis (6 credits)	
Total Credit Hours		33

* Selected in collaboration with the advisor to form a coherent program of study in a chosen area of expertise, from among Learning Theory, Motivation, Advanced Pedagogical Expertise, Research, or Policy. Courses are selected from the TED department as well as other departments within the School of Education or other related departments across the university.

** As a capstone experience, students in the Learning Sciences Concentration will choose between a Teacher as Researcher and Leader option or, with advisor approval, students who are interested in exploring a specific research problem in depth may choose to complete a thesis.

Instructional Technology Concentration

Required: 33 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
Core courses for all concentrations		9

Pedagogical Expertise (18 credits) *

TED 672	Instructional Design	3
LIS 635	Media Production Services for Library Programs	3
SES 662	Assistive Technology for Inclusive Education	3
Select one course (3 credits) from the following:		3
TED 610	Integrating Technology into Subject Matter Instruction	
TED 628	Trends and Issues in Curriculum and Instruction **	
TED 667		
Select one course (3 credits) from the following:		3
LIS 631	Emerging Technological Trends in Information Access	
LIS 688	Seminar in Selected Topics I	
Select one course (3 credits) from the following:		3
LIS 632		
LIS 630	Computer-Related Technologies for Information Management	
Professional Development/Leadership (6 credits)		
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
Total Credit Hours		33

* Or approved substitutes.

** When topic is Integrating Technology into the K-12 Curriculum.

Middle/Secondary English Language Arts Concentration

Required: 33 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
Core courses for all concentrations		9
Pedagogical Expertise (9 credits)		
TED 626	Middle Grades Curriculum and Instruction	3
TED 628	Trends and Issues in Curriculum and Instruction ¹	3
TED 695	Youth Literacies: Advanced Topics in Education	3
Content Area Specialization Courses (9-10 credits)		
TED 645 (COURSE INACTIVE)		3
ENG 522	Teaching Composition: Theories and Applications	3
Approved substitute		
Select one course (3 credits) from the following: ²		3
TED 604	Applied Linguistics for ESL Teachers	
TED 618	Teaching English as a Second Language	
TED 616	Literacy Development and Instruction Across the Elementary Grades	
Approved substitute		
Professional Development/Leadership (6 credits)		
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
Total Credit Hours		33

¹ Note: TED 628 Trends and Issues in Curriculum and Instruction: with appropriate topics: Gender and Education, Identity Matters, Youth Literacies.

² With consent of advisor.

Literacy Education K-12 Concentration

Required: 36 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
TED 646	Intro to Equity Education	3
TED 669	Educational Implications of Learning and Developmental Theory	3
ERM 605	Educational Measurement and Evaluation	3
Pedagogical Expertise (18 credits)		
Select 18 credits from the following:		18
TED 590	Community Literacies and Adult Learners	
TED 614	Word Study	
TED 616	Literacy Development and Instruction Across the Elementary Grades	
TED 617A	Practicum in Literacy Assessment and Instruction	
TED 617B	Advanced Practicum in Literacy Assessment, Instruction, and Leadership	
TED 619	Issues and Trends in Literacy Education	
TED 626	Middle Grades Curriculum and Instruction	
TED 640	Writing Instruction Across the Grade Levels	
TED 695	Youth Literacies: Advanced Topics in Education	
Professional Development/Leadership (9 credits)		
TED 628	Trends and Issues in Curriculum and Instruction *	3
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
Total Credit Hours		36

* Or approved substitute.

Middle/Secondary Mathematics Education Concentration

Required: 33 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
Core courses for all concentrations		9
Pedagogical Expertise (9 credits)		
TED 630	Mathematics Teaching in Middle and Secondary Studies	3
TED 671	Thinking and Learning in Middle Grades and Secondary Mathematics: Number and Algebra	3
TED 673	Thinking and Learning in Middle Grades and Secondary Mathematics: Geometry, Statistics, and Probabil	3
Mathematics Education Elective (6 credits)		
Select two courses (6 credits) from the following: *		6
MAT 503	Problem Solving in Mathematics	
MAT 505	Foundations of Mathematics for Teachers	

MAT 513	Historical Development of Mathematics	
MAT 614	Theory of Numbers	
MAT 616		
MAT 619	Intuitive Concepts in Topology	
MAT 620	Non-Euclidean Geometry	
MAT 621	Projective Geometry	
MAT 635	Differential Equations and Orthogonal Systems	
MAT 640	Introductory Complex Analysis	
Professional Development/Leadership (9 credits)		
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II **	3
or TED 670	Research in Mathematics Education	
TED 664	Teaching Problem Solving	3
Total Credit Hours		33

* Select courses under advisement from the Departments of Mathematics and Statistics and Teacher Education and Higher Education.

** TED 670 if offered.

Middle/Secondary Science Education Concentration

Required: 33 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
Core courses for all concentrations		9
Pedagogical Expertise (15 credits)		
TED 657	Nature of Science, Technology, and Society	3
TED 623	Environmental Education	3
TED 632	Science Education: Teaching Practices and Curriculum	3
Select two approved content courses (6 credits) in College of Arts and Sciences *		6
Professional Development/Leadership (9 credits)		
TED 638A	**	3
or TED 638B		
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
Total Credit Hours		33

* Or a second semester of TED 623 Environmental Education, TED 657 Nature of Science, Technology, and Society, and/or TED 632 Science Education: Teaching Practices and Curriculum with instructor permission or approved substitutes.

** Or TED 626 Middle Grades Curriculum and Instruction.

Middle/Secondary Social Studies Education Concentration

Required: 36 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
Core courses for all concentrations		9
Pedagogical Expertise (18 credits)		

TED 631	Trends in Teaching Practices and Curriculum in Secondary School Social Studies	3
Select 9 credits in content courses in HIS, PSC, GES, ECO, ATY, PSY, or SOC at 500 or 600 level		9
Select two courses (6 credits) from different categories of the following:		6
<i>ESL</i>		
TED 628	Trends and Issues in Curriculum and Instruction	
TED 523	Legal, Historical, and Cultural Issues in ESL *	
<i>SES</i>		
SES 540	Introduction to Special Education	
SES 643	Special Education Trends/Issues	
<i>Technology</i>		
TED 628	Trends and Issues in Curriculum and Instruction *	
Professional Development/Leadership (9 credits)		
TED 638A	**	3
or TED 638B		
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
Total Credit Hours		36

* Or approved substitute.

** Or TED 626 Middle Grades Curriculum and Instruction.

Teaching English to Speakers of Other Languages (TESOL) Concentration

Required: 36 credit hours

Code	Title	Credit Hours
Core Courses (9 credits)		
Core courses for all concentrations		9
Pedagogical Expertise (15 credits)		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 603	Literacy Instruction for English Language Learners	3
TED 604	Applied Linguistics for ESL Teachers	3
TED 614	Word Study *	3
TED 618	Teaching English as a Second Language	3
Electives (6 credits)		
Select 6 credits of electives under advisement **		6
Professional Development/Leadership (6 credits)		
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
Total Credit Hours		36

* Or approved substitute.

** Electives under advisement: to include courses in reading, language arts, math, science, social studies, instructional technology, and special education.

Educational Studies, Ph.D.

Teacher Education and Development Concentration

The Ph.D. in Educational Studies with a concentration in Teacher Education and Development requires a minimum of 60 credit hours.

Higher Education Concentration

The Ph.D. in Educational Studies with a concentration in Higher Education requires 60 credit hours and is intended for experienced higher education administrators, student affairs professionals, and qualified scholars. Students develop the skills, knowledge, and attitudes necessary for investigating, understanding, and shaping the dynamic relations among students, institutions of higher education, and society. Graduates pursue careers as scholar-practitioners in student affairs and higher education or as faculty or adjunct instructors.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement and resume.

Degree Program Requirements

Required: 60 credit hours

Teacher Education and Development Concentration

Required: 60 credit hours

All students must meet requirements as described below. Additional course requirements are determined on an individual basis through planning by the student and his/her doctoral advisory/dissertation committee.

Required Core Courses (12 credits)

Code	Title	Credit Hours
TED 646	Intro to Equity Education	3
or TED 765	Research in Equity Education	
TED 746	Seminar: Research on Teaching	3
TED 747	Doctoral Seminar in Learning and Cognition	3
TED 749	Disciplined Inquiry in Teacher Education	3

Research Component Courses (21 credits)

The research component must include both qualitative and quantitative research courses, plus an applied research component. Students are expected to acquire a deep understanding of the concepts of research and inquiry as they relate to curriculum and instruction. The knowledge base should include understanding of various research paradigms, criticisms of these paradigms, and the ability to conduct scholarly research.

The research component must include one doctoral-level qualitative methods course, one doctoral-level mixed methods research course, at least 6 credits of applied research courses, and one doctoral-level statistics course as follows:

Code	Title	Credit Hours
TED 730	Qualitative Methods in Curriculum and Instruction	3
TED 738	Mixed Methods Research Design in Curriculum and Instruction	3

TED 775	Directed Doctoral Research *	6
ERM 681	Design and Analysis of Educational Experiments **	3

* Taken two times for a total of 6 credits.

** Notes: ERM 680 Intermediate Statistical Methods in Education , prerequisite for ERM 681 Design and Analysis of Educational Experiments , can be counted in the 21 credits. The remaining research courses must be selected with advice and approval of the doctoral committee.

Concentration Courses (15 credits)

Students will decide on courses with the advice and approval of the doctoral committee. By carefully selecting courses, students may develop a focus in any of several areas including teacher education, elementary education, middle grades education, reading and literacy education, mathematics education, social studies education, science education, equity education, or an interdisciplinary focus.

Comprehensive Examination

Each candidate for the doctoral degree is required to successfully pass an oral and written comprehensive examination. Dates for this examination are determined by the student and the doctoral advisory/dissertation committee chair.

Dissertation (12 credits minimum)

Each candidate for a doctoral degree must prepare and present a dissertation that focuses on some aspect of teacher education, shows independent investigation, and is acceptable in form and content to the student's committee and The Graduate School.

Higher Education Concentration

Required: 60 credit hours

Core Course Requirements (15 credits)

Code	Title	Credit Hours
HED 745	Higher Education: Equity, Inclusion and Learning	3
HED 746	Organizational Theory in Higher Education	3
HED 747	Advanced Student Development Theory	3
HED 748	The Law of Higher Education	3
HED 749	Professional Seminar in Higher Education Research	3

Concentration Course Requirements (15 credits)

The concentration should complement the student's interests and, therefore, is individually designed. In consultation with the advisor, students will select a coherent set of concentration courses focusing on specific problems of theory, policy, or practice in higher education and are appropriate for the student's professional goals and interests.

Research Methods Course Requirements (18 credits)

Code	Title	Credit Hours
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3
HED 775	Directed Doctoral Research	3
Select one course in qualitative or interpretive research methods		3
Select one advanced course in research methods		3
Select one elective research methods course		3

Examinations

Upon completing the curriculum, and prior to beginning a doctoral dissertation, students must pass a qualifying examination in their major area of study before the student advances to candidacy. The comprehensive examination is an opportunity for Ph.D. students to demonstrate they can apply the knowledge gained in the program curriculum to a series of questions linked to a specific case or problem. Following review by the faculty, the student must orally defend the written examination in a meeting with the approved doctoral committee. In effect, this examination process is intended to determine if a student is qualified to begin work on a doctoral dissertation.

Dissertation (12 credits)

Each candidate will complete an original research project and orally defend at the final defense of the dissertation.

Design and Making in Education, Post-Baccalaureate Certificate

The Design and Making in Education Post-Baccalaureate Certificate focuses on Making/Makerspaces across formal and informal learning contexts. Students learn a suite of Making practices, informed by theoretical lenses grounded in equity and strength-based approaches.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (9 credits)		
TED 646	Intro to Equity Education	3
TED 647	Teaching and Learning in Makerspaces	3
TED 648	Design-based Action Research in Education	3
Elective (3 credits)		
Select one course (3 credits) from the following: *		3
TED 623	Environmental Education	
TED 618	Teaching English as a Second Language	
TED 619	Issues and Trends in Literacy Education	
Total Credit Hours		12

* Or other courses approved by advisor.

Teaching English to Speakers of Other Languages, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Teaching English to Speakers of Other Languages requires 18 credit hours and is intended for those with a bachelor's degree in any field and documented evidence of having studied a foreign language. The curriculum is designed to develop the knowledge, skills, and dispositions of those who are currently teaching or desire to teach language-minority adults and children to understand, speak, read, and write English in a variety of community, educational, and business settings.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement and resume.

Certificate Program Requirements

Required: 18 credit hours

Code	Title	Credit Hours
Required Courses (15 credits)		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 603	Literacy Instruction for English Language Learners	3
TED 604	Applied Linguistics for ESL Teachers	3
TED 614	Word Study	3
TED 618	Teaching English as a Second Language	3
Elective (3 credits)		
Select 3 credits		3
Total Credit Hours		18

Add-On Licensure Programs

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Licensure Requirements

Add-On Licensure in Elementary Science

Required: 18 credit hours

Code	Title	Credit Hours
Required Courses (18 credits)		
TED 651	Life Sciences in the Elementary School	3
TED 652	Physical Sciences in the Elementary School	3
TED 653	Earth and Space Sciences in the Elementary School	3
TED 623	Environmental Education	3
TED 657	Nature of Science, Technology, and Society	3
Select one course (3 credits) from the following:		3
TED 616	Literacy Development and Instruction Across the Elementary Grades	
TED 632	Science Education: Teaching Practices and Curriculum	
TED 644		
Total Credit Hours		18

Add-On Licensure in Elementary Mathematics

Required: 18 credit hours

Code	Title	Credit Hours
Required Courses (18 credits)		
TED 658	Number Systems and Operations: K-5 Mathematical Tasks	3

TED 659	Rational Numbers and Operations: K-5 Learning Trajectories	3
TED 660	Data Analysis and Measurement: K-5 Classroom Interactions	3
TED 661	Algebraic Reasoning: K-5 Discourse and Questioning	3
TED 662	Geometry and Spatial Visualization: K-5 Assessment	3
TED 663	Mathematical Modeling: K-5 Leadership	3
Total Credit Hours		18

Add-On Licensure in Reading

Required: 18 credit hours

The add-on program in reading is designed for professionals who have already completed a master's program in education or who are currently enrolled in a master's program and would like additional licensure as a reading specialist. The program requires 18 credits of coursework. Some of these credits may be completed as part of another master's program such as those offered by the Department of Teacher Education and Higher Education or the Department of Specialized Education Services.

Code	Title	Credit Hours
Required Courses (18 credits)		
TED 614	Word Study	3
TED 616	Literacy Development and Instruction Across the Elementary Grades	3
TED 617A	Practicum in Literacy Assessment and Instruction	3
TED 617B	Advanced Practicum in Literacy Assessment, Instruction, and Leadership	3
TED 619	Issues and Trends in Literacy Education	3
TED 640	Writing Instruction Across the Grade Levels	3
Total Credit Hours		18

Add-On Licensure in ESL

Required: 9-15 credit hours

ESL Only

Code	Title	Credit Hours
Required Courses (9 credits)		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 604	Applied Linguistics for ESL Teachers	3
TED 618	Teaching English as a Second Language	3
Total Credit Hours		9

ESL Dual Language

Code	Title	Credit Hours
Required Courses (15 credits)		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 525	Dual Language Instructional Practice	3
or TED 603	Literacy Instruction for English Language Learners	
TED 604	Applied Linguistics for ESL Teachers	3
TED 618	Teaching English as a Second Language	3

TED 696	Classroom Language Assessment	3
Total Credit Hours		15

NC TEACH Alternative Licensure Program

North Carolina Teachers of Excellence for All Children (NC TEACH) is designed to recruit, train, support, and retain mid-career professionals as they become licensed teachers in North Carolina. The program is designed to offer lateral entry teachers the opportunity to earn an initial standard professional I license to teach in North Carolina. The Collaborative for Educator Preparation (CEP) administers the NC TEACH Alternative Licensure Program in the following areas: Middle Grades (6-9) Language Arts, Mathematics, Science, and Social Studies; Secondary (9-12) English, Latin, Mathematics, Science, and Social Studies; K-12 English as a Second Language (ESL); and K-12 Foreign Language (Spanish or French). Depending on the academic background of the student, the alternative licensure program consists of 12-18 credit hours. Students in the program enroll in a sequence of education courses and engage in field-based experiences as lateral entry teachers in local public school systems. Students may be required to take additional course work in their teaching area for licensure. For most of these teaching areas, students may apply up to 18 credits of NC TEACH course work toward a master's degree program provided they apply and are accepted.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Alternative Licensure Requirements

- **Required:** 12-18 credit hours

Code	Title	Credit Hours
Program of Study (12-18 credits)		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
TED 680A	Clinical Experience in Teaching	3-6
Select one 3 credit methods course in the licensure area		3
Total Credit Hours		15-18

Content Courses

Students must have at least 24 credits in their teaching areas or passing scores on the PRAXIS II teaching examinations. After a review of transcripts, students may also be required to complete additional course work to meet teaching standards.

Pathways Program

The School of Education Pathways Program is designed for international graduate students with conditional admission to various UNCG graduate programs. The program prepares students to build upon their prior knowledge to develop academic English language proficiency to be prepared for graduate studies at UNCG; enhance intercultural competency through interpersonal, interpretive and presentational communication in both oral and written formats; and use campus

resources and technology tools to interact and collaborate in the local and global academic communities,

Program Requirements

Required: 28 credit hours

Code	Title	Credit Hours
Culture and Community for Graduate Studies (3 credits)		
ESL 600	Culture and Community for Graduate Studies I	1
ESL 601	Culture and Community for Graduate Studies II	1
ESL 602 (COURSE INACTIVE)		1
Academic Listening (4 credits)		
ESL 610	Academic Listening I	2
ESL 620	Academic Listening II	1
ESL 630	Academic Listening III	1
Communication and Presentation (6 credits)		
ESL 611	Communication and Presentation I	3
ESL 621	Communication and Presentation II	2
ESL 631	Communication and Presentation III	1
Academic Reading and Vocabulary Development (6 credits)		
ESL 612	Academic Reading and Vocabulary Development I	3
ESL 622	Academic Reading and Vocabulary Development II	2
ESL 632	Academic Reading and Vocabulary Development III	1
Writing and Grammar (6 credits)		
ESL 613	Writing and Grammar I	3
ESL 623	Writing and Grammar II	2
ESL 633	Writing and Grammar III	1
Academic Discourse (3 credits)		
TED 629	Academic Discourse Communities in Graduate Studies	3
Total Credit Hours		28

SCHOOL OF HEALTH AND HUMAN SCIENCES

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Lisa Walker, *Assistant Dean for Research Operations*

Larissa Witmer, *Assistant Dean for Projects and Programs*

About

In the School of Health and Human Sciences, academic programs are offered through the Department of Communication Sciences and Disorders, the Department of Community and Therapeutic Recreation, the Department of Human Development and Family Studies, the Department of Kinesiology, the Department of Nutrition, the Department of Peace and Conflict Studies, the Department of Public Health Education, and the Department of Social Work, including a program in Gerontology. There is also a graduate program in Genetic Counseling. Each department and program offers varied courses for all university students and programs of study leading to undergraduate and graduate majors and minors in their respective areas. The school's programs are designed to meet specialized interests of students and also the requirements of state and national accrediting agencies and professional associations.

The Department of Communication Sciences and Disorders provides opportunities for the study of normal speech, language, and hearing as well as the study of associated disorders, leading to the bachelor of science degree in Speech Pathology and Audiology. The courses offered in this program are pre-professional and prepare the student for further study at the graduate level. Faculty and students in Communication Sciences and Disorders provide services to clients in the University Speech and Hearing Center, and engage in cooperative work with area schools, hospitals, and other human service agencies. In addition, a Master of Arts degree is offered, preparing clinicians to serve children, youth, and adults with communication disorders. There is also a Ph.D. degree offering advanced study in teaching and research.

In the Department of Community and Therapeutic Recreation, a student majoring in Recreation and Parks Management may choose from two areas of concentration: Therapeutic Recreation or Community Recreation and Event Planning. These concentrations lead to the bachelor of science degree. A Community and Therapeutic Recreation minor and a master of science (M.S.) degree are also available. The undergraduate program has been fully accredited by the NRPA/AALR Council on Accreditation since 1981.

The Program in Genetic Counseling offers an interdisciplinary master of science degree. The program is accredited by the American Board of Genetic Counseling (ABGC). Applicants admitted to the program are expected to enroll as full-time students, registering for the required courses for each of the four semesters of the program and for intervening summer sessions.

Programs in the Department of Human Development and Family Studies focus on early care and education, child and adolescent development,

and family studies. At the undergraduate level, students prepare for entry level positions in early childhood settings and agencies, Birth through Kindergarten classroom licensure, community agencies serving children, adolescents and their families; and family-related careers in family, government, and community service agencies. Master's and doctoral programs provide opportunities for research and advanced study in these areas.

The Department of Kinesiology offers the major in Kinesiology leading to the bachelor of science degree. Students may select concentrations in Kinesiology and Physical Education and Health Teacher Education (licensure track). The department also offers minors in Sport Coaching and Community Youth and Sport Development. Kinesiology prepares students for careers in preventive and rehabilitative exercise and fitness, and may be tailored to meet the needs and interests of students planning graduate study in athletic training, medicine, occupational therapy, or physical therapy. This department also offers graduate studies leading to the master's degree and doctoral degrees (Ph.D. and online Ed.D.).

The Department of Nutrition offers undergraduate studies with majors in Human Nutrition and Dietetics, Nutrition and Wellness, and Nutrition Science and graduate programs for the master's degree, doctoral degree, and a post-baccalaureate dietetic internship certificate. The undergraduate Human Nutrition and Dietetics concentration (also known as the Didactic Program in Dietetics) and the Dietetic Internship program are accredited by the Commission on Accreditation for Dietetics Education of the American Dietetic Association.

The Department of Peace and Conflict Studies offers a Bachelor of Arts, a Master of Arts, and a Post-Baccalaureate Certificate. Peace and Conflict Studies is an area of interdisciplinary study focusing on conflict management and resolution. Students receive professional preparation including strategies for building peaceful and just social systems, communities, and societies.

The Department of Public Health Education offers the Public Health major, leading to the bachelor of science degree. Within the Public Health major, students may select a concentration in Community Health Education or Health Studies (online only). The Community Health Education concentration is a professional program preparing graduates to become Health Educators. The requirements of the Community Health Education concentration meet the professional standards of the field of Health Education allowing graduating students to sit for the Certified Health Education Specialist (CHES) national credentialing exam. An online Health Studies concentration is available for those looking for a pre-professional or non-professional degree option. A Health Studies minor is also available. The department also offers graduate studies leading to a master of public health (M.P.H.) degree and the doctor of philosophy (Ph.D.) degree in community health education. As a complement to the academic enterprise of the department, faculty, and students within Public Health Education are also actively involved in local and national research and outreach.

The Department of Social Work prepares undergraduate students for entry level generalist social work positions in public and private social service agencies, health care organizations, courts, and school systems. The master of social work degree, offered in collaboration with North Carolina Agricultural and Technical State University, is the only joint program of its kind in the nation. The B.S.W. and J.M.S.W. programs are both accredited by the Council on Social Work Education. A new joint Ph.D. degree program begins in Fall 2019. The M.S.W. and Ph.D. are joint programs with North Carolina A&T.

The Program in Gerontology is housed in the Department of Social Work and offers an undergraduate minor in gerontology, a post-baccalaureate certificate in gerontology, and an online master of science in gerontology. Courses fulfilling the certificate program may be used to meet requirements in a degree program in accordance with the policies of the Graduate School.

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Communication Sciences and Disorders

School of Health and Human Sciences

300 Ferguson Building
336-334-5184
<http://uncg.edu/csd>

Kristine Lundgren, *Chair of Department and Director of Graduate Study*
Virginia Hinton, *Program Coordinator for Master's Program*
Amy Myers, *Coordinator of Undergraduate Studies*

About

The Department of Communication Sciences and Disorders (CSD) offers two graduate programs of study: a two-year Masters degree program in Speech Language Pathology and a Ph.D. program in CSD. An extension of the CSD Ph.D. program, entitled The Inter-Institutional Distance Education Agreement for Learning and Leadership in Communication Sciences and Disorders (IDEALL CSD) is available to part-time doctoral students living in the western region of North Carolina. IDEALL CSD is a distance educational agreement between UNC Greensboro and Western Carolina University (WCU). The UNC Greensboro Masters Degree Program in Speech-Language Pathology (SLP) is a nationally ranked program, accredited by the American Speech-Language Hearing Association's Council on Academic Accreditation in Audiology and Speech-Language Pathology. Our undergraduate, pre-professional program prepares students with a background in speech, language, and hearing sciences, and in speech, language, and hearing disorders in anticipation of their continued studies at the graduate level.

Professor

Alan G. Kamhi^G

Kristine Lundgren^G
Robert Mayo^G
Denise Anne Tucker^G

Academic Professional Professor

Perry F. Flynn^G
Lisa McDonald^G

Associate Professor

Virginia Anne Hinton^G
Lucia Ingrid Mendez^G

Academic Professional Associate Professor

Christopher Allen Atkins^G
Sena Diane Crutchley^G
Lisa Guerrant Fox-Thomas^G

Assistant Professor

Jessica Ann Obermeyer^G

Academic Professional Assistant Professor

Emily Lynn Hamuka^G
Melissa S May
Amy M Myers^G
Connie Clark Williams^G

Visiting Assistant Professor

Marwa Farouk Abdrabbou
Kelly Turner Harrington^G
Terri Hardin Ramsey^G

^G Graduate-level faculty

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Communication Sciences and Disorders Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- A UNC Greensboro GPA in the major of 3.50 and a grade of B+ or higher in all CSD course work with a 3.50 or higher overall GPA at graduation.

Code	Title	Credit Hours
Required		6-9
CSD 490	Senior Honors Project	
CSD 493	Honors Independent Study	
Select 3-6 credits from the following:		3-6
CSD 308	Language and Speech Development	
CSD 336	Speech Sound Disorders	
CSD 337	Language Disorders	
CSD 450	Diagnostic Procedures: Inquiry, Observation and Measurement	
CSD 456	Aural Rehabilitation	
CSD 457	Pediatric Aural Rehabilitation	

CSD 471 Honors Clinical Practice in Speech-Language Pathology

CSD 488 Neurology of Speech, Language and Hearing

Recognition

Receive a Certificate of Disciplinary Honors in Communication Sciences and Disorders; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Kristine Lundgren at k_lundgr@uncg.edu for further information and guidance about Honors in Communication Sciences and Disorders. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Speech Pathology and Audiology, B.S.

The Speech Pathology and Audiology major provides a preprofessional program for those preparing for graduate study in speech-language pathology or audiology. The major is designed to satisfy some requirements for the N.C. license in speech-language pathology or audiology, although no license is awarded until completion of the master's degree in speech language pathology and the Au.D. or Ph.D. in audiology. Instruction is designed to meet American Speech-Language-Hearing Association standards. Transfer students may require an additional semester to complete the undergraduate degree program. All undergraduates will register with the major code of SPAU, but will not be allowed to take CSD courses at the 300 level or above until formally accepted into the major.

Student Learning Goals

Students majoring in Speech Pathology and Audiology will be able to meet the standards detailed below.

- Identify the foundations of normal communication (speech, language, hearing).
- Explain the theories and processes involved in the identification and evaluation of communication disorders.
- Identify disorders of receptive and expressive written and oral language (phonology, morphology, syntax, semantics, and pragmatics).
- Identify disorders of speech production (articulation, voice, and fluency).
- Describe the cognitive and social aspects of communication.
- Relate issues of cultural diversity to communication and its disorders.
- Explain relationships of hearing and hearing disorders to speech and language development and disorders.
- Analyze and measure hearing function.
- Describe habilitation and rehabilitation of individuals with hearing impairment.

Admission Requirements

1. Students must be formally admitted to the Speech Pathology and Audiology Major. Only students with a written acceptance will be permitted to enroll in required courses at the 300 level or above.

2. Applicants for admission to the Speech Pathology and Audiology major may apply only after completion and/or transfer of 55 credit hours and must apply before enrollment in any required courses at or above the 300 level in the major. Applicants must have an overall grade point average of at least 3.0 to apply to the major.
3. The grade point average is a minimum requirement and simple compliance does not automatically imply admission. In all cases, admission is competitive and limited by space available in the program.
4. Students seeking admission to the Speech Pathology and Audiology Major should proceed as detailed below.
 - a. Secure an official transcript(s) of undergraduate course work completed at colleges and universities other than UNC Greensboro, and an unofficial transcript from UNC Greensboro;
 - b. Secure an application from the Communication Sciences and Disorders Program Office, 300 Ferguson Building, or online at <http://www.uncg.edu/csd/ugapp.htm>;
 - c. Deliver both the transcripts and the completed application to the Program Office, 300 Ferguson Building, by May 15.
 - d. In some cases the Program may require additional information or an interview, so the application process should be initiated immediately after completion of 55 credits.

Criteria for Continuing in the Speech Pathology and Audiology Major

Failure to meet these criteria will result in dismissal from the major and loss of approval to graduate.

1. Students must maintain a 2.50 GPA.
2. Students who earn a grade of D+ or below, as consistent with university policy, in a major course will be placed on academic probation. Students must repeat the course at UNC Greensboro within the probationary period. If the student does not earn a grade of C or better the student will be dismissed from the major. No more than one course can be taken at an outside institution. Courses must be taken at a four-year university.
3. Failure to comply with all university regulations, including the Academic Integrity Policy, will result in dismissal from the major.

CSD Residency Requirement

Students seeking an undergraduate degree in Communication Sciences and Disorders may not apply more than three semester hours from another college or university toward upper division (300 level or above) major coursework, unless prior written permission is received from the Department Chair. For the purpose of departmental residency, courses taken at schools in the Greater Greensboro Consortium (Bennett College, Elon University, Greensboro College, GTCC, Guilford College, High Point University, North Carolina A&T State University) will be counted toward the 3 credit hours of accepted transfer coursework.

Any student transferring to UNC Greensboro from another university with an undergraduate CSD program should contact the CSD Department Head or Coordinator of Undergraduate Studies to discuss specific course transfer requests prior to enrollment in the department.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Required		31
CSD 250	Concepts in Communication Sciences	
CSD 306	Introduction to Phonetics	
CSD 307	Speech and Hearing Science	
CSD 308	Language and Speech Development	
CSD 309	Anatomy and Physiology of the Speech and Hearing Mechanism	
CSD 334	Introduction to Audiology	
CSD 336	Speech Sound Disorders	
CSD 337	Language Disorders	
CSD 476	Structured Clinic Observations	
CSD 456	Aural Rehabilitation	
CSD 488	Neurology of Speech, Language and Hearing	
Speech-Language Pathology		
CSD 338	Voice and Fluency Disorders	
CSD 450	Diagnostic Procedures: Inquiry, Observation and Measurement	
Related Area Requirements		
ISM 110	Business Computing I	
PSY 121	General Psychology [†]	
SES 101	American Sign Language I	
or ASL 101	Elementary American Sign Language I	
STA 108	Elementary Introduction to Probability and Statistics ^{††}	
<i>Select an additional 3 credits from GSB list [*]</i>		
<i>Select an additional 3 credits from GNS list [*]</i>		
<i>Select 6 credits of a foreign language through the 102 level ^{**}</i>		

^{*} Not selected to fulfill the GEC requirement.

^{**} Foreign language 102 may be substituted by a second-level sign language course.

[†] Counts toward GEC GSB requirement.

^{††} Counts toward GEC GMT requirement.

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Speech-Language Pathology, M.A.

The M.A. in Speech-Language Pathology is accredited by the Council of Academic Accreditation of the American Speech-Language-Hearing Association (ASHA) and provides academic and clinical instruction sufficient for the Certificate of Clinical Competence (CCC) in speech-

language pathology awarded by ASHA and licensure in the state of North Carolina.

The program requires 66 credit hours (34 credits in academic course work and 32 credits in clinical coursework, excluding clinical practicum credits earned) and provides a lifespan approach for advanced study of language, speech, swallowing, non-speech communication systems, and hearing in persons of all ages. The UNC Greensboro Speech and Hearing Center, the hearing and speech laboratories, and a variety of human service agencies provide ample practical and research experiences.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a written personal statement, not to exceed two double-spaced typed pages, focusing on the applicant's unique qualifications and interests in the field of speech-language pathology and the master's program at UNC Greensboro.

Students are admitted for full-time study only. Permission for exceptions must be approved by faculty. Typically, students are enrolled full-time for two consecutive academic years including one summer session.

Students without an undergraduate degree in communication sciences and disorders should expect to spend approximately one year taking pre-professional courses (see Undergraduate Bulletin, CSD major) required for graduate course work and should consult with advisors in this program for course selection that will meet degree, certification, and licensure requirements.

Upon admission, students will be assigned an academic advisor, who will provide information regarding academic and clinical aspects of the program.

Degree Program Requirements

Required: 66 credit hours

Code	Title	Credit Hours
Research Techniques (6 credits)		
CSD 632	Introduction to Research in Communication Sciences and Disorders	3
Select one course (3 credits) from the following:		3
CSD 633	Special Projects in Communication Sciences and Disorders ¹	
CSD 699	Thesis ²	
Required Professional Area Courses (28 credits)		
CSD 600	Professional Issues and Ethics in Speech-Language Pathology	3
CSD 604	Fluency Disorders	2
CSD 606	Cognitive-Linguistic Disorders in Adults	3
CSD 612	Augmentative and Alternative Communication	1
CSD 614	Language Learning Disabilities	3
CSD 616	Motor Speech Disorders	3
CSD 627	Cultural and Linguistic Diversity in Communication Sciences and Disorders	1
CSD 629	Dysphagia	3
CSD 636	Prevention, Assessment, and Intervention of Communication Disorders: Birth-5	3

CSD 637	Prevention, Assessment, and Intervention of Communication Disorders: School Age	3
Select one course (3 credits) from the following:		3
CSD 605	Seminar in Speech and Language Pathology	
CSD 608	Seminar in Cleft Palate	
CSD 650	Independent Study	
Electives in Speech-Language Pathology		
May select courses in the elective professional areas of the following: ³		
CSD 619	The Supervisory Process in Communication Sciences and Disorders	
CSD 650	Independent Study	
Clinical Practicum (32 credits)⁴		
CSD 638	Minor Area Clinical Practicum for Speech-Language Pathology Majors	1
CSD 671	Beginning Clinical Practice in Speech-Language Pathology	5
Complete 26 credits in the following as advised:		26
CSD 677	Internship in Communication Disorders	
CSD 678	Advanced Clinical Practice in Speech-Language Pathology	
Total Credit Hours		66

¹ *Non-thesis students must take this course.*

² *Thesis students must also enroll in this course.*

³ *In consultation with an academic advisor in the discipline.*

⁴ *In order to meet requirements for clinical certification and state licensure, students must complete specific clinical practicum requirements.*

Collateral Expertise

Additional courses may be selected to meet basic science requirements for certification or licensure including the following:

Code	Title	Credit Hours
CSD 588	Neurology of Speech, Language and Hearing	3

Capstone Experience

Non-thesis degree candidates will complete the research courses CSD 632 Introduction to Research in Communication Sciences and Disorders and CSD 633 Special Projects in Communication Sciences and Disorders as capstone experiences. Thesis students will complete CSD 632 and CSD 699.

Dismissal From the Program

Fully admitted students will become academically ineligible to continue in the Department of Communication Sciences and Disorders under any of the following circumstances:

- Academic Ineligibility
- Grades of U, F, or WF are received in any course;
- Grades of C+ or C are received in more than 6 semester hours;
- Grades of C+ or C are received in CSD 678 Advanced Clinical Practice in Speech-Language Pathology ; or
- The required 3.0 for graduation is not achieved within the minimum number of semester hours required for the degree.

Residence Requirement

In most cases, students will enroll as full-time students in the fall semester and continue full-time enrollment for the subsequent four semesters.

Communication Sciences and Disorders (IDEALL), Ph.D.

The Inter-Institutional Distance Education Agreement for Learning and Leadership in Communication Sciences and Disorders (IDEALL CSD) Ph.D. is an extension of the UNC Greensboro CSD Ph.D. program to part-time doctoral students living in the western region of North Carolina and will prepare those who pursue careers in higher education for research careers in the academy and other settings. IDEALL CSD Program will prepare both UNC Greensboro and WCU graduates to teach and mentor undergraduate and graduate students in the areas of research and clinical supervision delivery as they create new knowledge. The educational objective of IDEALL CSD is to prepare teachers, scholars, and professional leaders. This objective will be achieved by providing an innovative, responsive, high quality, and accessible course of study to part-time CSD doctoral students who have demonstrated excellent academic achievement in CSD or closely-related disciplines.

IDEALL CSD is a UNC Greensboro degree. Students apply to IDEALL CSD through the UNC Greensboro Graduate School and graduate with a UNC Greensboro graduate doctoral degree.

The program requires a minimum of 66 credit hours. Students who enter with a master's degree are required to earn 54 credits of coursework and 12 credits minimum of dissertation. IDEALL CSD doctoral students will follow the exact course requirements that on-campus UNC Greensboro CSD Ph.D. students are required to take. A listing of those core areas is found below.

The IDEALL CSD Ph.D. program requires students to obtain 66 credit hours with 27 credits completed through WCU and 39 credits completed through UNC Greensboro. WCU courses will be delivered in a face-to-face format while UNC Greensboro courses will be delivered via distance/hybrid/face-to-face technologies.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Prospective students will apply to the IDEALL CSD Ph.D. program through the Graduate School at UNC Greensboro. Admission procedures will follow those described in the UNC Greensboro Graduate Bulletin and practiced by the doctoral program in Communication Sciences and Disorders.

Applications to the IDEALL CSD Ph.D. Program are completed online through the UNC Greensboro Graduate School website. The following materials are required for an applicant to be considered for admission to the UNC Greensboro CSD Ph.D. Program:

- Current vita
- University Transcripts
- GRE scores; TOFL scores for international students.
- GPA minimum of 3.0
- Three letters of recommendation
- Sample of writing

- Interview with the CSD Director of Graduate Study for Doctoral Education and a potential faculty sponsor in the applicant's research area of expertise
- Deadline for application is February 1

A WCU faculty representative will sit on the program admissions committee for IDEALL CSD applicants, WCU will allow visiting IDEALL CSD students to enroll in courses pertaining to their studies. UNC Greensboro will remain the students' home institution.

Degree Program Requirements

Required: 66 credit hours

Plan of Study and Individual Program Planning Committee (IPPC)

Each doctoral student will have an IPPC assigned by the UNC Greensboro CSD Department Chair. Admitted students will work with their CSD faculty mentor in designing the student's Plan of Study; the IPPC helps evaluate the student's needs and assists in developing the Plan of Study.

IDEALL CSD students will have a UNC Greensboro faculty sponsor as chair of their IPPC, in charge of directing the dissertation and the submission of all UNC Greensboro Graduate School forms. The UNC Greensboro CSD Department will submit names of WCU faculty with Ph.D. adjunct appointments with UNC Greensboro, and the UNC Greensboro Adjunct WCU faculty can serve on an IDEALL CSD's student committee.

The student must pass each of the reviews and examinations listed below.

Code	Title	Credit Hours
CSD Courses (18 credits)		
Select 18 credits from Communication Sciences and Disorder (CSD) courses ¹		
Intersecting Disciplines (12 credits)		
Select 12 credits of coursework in related disciplines ²		
Tools Courses (21 credits)³		
Select 12 credits in statistics ⁴		
Select 3 credits in teaching		
Select 3 credits in teaching practicum		
Select 3 credits in grant-writing		
Professional Seminars (3 credits)		
CSD 751	Professional Seminars in Communication Sciences and Disorders ⁵	3
Dissertation (12 credits)		
CSD 799	Dissertation	12
Total Credit Hours		66

¹ CSD courses include CSD 760 CSD 760 Advanced Seminar in Communication Sciences and Disorders, CSD 780 Independent Study, and CSD 790 Directed Research.

- 2

IDEALL CSD doctoral students select a related minor area theme and take courses from one or more disciplines around that theme. Thus, not all the minor area courses will be taken in the same department. The Intersecting Disciplines are individualized for each doctoral student and will be the same requirement for WCU IDEALL CSD students. Many of our UNC Greensboro CSD students have selected courses from Psychology, Gerontology, and Special Education Departments for their Intersecting Disciplines topic area. With the approval of the IPPC, select at least 12 credits of coursework in a related discipline that is centered around a theme rather than a single area of study (i.e. aging, neuroscience, leadership, clinical supervision, etc.) The IPPC helps evaluate the student's needs and assists in developing the Plan of Study.
- 3

Students may select tools courses from CSD courses or interdisciplinary doctoral courses taught by the UNC Greensboro School of Health and Human Sciences. The UNC Greensboro CSD department and the UNC Greensboro School of Health and Human Sciences will offer hands-on practicum courses in the areas of teaching, grant writing, clinical supervision, and academic administration.
- 4

IDEALL CSD students may take a 5th statistics course and earn a minor in statistics. 12 credits of statistics courses at WCU. These courses will then be transferred to UNC Greensboro. This requirement follows the UNC Greensboro CSD Ph.D. program requirement of 12 credits of statistics courses. The CSD Department does not have a specific statistics course sequence that all students must follow. Most of our Ph.D. students take their statistics courses through the UNC Greensboro Educational Research Methodology department.
- 5

Students will take three terms of CSD 751 to fulfill this requirement.

Reviews and Examinations

Qualifying Exams: The IPPC will prescribe the areas and elements of the exams. The exams will take place after at least three-quarters of the coursework in the Plan of Study is completed and will follow the policies and guidelines as outlined in the UNC Greensboro Graduate School policies.

Dissertation: Dissertation Proposal Defense, Approval, and Advancement to Candidacy. Following completion of course work, qualifying exams, student will have an oral defense of their dissertation proposal (topic, literature review, and methods). Upon approval of their doctoral committee of their and approval of dissertation proposal, the student may make application to The Graduate School for admission to candidacy for the doctoral degree.

Final Oral Examination: Doctoral candidates will successfully pass an oral examination of their independent dissertation study to members of their doctoral committee.

Communication Sciences and Disorders, Ph.D.

The Ph.D. in Communication Sciences and Disorders is designed for advanced study in communication sciences and disorders, intersecting disciplines, and development of research and teaching strategies. Students with backgrounds in speech language pathology, audiology, or other disciplines are encouraged to explore with the faculty the new frontiers in scientific discovery that link previous academic achievement and future study. Part-and full-time study is available.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Prospective students will apply to the CSD Ph.D. program through the Graduate School at UNC Greensboro. Admission procedures will follow those described in the UNC Greensboro University Catalog and practiced by the doctoral program in Communication Sciences and Disorders.

Applications to the CSD Ph.D. program are completed online through the UNC Greensboro Graduate School website. The following materials are required for an applicant to be considered for admission to the UNC Greensboro CSD Ph.D. program:

- Current Vita
- University Transcripts
- GRE scores; TOFL scores for international students.
- GPA min of 3.0
- Three letters of recommendation
- Sample of writing
- Interview with the CSD Director of Graduate Study for Doctoral Education and a potential faculty sponsor in the applicant's research area of expertise.
- Deadline for application is February 1

Degree Program Requirements

Required: 66 credit hours

Plan of Study and Individual Program Planning Committee (IPPC)

Each doctoral student will have an IPPC assigned by the UNC Greensboro CSD Department Chair. Admitted students will work with their CSD faculty mentor in designing the student's Plan of Study; the IPPC helps evaluate the student's needs and assists in developing the Plan of Study.

The student must pass each of the reviews and examinations listed below.

Code	Title	Credit Hours
CSD Courses (18 credits)		
Select 18 credits from Communication Sciences and Disorder (CSD) courses ¹		18
Intersecting Disciplines (12 credits)		
Select 12 credits of coursework in related disciplines ²		12
Tools Courses (21 credits) ³		
Select 12 credits in statistics ⁴		12
Select 3 credits in teaching		3
Select 3 credits in teaching practicum		3
Select 3 credits in grant-writing		3
Professional Seminars (3 credits)		
CSD 751	Professional Seminars in Communication Sciences and Disorders ⁵	3
Dissertation (12 credits)		
CSD 799	Dissertation	12
Total Credit Hours		66

- ¹ CSD courses include CSD 760 Advanced Seminar in Communication Sciences and Disorders, CSD 780 Independent Study, and CSD 790 Directed Research.
- ² With the approval of their IPPC, doctoral students will select at least 12 credits of coursework in a related discipline that is centered around a theme rather than a single area of study (i.e. aging, neuroscience, leadership, clinical supervision, etc.)
- ³ Students may select tools courses from CSD courses or interdisciplinary doctoral courses taught by the UNC Greensboro School of Health and Human Sciences. The UNC Greensboro CSD department and the UNC Greensboro School of Health and Human Sciences will offer hands-on practicum courses in the areas of teaching, grant writing, clinical supervision, and academic administration.
- ⁴ Students may take a 5th statistics course and earn a minor in statistics.
- ⁵ Students will take three terms of CSD 751 to fulfill this requirement.

Reviews and Examinations

Qualifying Exams: The IPPC will prescribe the areas and elements of the exams. The exams will take place after at least three-quarters of the coursework in the Plan of Study is completed and will follow the policies and guidelines as outlined in the UNC Greensboro Graduate School policies.

Dissertation: Dissertation Proposal Defense, Approval, and Advancement to Candidacy. Following completion of coursework, qualifying exams, student will have an oral defense of their dissertation proposal (topic, literature review, and methods). Upon approval of their doctoral committee of their dissertation proposal, the student may make application to The Graduate School for admission to candidacy for the doctoral degree.

Final Oral Examination: Doctoral candidates will successfully pass an oral examination of their independent dissertation study to members of their doctoral committee.

Community and Therapeutic Recreation

School of Health and Human Sciences

524 Highland Avenue, 200B Ferguson Building
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Stuart J. Schleien, *Department Chair and Director of Graduate Study*
Leandra A. Bedini, *Director of Undergraduate Studies*

About

The Department of Community and Therapeutic Recreation is committed to offering an academically challenging program of undergraduate education coupled with a solid foundation of a liberal arts education. The program has been accredited by the NRPA/Council on Accreditation of Parks, Recreation, Tourism and Related Professions (COAPRT) since 1981.

Mission

The Department of Community and Therapeutic Recreation prepares recreation, park, and leisure services professionals to enhance health,

wellness, and quality of life among individuals and communities through excellence in teaching, research, and community engagement.

Vision Statement

The Department of Community and Therapeutic Recreation aims to shape individuals and communities to be healthy, active, inclusive, and empowered through recreation and parks.

Values

The Department of Community and Therapeutic Recreation is guided by the execution of its mission and vision by the following fundamental values. We value:

- Recreation as a basic human need and right of all people;
- Enhanced health, wellness, and quality-of-life for individuals and communities;
- Human growth and development through opportunities for self-expression, creativity, and self-determination;
- Protection and equitable access to parks, open space, and other natural resources; and
- Inclusive communities.

Professor

Leandra A. Bedini^G
Stuart J. Schleien^G

Associate Professor

Benjamin D Hickerson^G

Academic Professional Associate Professor

Kimberly D. Miller^G

Assistant Professor

Justin Tyler Harmon^G
Judy S Kinney^G

Academic Professional Assistant Professor

Joan Langella Sutton^G

Lecturer

Phil J Fleischmann^G
Samuel A Homan

^G Graduate-level faculty

- Recreation and Parks Management, B.S. (p. 562)
- Community and Therapeutic Recreation Undergraduate Minor (p. 564)
- Parks and Recreation Management, M.S. (p. 564)

Community and Therapeutic Recreation Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors course in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Community and Therapeutic Recreation; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Stuart Shleien at sjschlei@uncg.edu for further information and guidance about Honors in Community and Therapeutic Recreation. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Recreation and Parks Management, B.S.

The Recreation and Parks Management major prepares students to pursue careers in community recreation and event planning and therapeutic recreation, and prepares students to pursue graduate study at the master's level.

Overall Requirements

- 120 credit hours to include at least 36 credits at or above the 300 course level
- Both field experiences are typically offered only during the summer sessions and should not be taken during the same summer; students should plan accordingly.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Community Recreation and Event Planning
- Therapeutic Recreation

Electives

Electives sufficient to complete 120 total credit hours required for degree.

Community Recreation and Event Planning Concentration Requirements

Code	Title	Credit Hours
Required		48-52
CTR 111	Introduction to Recreation and Parks	
CTR 212	Leadership in Recreation and Parks	

CTR 213	Program Planning in Recreation and Parks
CTR 241	Community Recreation
CTR 314	Recreation Services with Underrepresented Groups
CTR 315	Practicum in Recreation and Parks *
CTR 342	Recreation Area and Facility Development
CTR 346	Campus Recreation Management
or CTR 429	Special Event Management
CTR 415	Financing and Budgeting in Recreation and Parks
CTR 416	Management in Recreation and Parks
CTR 417	Internship in Recreation and Parks *
CTR 423	Meeting and Event Planning and Management
CTR 444	Recreation, Parks, and Health
<i>Select one course from the following:</i>	
STH 451	Service Management
KIN 420	Physical Activity Programs for Underserved Youth
PSC 440	Nonprofit Management and Leadership
Required	12
CST 105	Introduction to Communication Studies
ENG 102	College Writing II [†]
or ENG 103	Essentials of Professional and Business Writing
MAT 115	College Algebra ^{**} , ^{††}
or STA 108	Elementary Introduction to Probability and Statistics
<i>Select one course from the following:</i>	
ENG 101	College Writing I
FMS 115	Freshman Seminar in Reasoning and Discourse I [†]
RCO 101	College Writing I [†]

* An overall GPA of 2.0 or better is required prior to registration for this course.

** MAT courses numbered higher than the specified course are also accepted.

[†] Counts toward GEC GRD requirement.

^{††} Counts toward GEC GMT requirement.

Related Area Requirements

Select a minor in one of the following areas, with approval by the student's academic advisor: Business Administration, Communication Studies, Environmental & Sustainability Studies, Political Science, Sociology, or Sport Coaching.

Therapeutic Recreation Concentration Requirements

Code	Title	Credit Hours
Required		63-67
CTR 111	Introduction to Recreation and Parks	
CTR 212	Leadership in Recreation and Parks	
CTR 213	Program Planning in Recreation and Parks	
CTR 231	Introduction to Therapeutic Recreation	
CTR 314	Recreation Services with Underrepresented Groups	
CTR 315	Practicum in Recreation and Parks	
CTR 332	Clinical Procedures in Therapeutic Recreation	
CTR 338	Client Assessment in Therapeutic Recreation	
CTR 416	Management in Recreation and Parks	

CTR 417	Internship in Recreation and Parks
CTR 433	Trends and Issues in Therapeutic Recreation
CTR 437	Interventions and Facilitation Techniques in Therapeutic Recreation
CTR 415	Financing and Budgeting in Recreation and Parks
CTR 315	Practicum in Recreation and Parks *
CTR 417	Internship in Recreation and Parks *
<i>Select two of the following:</i>	
CED 474	Contemporary Topics in Counseling
CTR 342	Recreation Area and Facility Development
CTR 435	Animal Assisted Therapy
GRO 201	Envisioning Your Old Age
HDF 212	Families and Close Relationships
HDF 302	Infant and Child Development
HDF 303	Adolescent Development: From Puberty to Young Adulthood
HDF 304	Adult Development
KIN 376	Biomechanics of Sport and Physical Activity
KIN 386	Motor Development and Learning
KIN 479	Exercise and Older Adults
PHI 301	Topics in Philosophy
PSY 444	Changing Behavior in Real World Settings
PSY 470	Psychological Disorders of Children
SES 101	American Sign Language I
or ASL 101	Elementary American Sign Language I
SES 200	People with Disabilities in American Society
SOC 222	Sociology of Deviant Behavior
SOC 323	Global Deviance
SES 440	Intro to Special Education
Required 12	
CST 105	Introduction to Communication Studies
ENG 102	College Writing II [†]
or ENG 103	Essentials of Professional and Business Writing
MAT 115	College Algebra ^{** †††}
or STA 108	Elementary Introduction to Probability and Statistics
<i>Select one of the following:</i>	
ENG 101	College Writing I [†]
FMS 115	Freshman Seminar in Reasoning and Discourse I [†]
RCO 101	College Writing I [†]
Related Area Requirements	
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory ^{††}
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory
or KIN 291 & 291L	Clinical Human Anatomy and Clinical Human Anatomy Laboratory
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory
or KIN 292 & 292L	Clinical Human Physiology and Clinical Human Physiology Laboratory
CED 310	Helping Skills
HDF 211	Human Development Across the Life Span ^{††††}

HEA 113	Medical Terminology for Public Health Professionals
PSY 121	General Psychology ^{†††}
PSY 341	Abnormal Psychology

* An overall GPA of 2.0 or better is required prior to registration for this course.

** MAT courses numbered higher than the specified course are also accepted.

† Counts toward GEC GRD requirement.

†† Counts toward GEC GNS requirement.

††† Counts toward GEC GMT requirement.

†††† Counts toward GEC GSB requirement.

Accelerated B.S. in Recreation and Parks Management to M.S. in Parks and Recreation Management

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Recreation and Parks Management may apply for admission to the Accelerated Degree Program (Applying for Admission). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants will not be required to take an entrance exam. All applicants must submit the Request for Accelerated Degree Program to The Graduate School and must simultaneously apply for admission to the graduate degree program.

Admitted students may apply a maximum of 12 credits of graduate-level coursework (each course carries 3 credits) from the following course list toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
Required for Both Concentrations		
CTR 611	Foundations of Recreation and Parks	3
CTR 613	Recreation and Parks Management	3
For the Community Recreation Management (CRM) Concentration		
Select two of the following:		6
CTR 615	Financing and Budgeting in Recreation and Parks	
CTR 644	Recreation, Parks, and Health	
CTR 646	Community Development	
For the Therapeutic Recreation Concentration		
Select two of the following:		6
CTR 633	Professional Issues in Therapeutic Recreation	
CTR 634	Advanced Procedures in Therapeutic Recreation	
CTR 637	Advanced Interventions and Facilitation Techniques in Therapeutic Recreation	
CTR 646	Community Development	

Degree Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. degree in Parks and Recreation

Management remain the same. Several undergraduate courses within the B.S. Recreation and Parks Management program will be substituted with graduate-level courses identified within the ADP.

Community and Therapeutic Recreation Undergraduate Minor

This minor complements a number of majors, including Biology, Business Administration, Communication Studies, Counseling and Educational Development, Geography, History, Hospitality and Tourism Management, Human Development and Family Studies, Kinesiology, Political Science, Psychology, Public Health, and Social Work. Fifteen credit hours are required.

Students interested in a minor in community and therapeutic recreation can declare their minor with the University Registrar's Office, but should also contact the Department of Community and Therapeutic Recreation to speak with an advisor.

Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
Required		6
CTR 101 or CTR 111	Leisure and American Lifestyles Introduction to Recreation and Parks	
CTR 212 or CTR 213	Leadership in Recreation and Parks Program Planning in Recreation and Parks	
Select 9 credits from one of the two department concentrations listed below:		9
<i>Community Recreation and Event Planning Concentration</i>		<i>9</i>
CTR 241	Community Recreation	
CTR 342	Recreation Area and Facility Development	
CTR 423	Meeting and Event Planning and Management	
CTR 429	Special Event Management	
<i>Therapeutic Recreation Concentration</i>		
CTR 231	Introduction to Therapeutic Recreation	
CTR 314	Recreation Services with Underrepresented Groups	
CTR 332	Clinical Procedures in Therapeutic Recreation	
CTR 338	Client Assessment in Therapeutic Recreation	
CTR 433	Trends and Issues in Therapeutic Recreation	
CTR 437	Interventions and Facilitation Techniques in Therapeutic Recreation	

Parks and Recreation Management, M.S.

The M.S. in Parks and Recreation Management requires 36 credit hours. Students may choose one of the following two concentrations: community recreation management or therapeutic recreation.

The student, after discussing career goals with his/her advisor, may choose either the thesis or non-thesis option. If the student selects the non-thesis option, the advisor will determine (based on amount of professional experience) whether the student completes a project, an internship, or a combination of a project and an internship. For

example, a student choosing the non-thesis option and having minimal professional experience will be required to complete an internship. Students must meet with their advisor or the Director of Graduate Study before registering for any coursework.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a current resume and a professional statement including career goals. Interviews are encouraged for all applicants and required for graduate assistants. Students who do not have an undergraduate degree in recreation and parks and/or appropriate professional experience will be required to take one undergraduate course from their concentration; i.e., CTR 241 Community Recreation. Students in the therapeutic recreation concentration will be required to take two of the following three courses; i.e., CTR 231 Introduction to Therapeutic Recreation, CTR 332 Clinical Procedures in Therapeutic Recreation, CTR 338 Client Assessment in Therapeutic Recreation.

Degree Program Requirements

Required: 36 credit hours

Code	Title	Credit Hours
Required Core Courses (9 credits) ¹		
CTR 611	Foundations of Recreation and Parks	3
CTR 613	Recreation and Parks Management	3
Select one course (3 credits) from the following:		3
CTR 646	Community Development ²	
PSC 540	Nonprofit Management and Leadership	
PCS 605	Skills and Techniques of Conflict Management	
PCS 606	Organizational Conflict: Diagnostic and Intervention Tools	
PCS 685	Resolving Conflict in Health Care Systems: Achieving Peace through Health	
PSC 600	Public Administration and Management	
PSC 604	Public Personnel Management	
Concentration Courses (9 credits)		
Select 9 credits in a concentration		9
Research Techniques (6 credits) ¹		
Select one course (3 credits) from the following:		3
HEA 604	Quantitative Methods	
KIN 723	Statistical Methods for Kinesiology	
Select one course (3 credits) from the following:		3
ERM 604	Methods of Educational Research	
HHS 625	Research Methods in the Health and Human Sciences	
KIN 601	Applying Research to Professional Practice	
SOC 616	Advanced Research Methods	
Specialized Line of Study (6-9 credits)		
Select 6-9 credits of 500-to 700-level coursework ³		6-9
Capstone Experience (6 credits)		
Select 6 credits one of the following:		6
CTR 697	Internship in Recreation and Parks	
CTR 698	Field Project in Recreation and Parks	

CTR 697 & CTR 698	Internship in Recreation and Parks and Field Project in Recreation and Parks	
CTR 699	Thesis	
Total Credit Hours		36-39

¹ Required of all CTR Graduate Students.

² For Therapeutic Recreation concentration students only.

³ After consultation and approval of his/her academic advisor, the student selects 6-9 credits of 500-to 700-level coursework that constitute a specialized knowledge base (line of study) relevant to the student's academic and professional interests and goals.

Community Recreation Management Concentration

Code	Title	Credit Hours
Required Courses (9 credits)		
CTR 615	Financing and Budgeting in Recreation and Parks	3
CTR 644	Recreation, Parks, and Health	3
CTR 646	Community Development	3
Total Credit Hours		9

Therapeutic Recreation Concentration

Code	Title	Credit Hours
Required Courses (9 credits)		
CTR 633	Professional Issues in Therapeutic Recreation	3
CTR 634	Advanced Procedures in Therapeutic Recreation	3
CTR 637	Advanced Interventions and Facilitation Techniques in Therapeutic Recreation	3
Total Credit Hours		9

Accelerated B.S. in Recreation and Parks Management to M.S. in Parks and Recreation Management

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Recreation and Parks Management may apply for admission to the Accelerated Degree Program (Applying for Admission). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the ADP before the first semester of the junior year. Applicants will not be required to take an entrance exam. All applicants must submit the Request for Accelerated Degree Program to The Graduate School and must simultaneously apply for admission to the graduate degree program.

Admitted students may apply a maximum of 12 credits of graduate-level coursework (each course carries 3 credits) from the following course list toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
Required for Both Concentrations		
CTR 611	Foundations of Recreation and Parks	3
CTR 613	Recreation and Parks Management	3

For the Community Recreation Management (CRM) Concentration

Select two of the following: 6

CTR 615	Financing and Budgeting in Recreation and Parks
CTR 644	Recreation, Parks, and Health
CTR 646	Community Development

For the Therapeutic Recreation Concentration

Select two of the following: 6

CTR 633	Professional Issues in Therapeutic Recreation
CTR 634	Advanced Procedures in Therapeutic Recreation
CTR 637	Advanced Interventions and Facilitation Techniques in Therapeutic Recreation
CTR 646	Community Development

Degree Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. degree in Parks and Recreation Management remain the same. Several undergraduate courses within the B.S. Recreation and Parks Management program will be substituted with graduate-level courses identified within the ADP.

Genetic Counseling

School of Health and Human Sciences

996 Spring Garden Street
336-256-0175
www.uncg.edu/gen

Lauren Doyle, Program Director and Director of Graduate Study

About

An interdisciplinary Master of Science in Genetic Counseling is offered through The School of Health and Human Sciences. The program is accredited by the Accreditation Council for Genetic Counseling (ACGC). Applicants admitted to the program are expected to enroll as full-time students, registering for the required courses for each of the four semesters of the program and the intervening summer sessions.

Academic Professional Associate Professor

Randi Leigh Culp Stewart^G

Academic Professional Assistant Professor

Rachel Mills

^G Graduate-level faculty

- Genetic Counseling, M.S. (p. 565)

Genetic Counseling, M.S.

The M.S. in Genetic Counseling program is accredited by the Accreditation Council for Genetic Counseling (ACGC). The program is designed to prepare students with the knowledge and proficiencies necessary to practice as genetic counselors in a variety of settings including prenatal, pediatric, adult, and cancer genetics. Upon completion of the program, students are eligible to apply for certification by the American Board of Genetic Counseling (ABGC).

A total of 58 credit hours are required for the M.S. in Genetic Counseling. The program includes required and elective coursework, laboratory

experience and clinical internships. Students are also required to complete a research project as the culminating experience for the degree.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal essay, resume, and evidence of successful completion of at least one upper level undergraduate course each in general genetics and biochemistry and at least one undergraduate course in statistics. Applicants who are evaluated as meeting the standards for admission will be invited for a required personal interview with the admissions committee.

It is recommended that applicants have previous experience in a volunteer or paid position working in social service agencies or with crisis counseling organizations. It is also recommended that applicants have previous exposure to genetic counseling via shadowing or internship experiences.

Degree Program Requirements

Required: 58 credit hours

Year One

Fall		Credit Hours
GEN 601	Principles of Genetic Counseling	3
GEN 610	Genetic Counseling and the Community	2
GEN 618	Psychosocial Seminar	1
GEN 658	Molecular Diagnostics	2
GEN 688	Genetics Journal Club	1
BIO 614	Prenatal Development, Embryology and Teratology	3
		Credit Hours 12
Summer Session I		
GEN 669	Clinical Skills Seminar	1
GEN 671	Risk Assessment in Genetic Counseling	1
		Credit Hours 2
Summer Session II		
GEN 698	Summer Clinical Rotations	2
		Credit Hours 2

Spring

GEN 602	Principles of Genetic Counseling II	3
GEN 618	Psychosocial Seminar	1
GEN 630	Medical/Clinical Genetics I	3
GEN 648	Capstone Preparation Seminar	1
GEN 688	Genetics Journal Club	1
CSD 632	Introduction to Research in Communicable Diseases and Disorders	3
Approved elective		3
		Credit Hours 15

Year Two

Fall		Credit Hours
GEN 618	Psychosocial Seminar	1
GEN 701	Principles of Genetic Counseling III	3
GEN 718	Clinical Rotations I	4
GEN 730	Medical/Clinical Genetics I	3
GEN 748	Research Project (Comprise Capstone Experience)	2
		Credit Hours 13
Spring		
GEN 618	Psychosocial Seminar	1
GEN 719	Clinical Rotations II	4
GEN 749	Research Project (Comprise Capstone Experience)	3
CED 645	Mental Health Issues for Genetic Counselors	3
PHI 620	Ethics and Genetics	3
Optional Elective		0-2
		Credit Hours 14
		Total Credit Hours 58

Elective Courses

An elective relevant to the student's professional goals will be selected during the second semester of the program. Electives must be approved by the program director. With approval of the program director, students may select an additional (optional) elective in the fourth semester of the program.

Clinical Internships

The clinical rotations are an integral part of the program and serve to provide students with opportunities to increase their general clinical knowledge, gain experience with genetic counseling for a variety of indications, and develop the necessary skills and competencies required for the practice of genetic counseling. Under the supervision of on-site, board certified genetic counselors, students will progress from observation to participation in various aspects of clinical genetic services. Evaluation/feedback of the student's activities and progress will be an ongoing component of the clinical rotations. At the end of each rotation, a formal written evaluation will be conducted by the Clinical Supervisor and reviewed with the student. Students will be required to keep an accurate logbook of clinical cases according to guidelines provided by the Accreditation Council for Genetic Counseling. Students will complete a summer clinical rotation (GEN 698 Summer Clinical Rotations) during Summer Session II of the program. Summer clinical rotations will be available at the following sites: Carolinas Healthcare System, Duke University Medical Center, Fullerton Genetics Clinic, Cone Health System, University of North Carolina at Chapel Hill, Wake Forest School of Medicine, and Women's Health Specialties in Wilmington. Students may also make arrangements for a summer clinical rotation at another site with permission of the program director.

During the second year of the program, students will be assigned to four clinical rotations (GEN 718 Clinical Rotations I/GEN 719 Clinical Rotations II). Second year clinical rotations will be available at the following sites: Carolinas Healthcare System, Duke University Medical Center, Cone Health System, University of North Carolina at Chapel Hill, and Wake Forest School of Medicine, and Fullerton Genetics Clinic.

Research Project

The culminating experience for students in the genetic counseling program will be a formal research project (GEN 748 Research Project/GEN 749 Research Project). The research project may consist of a detailed case study and library synthesis, a clinical application, or an original clinical or laboratory research project. Students must select a project during the second semester of the program. All projects must be approved by the program director. Projects will be completed under the guidance of a research project committee, which will consist of a chair and two other members. Adjunct clinical faculty may serve on research project committees. Students will be required to submit a detailed written report of their project and to make an oral presentation about their project to their classmates and the faculty.

Human Development and Family Studies

School of Health and Human Sciences

248 Stone Building
336-334-5307
www.uncg.edu/hdf

Catherine Scott-Little, *Interim Chair of Department*

Stephanie Irby Coard, *Director of Graduate Studies*

Anne C. Fletcher, *Director of Undergraduate Studies*

Karen La Paro, *Director of Birth through Kindergarten Program*

About

The Department of Human Development and Family Studies offers an undergraduate program leading to the Bachelor of Science degree in Human Development and Family Studies. The programs include the study of the development of individuals and families throughout the life span, seeking to improve their well-being through the creation, use, and dissemination of knowledge. Programs of study in the department are multidisciplinary, requiring a synthesis of knowledge from the social and behavioral sciences and from the field of education. The goal of the Department of Human Development and Family Studies is to provide the best opportunity in North Carolina for undergraduates to prepare for careers in child, adolescent, adult, and family care services; in the care and education of children with/without disabilities from birth to kindergarten; teaching in community child care programs and in preschool and kindergarten classrooms in the public school; and in cooperative extension and state agencies.

The Human Development and Family Studies undergraduate major offers students three different major/concentration options. Early Care and Education prepares students for careers in child care centers and agencies, private kindergartens, and hospital child care. Birth Through Kindergarten Teacher Education prepares students to teach in North Carolina public preschools and kindergartens, in addition to child care centers and other early care agencies. Birth Through Kindergarten Teacher Education and Early Care and Education are also available online for students transferring in with an A.A.S. degree in early childhood from a N.C. Community College. Child, Youth, and Family Development prepares students for careers in family, governmental, and community service agencies that serve children, adolescents, adults, the elderly, and their families.

The internship program within the department provides students with opportunities for professional experiences in the career field of their choice. The department also administers the Child Care Education Program at three sites with an enrollment of 80 children in all-day child care. All serve as laboratories for the study of children and their families.

The Department of Human Development and Family Studies faculty have a wide range of research interests and methodological approaches. The faculty's research interests cluster in five focal areas:

- Early childhood development, care, and education including social, emotional, and cognitive development in young children, child care, and early childhood education;
- Parent-child relationships;
- Adolescence;
- Close relationships, marriage, and divorce; and
- Human development and family diversity in sociocultural context.

Faculty use a variety of quantitative and qualitative approaches including tests of children's social and cognitive development, micro-analytic analyses of peer and parent-child interactions, surveys, interviews, feminist methodologies such as photovoice and interpretive inquiry, and the design and evaluation of educational and intervention programs for children, family members, and educational personnel. Within these general areas of concentration and varied methods of inquiry, students focus upon more specific topics of study.

Graduate course work in human development and family studies focuses on individuals and families as they relate to friendship and kinship networks, the workplace, and economic, human service, health, and formal and informal educational systems. Graduate students have considerable flexibility in tailoring their studies to special interests and career goals. The department also offers several graduate programs jointly with the Department of Specialized Education Services: a M.Ed. in Birth-Kindergarten Interdisciplinary Studies in Education and Development; a Post-Baccalaureate Certificate in Birth-Kindergarten Initial Licensure; and a Post-Baccalaureate Certificate in Leadership in Infant and Toddler Learning. For information about these programs, see the Birth Through Kindergarten section under Interdisciplinary Programs at <https://catalog.uncg.edu/interdisciplinary-programs/birth-kindergarten/>.

Professor

Arthur D. Anastopoulos^G
 Cheryl Ann Buehler^G
 David H. Demo^G
 Mark Allen Fine^G
 Anne C. Fletcher^G
 Heather Mae Helms^G
 Linda Lott Hestenes^G
 Andrea G. Hunter^G
 Karen M. La Paro^G
 Esther Mae Leerkes, *Professor and Jefferson Pilot Distinguished Professor*^G
 Daniel Perlman^G
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 Dena Phillips Swanson^G
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Associate Professor

Stephanie Irby Coard^G
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 Danielle A. Crosby^G
 Sudha Shreeniwas^G
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Academic Professional Associate Professor

Kathryn Aldridge
 Joi W. Bulls^G

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Rachel Jepkemboi Boit^G
 Bridget L. Richardson^G
 Jocelyn R. Smith Lee^G

Academic Professional Assistant Professor

Harriette Bailey

Visiting Assistant Professor

Elisa Avellar Mercon Vargas

Academic Professional Instructor

Garon Stradley Smith

Lecturer

Bette Theilig Beane
 Lindsey Ruth Gedaly
 Beka Chace Pierro
 Lisa Kaye Yates

- Birth Through Kindergarten Teacher Education, B.S. (p. 568)
- Human Development and Family Studies, B.S. (p. 570)
- Human Development and Family Studies Undergraduate Minor (p. 572)
- Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed. (p. 535)
- Human Development and Family Studies, M.S. (p. 574)
- Human Development and Family Studies, Ph.D. (p. 574)
- Human Development and Family Studies, Doctoral Minor (p. 575)
- Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate (p. 538)
- Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate (p. 538)

* *These interdisciplinary programs are jointly offered by the Department of Human Development and Family Studies and the Department of Specialized Education Services:*

- *Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed.*
- *Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate*
- *Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate*

Human Development and Family Studies Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Human Development and Family Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Sudha Shreeniwas at s_shreen@uncg.edu for further information and guidance about Honors in Human Development and Family Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Birth Through Kindergarten Teacher Education, B.S.

Admission to the HDF department is subject to space availability. If space is available, admission to the programs is granted to students who meet the minimum criteria that follow. Admission forms are available on the department website.

Minimum Requirements for Admission Foundation Courses

Completion of the following group of foundation courses with minimum grade of C:

Code	Title	Credit Hours
HDF 211	Human Development Across the Life Span	
HDF 212	Families and Close Relationships	
HDF 302	Infant and Child Development	

Minimum GPA

51 credit hours with a minimum overall 2.70 GPA.

Transfer Students

Transfer students with 60 credits may apply for admission after completing 12 credits at UNC Greensboro with a minimum overall 2.70 GPA.

Preference

If space is limited in the Birth Through Kindergarten Teacher Education major, preference will be given to students based on the criteria that follow:

1. Overall GPA
2. Performance in HDF 315 and HDF 341.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Required		46
HDF 211	Human Development Across the Life Span [†]	
HDF 212	Families and Close Relationships [†]	
HDF 250	Introduction to Birth through Kindergarten Education and Programs	
HDF 302	Infant and Child Development	
HDF 390	Families and Children in Global Perspective	
HDF 409	Family Diversity	
HDF 420	Birth to Kindergarten Teaching Practicum I	
HDF 440	Birth to Kindergarten Teaching Practicum II	
HDF 470	Leadership in Early Education	
HDF 315	Assessment and Planning for Inclusive B-K Programs	
HDF 341	Social Emotional Competence in Inclusive Settings	

HDF 425	Infants and Toddlers: Development, Learning, and Curriculum
HDF 435	Preschool: Development, Learning, and Curriculum
HDF 436	Kindergarten: Development, Learning, and Curriculum
HDF 468	Diversity in Inclusive Early Care and Education

[†] Counts toward GEC GSB requirement.

Related Area Requirements

Code	Title	Credit Hours
Required		12
MAT 112	Contemporary Topics in Mathematics ^{††}	
NTR 213	Introductory Nutrition ^{†††}	
SES 460	Home-School Partnerships for Students with Exceptional Needs	
SWK 484	Social Services for Children	
Select one option of the following:		4
<i>Option A</i>		
BIO 105 & 105L	Major Concepts of Biology and Major Concepts of Biology Laboratory ^{†††}	
<i>Option B</i>		
BIO 111	Principles of Biology I ^{†††}	
<i>Option C</i>		
CHE 101 & CHE 110	Introductory Chemistry and Introductory Chemistry Laboratory ^{†††}	
<i>Option D</i>		
GES 106 & GES 103L	Geosystems Science and Earth Science Laboratory ^{†††}	
<i>Option E</i>		
ATY 253 & 253L	Introduction to Biological Anthropology and Introduction to Biological Anthropology Laboratory ^{†††}	

^{††} Counts toward GEC GMT requirement.

^{†††} Counts toward GEC GNS requirement.

Teacher Education Requirements

To be admitted to Teacher Education, students must achieve a 3.0 overall GPA. Students are also required to be certified in First Aid and CPR prior to student teaching.

Code	Title	Credit Hours
Student Teaching		12
HDF 460	Supervised Student Teaching	
HDF 461	Student Teaching Seminar	
Additional Courses		15
KIN 342	Teaching Motor Skills to Preschool Children	
NUR 345	Basic Health Management of Children	
SES 242	Introduction to Exceptional Children: Early Years	
SPA 121	Basic Spanish for Teachers	
TED 416	Emergent Literacy and Literature	

Electives

Electives sufficient to complete 120 total credit hours required for degree.

Human Development and Family Studies, B.S.

Admission to the HDF department is subject to space availability. If space is available, admission to the programs is granted to students who meet the minimum criteria that follow. Admission forms are available on the department website.

Child, Youth, and Family Development Concentration

Minimum Requirements for Admission

Foundation Courses

Completion of the following group of foundation courses with minimum grade of C:

Code	Title	Credit Hours
HDF 211	Human Development Across the Life Span	
HDF 212	Families and Close Relationships	
HDF 302	Infant and Child Development	
HDF 303	Adolescent Development: From Puberty to Young Adulthood	
HDF 304	Adult Development	

Minimum GPA

51 credit hours with a minimum overall 2.70 GPA.

Transfer Students

Transfer students with 60 credits may apply for admission after completing 12 credits at UNC Greensboro with a minimum overall 2.70 GPA.

Preference

If space is limited in the Human Development and Family Studies major, preference will be given to students based on the criteria that follow:

1. Overall GPA
2. Performance in HDF 211, HDF 212, HDF 302, HDF 303, and HDF 304.

Early Care and Education Concentration

Minimum Requirements for Admission

Foundation Courses

Completion of the following group of foundation courses with minimum grade of C:

Code	Title	Credit Hours
HDF 211	Human Development Across the Life Span	
HDF 212	Families and Close Relationships	
HDF 302	Infant and Child Development	

Minimum GPA

51 credit hours with a minimum overall 2.70 GPA.

Transfer Students

Transfer students with 60 credits may apply for admission after completing 12 credits at UNC Greensboro with a minimum overall 2.70 GPA.

Preference

If space is limited in the Human Development and Family Studies major, preference will be given to students based on the criteria that follow:

1. Overall GPA
2. Performance in HDF 315 and HDF 341.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Child, Youth, and Family Development
- Early Care and Education

Electives

Electives should be sufficient to complete the 120 credit hours required for the degree. No more than one third may be Health and Human Sciences (CSD, CTR, HDF, HEA, KIN, NTR, or SWK) courses.

Child, Youth, and Family Development Concentration Requirements

Code	Title	Credit Hours
Required		24
HDF 211	Human Development Across the Life Span [†]	
HDF 212	Families and Close Relationships [†]	
HDF 302	Infant and Child Development	
HDF 303	Adolescent Development: From Puberty to Young Adulthood	
HDF 304	Adult Development	
HDF 321	Issues in Parenting	
HDF 390	Families and Children in Global Perspective	
HDF 415	Research Methods in Human Development and Family Studies	
HDF 477	Professional Development in HDFS	
HDF 499	Supervised Professional Experience [*]	
Select one of the following:		
HDF 407	Issues Affecting Women and Families	
HDF 409	Family Diversity	
Select one of the following:		
HDF 428		

HDF 464 Advanced Family and Developmental Studies Seminar

HDF 465

Select one of the following:

HDF 445 Current Family Theory and Research

HDF 455 Current Developmental Theory and Research

† Counts toward GEC GSB requirement.

* Taken for 6 credits.

Related Area Requirements

Code	Title	Credit Hours
Required		12
NTR 213	Introductory Nutrition ^{††}	
PSY 121	General Psychology	
SOC 101	Introduction to Sociology	
STA 108	Elementary Introduction to Probability and Statistics ^{†††}	
Select eight courses of the following: *		24
<i>Group A</i> ^{**}		
ADS 201	Introduction to African American Studies	
ADS 210	Blacks in American Society: Social, Economic, and Political Perspectives	
ADS 260	Understanding Race	
ATY 100	Contemporary Non-Western Cultures	
ATY 213	Introduction to Cultural Anthropology	
ATY 312	The Anthropology of Children	
ATY 330	Cultures of North American Indians	
ATY 331	Race and Human Diversity	
ATY 333	Latin American Societies and Cultures	
ATY 335	Cultures of Africa	
ATY 385	Language and Culture	
BLS 385	American Motherhood	
CTR 314	Recreation Services with Underrepresented Groups	
ECO 100	Economics of a Global Sustainable Society	
HDF 392		
HEA 307	Global Health	
HEA 350	Race, Ethnicity, and Health	
HEA 433	Gender and Health	
or NUR 330	Global Perspectives on the Health of Women	
IGS 200	Introduction to International and Global Studies	
PSC 290	The Politics of the Non-Western World	
PSY 346	The Psychology of Gender	
PSY 370	Ethnicity, Development, and Psychopathology	
REL 248	Comparative Religious Ethics	
REL 254	Religion in Traditional Societies	
SES 200	People with Disabilities in American Society	
SES 460	Home-School Partnerships for Students with Exceptional Needs	
SOC 202	Social Problems in Global Context	
SOC 225	Race, Class, and Gender: Social Inequalities	
SOC 327	Race and Ethnic Relations	
SOC 329	Sociological Perspectives on Gender	

SOC 354	
SOC 364	African American Social Thought
SOC 419	Gender, Crime, and Deviance
SWK 484	Social Services for Children
WGS 250	An Introduction to Women's and Gender Studies
WGS 270	Introduction to LGBTQI Studies
WGS 350	Introduction to Feminist Theories
<i>Group B</i> ¹	
CED 310	Helping Skills
CED 393	
CST 200	Communication and Community
CST 207	Relational Communication
CST 210	Communicating Ethically
CST 337	Intercultural Communication
CST 341	Communication and Workplace Relationships
CST 344	Conflict Communication
CST 415	Family Communication
GRO 602	Seminar: Critical Issues of Aging
HDF 301	Development of School-Age Children
HEA 201	Personal Health
HEA 260	Human Sexuality
HEA 310	Mental Health and Well-Being
HEA 318	
HEA 331	Alcohol, Tobacco, and Other Drugs
HEA 471	Immigrant and Refugee Health
PSY 240	Principles of Learning
PSY 265	Theories of Personality
PSY 275	Introduction to Clinical Psychology
PSY 341	Abnormal Psychology
PSY 375	Psychology of Aging
SES 101	American Sign Language I
or ASL 101	Elementary American Sign Language I
SES 102	American Sign Language II
or ASL 102	Elementary American Sign Language II
SES 240	Communication Development in Children
SES 242	Introduction to Exceptional Children: Early Years
SOC 222	Sociology of Deviant Behavior
SOC 350	Juvenile Delinquency
SWK 470	Social Services for the Aging
HDF 401	Special Problems in Human Development and Family Studies ²

* Four must be from Group A—International and Family and/or Developmental-Focused or Diversity Focused Courses. The other four may be from Group A, Group B, or a mix of the two.

** Study Abroad course work for 3 credits or 6 credits may also apply.

¹ Foreign Language for three 3 credits or 6 credits may also apply.

² Course may apply when taken for three 3 or 6 credits

†† Counts toward GEC GNS requirement.

††† Counts toward GEC GMT requirement.

Early Care and Education Concentration Requirements

Code	Title	Credit Hours
Required		52
HDF 211	Human Development Across the Life Span [†]	
HDF 212	Families and Close Relationships [†]	
HDF 250	Introduction to Birth through Kindergarten Education and Programs	
HDF 302	Infant and Child Development	
HDF 321	Issues in Parenting	
HDF 315	Assessment and Planning for Inclusive B-K Programs	
HDF 341	Social Emotional Competence in Inclusive Settings	
HDF 390	Families and Children in Global Perspective	
or HDF 409	Family Diversity	
HDF 420	Birth to Kindergarten Teaching Practicum I	
HDF 425	Infants and Toddlers: Development, Learning, and Curriculum	
HDF 435	Preschool: Development, Learning, and Curriculum	
HDF 440	Birth to Kindergarten Teaching Practicum II	
HDF 450	Professional Experience in Early Childhood [*]	
HDF 468	Diversity in Inclusive Early Care and Education	
HDF 470	Leadership in Early Education	
HDF 482	Administration of Dependent Care Programs	

^{*} Course may apply when taken for 6 credits.

[†] Counts toward GEC GSB requirement.

^{††} Counts toward GEC GNS requirement.

Related Area Requirements

Code	Title	Credit Hours
Required		18
NUR 345	Basic Health Management of Children	
NTR 213	Introductory Nutrition ^{††}	
SES 242	Introduction to Exceptional Children: Early Years	
SES 460	Home-School Partnerships for Students with Exceptional Needs	
SWK 484	Social Services for Children	
TED 416	Emergent Literacy and Literature	

Select one option of the following: 4

Option A

BIO 105 & 105L Major Concepts of Biology and Major Concepts of Biology Laboratory ^{††}

Option B

BIO 111 & 111L Principles of Biology I and Principles of Biology I Laboratory ^{††}

Option C

CHE 101 & CHE 110 Introductory Chemistry and Introductory Chemistry Laboratory ^{††}

Option D

GES 106 & GES 103L Geosystems Science and Earth Science Laboratory

Option E

ATY 253 & 253L Introduction to Biological Anthropology and Introduction to Biological Anthropology Laboratory ^{††}

Select 6 credits from one of the following two blocks: 6

Administration and/or Management

BUS 240 Introduction to the Entrepreneurial Experience
CST 341 Communication and Workplace Relationships
FIN 200 Introduction to Entrepreneurial Finance
MGT 300 Management of Organizations
MGT 312 Organizational Behavior

World Cultures

ATY 100 Contemporary Non-Western Cultures
ATY 213 Introduction to Cultural Anthropology
ATY 330 Cultures of North American Indians
ATY 333 Latin American Societies and Cultures
ATY 335 Cultures of Africa
GES 315 The Geography of World Affairs
HDF 390 Families and Children in Global Perspective
HEA 307 Global Health
HIS 217 The World in the Twentieth Century
HIS 218 The World since 1945
IGS 200 Introduction to International and Global Studies
REL 109 Religion and Contemporary Culture
PCS 305 Foundations of Peace and Conflict Studies
PCS 309 Conflict and Culture
PSC 290 The Politics of the Non-Western World
SOC 202 Social Problems in Global Context
SPA 121 Basic Spanish for Teachers

Study Abroad 6

Taken for up to 6 credits

Human Development and Family Studies Undergraduate Minor

Program Requirements

- Minimum of 18 credit hours (minimum of 12 credits in HDF)

Completion of 18 credits in HDF courses with a C or better as provided below.

Code	Title	Credit Hours
Required		
HDF 211	Human Development Across the Life Span	
HDF 212	Families and Close Relationships	
HDF 321	Issues in Parenting	
HDF 390	Families and Children in Global Perspective	
Select 6 credits of the following:		
HDF 301	Development of School-Age Children	
or HDF 302	Infant and Child Development	

HDF 303	Adolescent Development: From Puberty to Young Adulthood
HDF 304	Adult Development

Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed.

The synchronous online Master of Education (M.Ed.) program in Birth-Kindergarten Interdisciplinary Studies in Education and Development is offered jointly by the Department of Human Development and Family Studies and the Department of Specialized Education Services. The program prepares students to assume leadership roles in diverse settings (both education and community-based) that develop and implement programming for young children with and without disabilities, ages birth to five, and their families. The degree consists of a minimum of 37 credit hours of graduate course work beyond the bachelor's degree.

Two concentrations are offered: one in Early Childhood Leadership and Advanced Teaching Licensure and another in Early Childhood Leadership and Program Administration.

The concentration in Early Childhood Leadership and Advanced Teaching Licensure is designed for students with a Standard Professional I or initial license seeking education in early childhood leadership and an advanced teaching license. Those with an initial license in another field of education must satisfy prerequisite requirements and complete eight weeks of student teaching (which adds 6 credit hours to the program). Students are eligible for the "M" advanced license in BK upon successful completion of the program.

The concentration in Early Childhood Leadership and Program Administration equips teachers, directors/administrators, technical assistance providers, and other professionals working closely with early childhood educators to be leaders in the field. It includes advanced training in a variety of areas, including personnel development and support, financial management, early childhood systems and policy, leadership and mentoring, child and program assessment, and curriculum within the context of family-centered practices to work effectively with diverse children and families in inclusive settings.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Applicants must submit an application to The Graduate School, which includes: a professional statement, a current resume, official transcripts with a GPA of 3.0 or higher, and three letters of recommendation with at least one academic reference if possible. Applicants to the Early Childhood Leadership and Advanced Teaching Licensure Concentration must also submit documentation of their initial teaching license. The GRE is not required. An interview and writing sample may be required.

Degree Program Requirements

Required: 37 credit hours

Additional academic work may need to be completed by students without foundational skills or content knowledge in early childhood. Credits may only be applied toward the M.Ed. degree from Birth-Kindergarten Initial Licensure or Leadership in Infant and Toddler Learning Post-Baccalaureate Certificate courses (see Birth-Kindergarten: Initial Licensure or Leadership in Infant and Toddler Learning Post-

Baccalaureate Certificate program requirements). The amount of credit that may be applied toward the M.Ed. degree varies depending on the concentration a M.Ed. student selects. Examples of courses that may be applied toward the M.Ed. degree program include SES 601 Introduction to Inclusive Birth-Kindergarten Services and SES 603 Screening/Assessment in Inclusive Early Childhood Services.

Code	Title	Credit Hours
Core Courses Required for Both Concentrations (21 credits)		
<i>Course Work Related to Theory and Practice (15 credits)</i>		
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 602	Inclusive Family-Centered Practices in Early Childhood	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
HDF 633	Advanced Curriculum in Early Childhood Education	3
HDF 636	Leadership and Mentoring in Educating Young Children	3
<i>Course Work Related to Research (6 credits)</i>		
ERM 604	Methods of Educational Research	3
HDF 650	Theory and Research in Early Childhood	3
Concentration (10 credits)		
Select one of the following concentrations:		10
<i>Early Childhood Leadership and Advanced Teaching Licensure Concentration</i>		
<i>Early Childhood Leadership and Program Administration Concentration</i>		
Practicum (6 credits)		
SES 604	Internship in Inclusive Early Childhood	6
Total Credit Hours		37

Professional Portfolio (Capstone Experience)

The final portfolio is the culminating experience. It includes two components:

1. A written document that includes a series of reflective essays and
2. An oral defense, discussing the content of the essays and rationale for the use of documents.

This portfolio will demonstrate the mastery of skills and knowledge in the program competency areas. It is submitted by the student and evaluated by a team of two faculty and one practicing professional. If the portfolio and presentation do not meet departmental standards, one revision is allowed. The final portfolio is required of all students graduating from the program.

Early Childhood Leadership and Advanced Teaching Licensure Concentration

Code	Title	Credit Hours
In addition to the core courses, the Early Childhood Leadership and Advanced Teaching Licensure Concentration requires:		
Course Work Related to Theory and Practice (4 credits)		
HDF/SES 606	Preschool-Kindergarten Learning in Inclusive Settings	4
Electives (6 credits)		

Select 6 credits from the following: *	6
HDF 634 Contemporary Issues in Early Childhood Policy	
HDF 653 Contemporary Research in Family Studies	
HDF 730 Cross-Cultural Perspectives on Child Development	
SES 605 Diversity and Inclusive Early Care and Education	
SES/HDF 607 Infant-Toddler Learning in Inclusive Settings	
SES 647 Collaboration and Leadership	
SES 662 Assistive Technology for Inclusive Education	
Practicum (6 credits)	
SES 649C Practicum in Special Education **	6
Total Credit Hours	16

* To be selected from list or with approval of advisor. Other courses with approval of advisor.

** As applicable, if student's initial licensure is in an area other than Birth-Kindergarten.

Early Childhood Leadership and Program Administration Concentration

Code	Title	Credit Hours
In addition to the core courses, the Early Childhood Leadership and Program Administration Concentration requires:		
Course Work Related to Theory and Practice (4 credits)		
HDF 602	Special Topics in Human Development and Family Studies	4
Required Electives (6 credits)		
HDF 634	Contemporary Issues in Early Childhood Policy	3
SES 605	Diversity and Inclusive Early Care and Education	3
Total Credit Hours		10

Human Development and Family Studies, M.S.

The M.S. in Human Development and Family Studies requires a minimum of 40 credit hours (including thesis) and prepares graduates to conduct research or to embark on a doctoral program of study.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to a review of the admission materials required by The Graduate School, the department considers the compatibility of the student's interest areas with those of the faculty and with curriculum emphasis, as well as the student's availability for full-time graduate study.

Degree Program Requirements

Required: 40 credit hours

Code	Title	Credit Hours
Core Content (19 credits)		
HDF 640	Professional Seminar	1
HDF 653	Contemporary Research in Family Studies	3
HDF 651	Contemporary Research in Human Development	3
HDF 652	Theories of Human Development	3

HDF 655	Family Theory	3
HDF 656	Race, Class, and Culture	3
HDF 661	Professional Seminar II	1
HDF 745	College Teaching in Human Development and Family Studies	2
Area of Specialization (6 credits)		
Select 6 credits *		6
Statistics and Methodology (9 credits)		
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3
HDF 658 (COURSE INACTIVE)		3
Research (Capstone Experience) (6 credits)		
HDF 699	Thesis	6
Oral Examination		
Total Credit Hours		40

* Area of specialization courses are selected jointly by the student and the faculty advisory committee. All 6 credits must be fulfilled through content courses, and at least 3 of the 6 credits must be taken within the Department of Human Development and Family Studies. Please note that research methods and statistics cannot count as area of specialization courses for the M.S. degree.

M.S. Doctoral Track

Individuals intending to continue on to doctoral studies in Human Development and Family Studies at UNC Greensboro may apply to the M.S. Doctoral Track which offers exceptionally well-qualified applicants the opportunity to gain admission to the master's and doctoral programs simultaneously. This program is designed for students who would like to obtain their M.S. and then proceed directly to the Ph.D. program. Students accepted into the Doctoral Track must fulfill all requirements for the M.S. and the Ph.D. and will earn both degrees. Students not accepted into the M.A. Doctoral Track may still be accepted into the M.S. only.

Human Development and Family Studies, Ph.D.

The Ph.D. in Human Development and Family Studies requires 91 credit hours beyond the baccalaureate degree (for students entering the program in the M.S. Doctoral Track) or a minimum of 51 credit hours beyond a master's degree. Entering doctoral students who have completed a master's degree at another institution or department must fulfill (or have comparable substitutions for) all of the requirements of the HDFFS M.S. degree program. Assessment of prerequisite courses occurs at the time of admission to the program. These requirements must be fulfilled in addition to completing the minimum of 51 credits of course work and research shown below.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to a review of the admission materials required by The Graduate School, the department considers the compatibility of the student's interest areas with those of the faculty and with curriculum emphasis, as well as the student's availability for full-time graduate study.

M.S. Doctoral Track

Individuals intending to continue on to doctoral studies in Human Development and Family Studies at UNC Greensboro may apply to the M.S. Doctoral Track which offers exceptionally well-qualified applicants the opportunity to gain admission to the master's and doctoral programs simultaneously. This program is designed for students who would like to obtain their M.S. and then proceed directly to the Ph.D. program. Students accepted into the Doctoral Track must fulfill all requirements for the M.S. and the Ph.D. and will earn both degrees. Students not accepted into the M.S. Doctoral Track may still be accepted into the M.S. only.

Degree Program Requirements

Required: 51 credit hours

Code	Title	Credit Hours
Area of Specialization (18 credits) *		
<i>Development Area</i>		
Select one (3 credits) of the following:		3
HDF 713	Social and Emotional Development	
HDF 714	Intellectual Development in Young Children	
HDF 716	Seminar in Adolescence	
<i>Family Studies Area</i>		
Select one (3 credits) of the following:		3
HDF 721	Seminar in Parent-Child Relations	
HDF 723	Divorce, Remarriage, Cohabitation	
HDF 726	Close Relationships in Adulthood	
<i>Sociocultural Context Area</i>		
Select one (3 credits) of the following:		3
HDF 634	Contemporary Issues in Early Childhood Policy	
HDF 730	Cross-Cultural Perspectives on Child Development	
<i>Structured Electives</i>		
Select 9 credit hours of structured electives		9
Professional Development/Teaching Practicum (6 credits) **		
HDF 745	College Teaching in Human Development and Family Studies	2
HDF 750	Professional Seminar III	1
HDF 765	College Teaching Practicum in Human Development and Family Studies II	3
Statistics and Methodology (15 credits)		
STA 671	Multivariate Analysis	3
HDF 756	Advanced Research Design in Human Development and Family Studies	3
Select one additional content course (3 credits) in statistical analysis		3
Select one additional content course (3 credits) in research methodology		3
Select one additional content course (3 credits) in either statistical analysis or research methodology		3
Research (12 credits)		
HDF 799	Dissertation Problem	12
Total Credit Hours		51

* The Ph.D. program requires the completion of 18 credit hours of elective coursework (selected jointly by the student and the faculty advisory committee) beyond the minimum of 9 credits of specialization course work taken for the M.S.. Of the 18 credits to be taken for the Ph.D., 9 credits must be fulfilled through structured electives.

Specific offerings of HDF 602 Special Topics in Human Development and Family Studies will be eligible for inclusion in target areas specified by the department.

** All doctoral students will complete a two-semester teaching practicum supervised by the student's advisor, or the advisor's designee. The practicum requires the student to serve as an assistant, then as a co-instructor of a course (or courses) at the 200, 300, or 400 level.

Preliminary Examination

Written and oral preliminary examinations of the student's knowledge of the specialization area and of research methods, design, and statistical analyses, must be passed prior to commencing the dissertation research.

Requirements for the M.S. and Ph.D. program of study are specified further in departmental curriculum guides.

Human Development and Family Studies, Doctoral Minor Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Core (3 credits)		
Select one course (3 credits) from the following:		3
HDF 651	Contemporary Research in Human Development	
HDF 652	Theories of Human Development	
HDF 653	Contemporary Research in Family Studies	
HDF 655	Family Theory	
Electives (9 credits)		
Select three courses (9 credits) from the following:		9
HDF 602	Special Topics in Human Development and Family Studies	
HDF 634	Contemporary Issues in Early Childhood Policy	
HDF 636	Leadership and Mentoring in Educating Young Children	
HDF 650	Theory and Research in Early Childhood	
HDF 713	Social and Emotional Development	
HDF 714	Intellectual Development in Young Children	
HDF 716	Seminar in Adolescence	
HDF 721	Seminar in Parent-Child Relations	
HDF 723	Divorce, Remarriage, Cohabitation	
HDF 726	Close Relationships in Adulthood	
HDF 730	Cross-Cultural Perspectives on Child Development	
HDF 756	Advanced Research Design in Human Development and Family Studies	
Total Credit Hours		12

Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Birth-Kindergarten (BK) Initial Licensure provides training for students with a bachelor's degree seeking an initial NC Birth-Kindergarten teaching license. This certificate program requires 20 credit hours and is offered jointly by the departments of Human Development and Family Studies and Specialized Education Services. The program is designed to provide students with graduate level training and an initial teaching license in BK. Students also have an option for transitioning from this program into the M.Ed. program in which they may be eligible for an advanced license in BK. Coursework from the plan of study for the Post-Baccalaureate Certificate may be applied to the M.Ed. in Birth to Kindergarten: Interdisciplinary Studies in Education and Development provided the student meets all admission requirements of The Graduate School, the Department of Human Development and Family Studies and the Department of Specialized Education Services.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The certificate is available to individuals with a bachelor's degree in early childhood education, child development, early childhood special education, or a related field. Students who wish to transition into the M.Ed. program must submit a new application for the M.Ed. to The Graduate School. It is the students' responsibility to initiate the process and review it with their advisor.

Certificate Program Requirements

Required: 20 credit hours

Code	Title	Credit Hours
BK Initial Licensure Required Courses (20 credits)		
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
SES/HDF 606	Preschool-Kindergarten Learning in Inclusive Settings	4
SES/HDF 607	Infant-Toddler Learning in Inclusive Settings	4
SES 649C	Practicum in Special Education	6
Total Credit Hours		20

Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Leadership in Infant and Toddler Learning requires 19 credit hours and is offered jointly by the departments of Human Development and Family Studies and Specialized Education Services. The program is designed to provide students with graduate level training and a credential to pursue careers in leadership positions in early care and education settings focusing on infants and toddlers, including early intervention, Smart Start, resource and referral, and community college instruction.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The certificate is available to students with a bachelor's or master's degree who do not plan to pursue a degree program or for students who are pursuing a master's degree in Human Development and Family Studies or Specialized Education Services. If pursuing a master's degree simultaneously, students must meet all requirements for admission to The Graduate School, Human Development and Family Studies, and Specialized Education Services.

The certificate is also open to graduate students with background knowledge in early childhood education, child development, early childhood special education, or a closely related field. Students who are enrolled in the LITL certificate program and wish to enroll in the M.Ed. program must submit a new application for the M.Ed. program to The Graduate School. It is the student's responsibility to initiate the process and, if accepted to the M.Ed. program, review program requirements with the advisor.

Certificate Program Requirements

Required: 19 credit hours

Code	Title	Credit Hours
Required Courses (19 credits)		
HDF/SES 607	Infant-Toddler Learning in Inclusive Settings	4
HDF 636	Leadership and Mentoring in Educating Young Children	3
HDF 650	Theory and Research in Early Childhood	3
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 602	Inclusive Family-Centered Practices in Early Childhood	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
Total Credit Hours		19

Integrated Professional Studies

School of Health & Human Sciences and UNC Greensboro Online

915 Northridge Street
336-315-7044
<http://bips.uncg.edu>

Program Administration

James Eddy, *Dean, Division of Online Learning*

Kathleen Williams, *Senior Associate Dean, School of Health and Human Sciences*

Courtney A. Harrington, *Program Director, Division of Online Learning*

Rationale and Program Objectives

The Integrated Professional Studies program provides an innovative, flexible, transdisciplinary online degree. The degree focuses on the attainment of 21st century work skills identified by employers as critical professional preparation for the jobs of the future. Students will learn and apply core skills to specific professional contexts through case studies and other collaborative projects, and will build a portfolio demonstrating their growth throughout the degree. The professional/career/industry

areas of focus enable students to tailor curricula to their specific career goals.

Student Learning Goals

Students completing this program will be able to demonstrate the items listed below.

1. Articulate and apply skills earned through a strong liberal education background of a comprehensive general educational program.
2. Integrate and apply universal competencies in systems and design thinking, quantitative literacy, and new media literacy to a range of real-world situations.
3. Apply self-awareness and global awareness and cultural understanding to a broad range of real-world situations in a rapidly shifting demographic environment.
4. Systematically and consistently apply knowledge and skills from the universal competencies to a chosen professional career area of focus (health and wellness; arts, entertainment, and media; service; self-designed) across a range of real-world situations.

- Integrated Professional Studies Online, B.S. (p. 577)

Integrated Professional Studies Online, B.S.

Overall Requirements

- 120 credit hours, to include at least 36 credits of courses at the 300 course level or above.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Core Courses		18
IPS 301	Design Thinking	
IPS 302	Systems Thinking	
IPS 303	Understanding Data	
IPS 304	Contemporary Media Literacies	
IPS 305	Global Awareness and Intercultural Competence	
IPS 306	Self-Awareness	
Professional/Career/Industry Area of Focus		12
Select 12 credits from an Area of Focus *		
Capstone Course		3
IPS 410	Capstone	

* Students select 12 credits as listed or other approved course chosen in consultation with advisor (any course prefix, including IPS). The area of interest can be customized to the student's professional aspirations.

Areas of Focus

Health and Wellness Occupations

Code	Title	Credit Hours
CST 341	Communication and Workplace Relationships	
GES 301	Urban Geography: Global Patterns	
GES 302	Urban Geography: Land Use	
GES 304	Introduction to Transportation Analysis	
GES 306	World Economic Geography	
HEA 113	Medical Terminology for Public Health Professionals	
HHS 275	Entrepreneurial Personal Branding	
IPS 401	Selected Topics in Health and Wellness Occupations	
IPS 405	Selected Topics in Other Occupations	
NUR 390	Culture and Health Care	
PCS 308	Working through Interpersonal Conflicts	
PCS 309	Conflict and Culture	
PCS 415	Global Peacebuilding	
PHI 220	Medical Ethics	

Service Occupations

Code	Title	Credit Hours
CST 341	Communication and Workplace Relationships	
CTR 451	(COURSE INACTIVE)	
GES 301	Urban Geography: Global Patterns	
GES 302	Urban Geography: Land Use	
GES 304	Introduction to Transportation Analysis	
GES 306	World Economic Geography	
HHS 275	Entrepreneurial Personal Branding	
IPS 403	Selected Topics in Service Occupations	
IPS 405	Selected Topics in Other Occupations	
PHI 361	Ethical Issues in Business	
PCS 308	Working through Interpersonal Conflicts	
PCS 309	Conflict and Culture	
PCS 415	Global Peacebuilding	
PSC 440	Nonprofit Management and Leadership	

Arts, Entertainment and Media Occupations

Code	Title	Credit Hours
BLS 346	The Art of Life	
CST 341	Communication and Workplace Relationships	
DCE 455	Arts and Entrepreneurship: Career Strategies for Artists	
GES 301	Urban Geography: Global Patterns	
GES 302	Urban Geography: Land Use	
GES 304	Introduction to Transportation Analysis	
GES 306	World Economic Geography	
HHS 275	Entrepreneurial Personal Branding	
IPS 404	Selected Topics in Arts, Entertainment, and Media Occupations	
IPS 405	Selected Topics in Other Occupations	

PHI 361	Ethical Issues in Business
PCS 309	Conflict and Culture
PCS 415	Global Peacebuilding
PSC 440	Nonprofit Management and Leadership

Electives

Electives sufficient to complete 120 total credit hours required for the degree, to include 36 credits at or above the 300 course level.

Kinesiology

School of Health and Human Sciences

250 Coleman Building
336-334-5347
http://kin.uncg.edu

Scott E. Ross, *Chair of Department*
Paul Davis, *Director of Graduate Study*
Aaron Terranova, *Director of Undergraduate Studies*

Mission Statement The mission of the Department of Kinesiology is to prepare professionals at both the undergraduate and graduate levels through excellence in teaching, research, and service so that they may encourage enhanced performance and quality of life of all citizens of the Piedmont Triad and beyond through active lifestyles and lifetime physical activity.

Transfer Students

Students who enter the UNC Greensboro Kinesiology major as transfers in the junior year should expect to take at least an extra semester of work unless they enter with a strong background in science (KIN 291, KIN 292) and physical activities courses. For those students seeking Teacher Licensure who are also required to complete a second academic concentration, the time commitment may be further extended.

Professor
Pam Kocher Brown^G
Ang Chen^G
Jennifer Louise Etnier, *Professor and Julia Taylor Morton Distinguished Professor*^G
Diane L. Gill^G
Laurie Wideman Gold, *Professor and Safrit-Ennis Distinguished Professor*^G
Allan H Goldfarb^G
Thomas J. Martinek^G
Carl G Mattacola^G
Randy Schmitz^G
Sandra J. Shultz^G
Joseph Warren Starnes^G
Kathleen Williams^G

Associate Professor
Paul G Davis^G
Benedict Paul Dyson^G
William B. Karper^G
Christopher K Rhea^G
Scott Edwin Ross^G

Academic Professional Associate Professor
Anne O'Brien Brady^G
Greg Daniels^G
Donna Duffy^G

Jeff Daniel Labban^G
Karen 'Pea' Poole
Aaron B. Terranova^G

Assistant Professor
William M Adams^G
Eric Scott Drollette^G
Michael Anthony Hemphill^G
Jaclyn Parente Maher^G
Traci L Parry^G
Louisa Dominique Raisbeck^G
Erin Jane Reifsteck^G

Academic Professional Assistant Professor
Adam P Berg^G
DeAnne Davis Brooks^G
Jennifer Irene Farrell^G
Judy A. Fowler
Elizabeth Anne Hittinger

^G Graduate-level faculty

- Kinesiology, B.S. (p. 579)
- Physical Education, Teacher Education (K-12), B.S. (p. 580)
- Community Youth Sport Development Undergraduate Minor (p. 582)
- Sport Coaching Undergraduate Minor (p. 583)
- Athletic Training, M.S.A.T. (p. 583)
- Kinesiology, M.S. (p. 584)
- Kinesiology, M.S./Ph.D. (p. 588)
- Kinesiology, Ed.D. (p. 589)
- Kinesiology, Ph.D. (p. 590)

Kinesiology Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- A grade of at least B in all course work used to satisfy the Honors requirement in Kinesiology
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
Select 9 credits of KIN Honors courses *		9

* 6 credits of which must be at the 300-level or above.

Recognition

Receive a Certificate of Disciplinary Honors in Kinesiology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Diane Gill (336-334-4683) at dlgill@uncg.edu, for further information and guidance about Honors in Kinesiology. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Kinesiology, B.S. Requirements

The Kinesiology major requires courses in the areas listed below.

1. General Education Core Requirements
2. General Education Marker Requirements
3. Major Core Requirements
4. Related Area Requirements
5. Kinesiology Electives
6. Additional Requirements

The Kinesiology major prepares students for careers in sports medicine, preventive and rehabilitative exercise and fitness. Graduates are able to pursue careers in fitness, personal training, cardiac rehabilitation, exercise physiology and related fields. Additionally, completing this major is a first step toward providing students with the necessary academic and clinical experience for future study in allied health fields. Examples include, but are not limited to, athletic training, physical therapy, occupational therapy, physician's assistant, podiatry, dentistry, and medicine.

Student Learning Goals

1. Students completing this program will demonstrate a basic knowledge of anatomy.
2. Students completing this program will demonstrate a basic knowledge of biomechanics.
3. Students completing this program will demonstrate a basic knowledge of exercise physiology.
4. Students completing this program will demonstrate a basic knowledge of sociohistorical foundations of Kinesiology.
5. Students completing this program will demonstrate a basic knowledge of human development over the lifespan.
6. Students completing this program will apply the basic scientific theories and principles that serve as a foundation for the allied health and medical professions.
7. Students completing this program will demonstrate a basic knowledge of the structure and function of the human body and the stresses associated with movement, exercise and the demands of various physical activities.
8. Students completing this program will demonstrate a basic knowledge of the prevention, care, and treatment of injuries and illnesses that commonly occur in physical activity.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- All KIN courses must be completed with a grade of C (2.0) or higher. No required KIN course may be taken more than twice. Students who receive a grade below C twice in the same KIN prefix course will be withdrawn from the KIN major.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Required		36
KIN 220	Lifetime Wellness [†]	
KIN 250	Introduction to Kinesiology	
KIN 265	Strength Training and/or Conditioning	
KIN 330	Critical Analyses for a Physically Active Society ^{††}	
KIN 353	Injuries and Illnesses in Physical Activity	
KIN 370	Assessment and Evaluation in Kinesiology	
KIN 375	Physiology of Sport and Physical Activity	
KIN 376	Biomechanics of Sport and Physical Activity	
KIN 379	Instructional Methods of Physical Activity	
KIN 386	Motor Development and Learning	
KIN 388	Psychology of Physical Activity	
Activity Courses [*]		4
Select four activity courses.		
Related Area Requirements		
<i>Biology</i>		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory [†]	
<i>Anatomy and Physiology ^{**}</i>		
KIN 291 or BIO 271 & 271L	Clinical Human Anatomy and Human Anatomy Laboratory	
KIN 292 or BIO 277 & 277L	Clinical Human Physiology and Human Physiology Laboratory	
<i>Chemistry</i>		
Select one of the following:		
CHE 103 & CHE 110	General Descriptive Chemistry I and Introductory Chemistry Laboratory	
CHE 104 & CHE 110	General Descriptive Chemistry II and Introductory Chemistry Laboratory	
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
<i>Nutrition</i>		
Select one course with the NTR prefix chosen from course numbers 213 to 599		
<i>Communication Studies</i>		
Select one course with the CST prefix chosen from course numbers 105 to 599		
<i>Psychology</i>		
PSY 121	General Psychology ^{††}	

- * Four activity courses must be completed with a grade of C (2.0) or higher. A maximum of 2 ACT may be taken in the same semester. ACT courses which are sequential- e.g. beginner, intermediate, advanced, may not be taken concurrently. Once a course has been successfully completed, a student may not enroll in a lower level course for the same activity. A maximum of 2 DCE courses may be substituted for ACT courses provided the DCE courses are officially listed by the university as STU courses.
- ** A minimum of 3 credits of anatomy and 3 credits of physiology is required. Anatomy/physiology combined courses must be at least 6 credits to count as both anatomy and physiology. Students may take multiple levels of combined anatomy and physiology courses (A&P I and A&P II) in order to achieve the minimum 6 credits
- † Counts toward GEC GNS requirement.
- †† Counts toward GEC GSB requirement.

Additional Requirements

1. Admission

All students will be initially classified as Pre-Kinesiology. To apply for admission into the Kinesiology concentration students must have a minimum GPA of 2.50 in the major and satisfactorily complete the courses listed below.

Transfer and second-degree students must complete these requirements and successfully complete 12 credits at UNC Greensboro before applying. Application does not guarantee admission.

Qualified

The courses listed below requires a grade of C- or better.
BIO 111/BIO 111L

Qualified

The courses listed below require a grade of C or better.
KIN 250 Introduction to Kinesiology
KIN 291 Clinical Human Anatomy

Registration Restriction

Students will not be allowed to enroll in the courses listed below and any course at the 400 level or above without entrance into the KINE major.

Code	Title	Credit Hours
Required		14
KIN 353	Injuries and Illnesses in Physical Activity	
KIN 375	Physiology of Sport and Physical Activity	
KIN 376	Biomechanics of Sport and Physical Activity	
KIN 386	Motor Development and Learning	

2. Minimum Grade

To qualify for graduation in the Kinesiology concentration, all majors must achieve a minimum grade of C (2.0) in each required course with a KIN prefix (including activity courses, internships, and other non-core KIN courses) and maintain a minimum GPA of 2.50 in the major.

3. Minimum Semester Hours

To graduate, all majors must obtain at least 36 credits in courses at the 300 level or above.

4. Re-entry

Students in this concentration who do not graduate within seven years or who leave school and later re-enter are held for the current program requirements at the time of crossing from the seventh to the eighth year, or are held to the current program requirements during the year of re-entry.

5. Appeals

Appeals of any of these requirements must be filed with the appropriate departmental committee within one academic year.

Electives

Students will need to take elective credits prior to graduation. The number of electives needed varies based on course selection and any transfer credits. At least 120 credit hours are required to graduate. The KINE concentration requires 18 credits of electives with 9 of those credits from KIN prefix courses, and the remaining hours from the approved elective course list. Students will be required to successfully complete at least 3 credits of 400+ level KIN prefix course electives. No ACT course may be used as a KIN elective, KIN 000 courses which transfer to UNC Greensboro will not automatically be counted as KIN electives, but may be counted on an individual basis via appeal.

Physical Education, Teacher Education (K-12), B.S.

Overall Requirements

- 122 credit hours, to include at least 36 credits at or above the 300 course level
- All KIN courses must be completed with a grade of C (2.0) or higher. No required KIN course may be taken more than twice. Students who receive a grade below C twice in the same KIN prefix course will be withdrawn from the KIN major.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

The Physical Education and Health Teacher Education major leads to dual licensure for teaching in North Carolina and most other states. The dual licensure program prepares a student to teach physical education and health in grades K–12. Throughout the program there are opportunities for active observation, assisting teachers, peer and small group teaching, and a culminating student teaching experience with public school students, including those with special needs.

A second academic concentration in Healthful Living is required for completion of this major.

Student Learning Goals

Students completing this program will understand physical education and health content, disciplinary concepts, dispositions and tools of inquiry related to how individuals learn and develop physical literacy, movement skills, and lead healthy lifestyles. They will demonstrate effective verbal, nonverbal, and media communication techniques. They will be able to plan and implement a variety of developmentally

appropriate instructional strategies, and use both formal and informal assessment to inform instructional practice. A focus will be on becoming a reflective practitioner who collaborates with others and seeks opportunities to grow professionally.

Code	Title	Credit Hours
Required		36
KIN 220	Lifetime Wellness	
KIN 250	Introduction to Kinesiology	
KIN 265	Strength Training and/or Conditioning	
KIN 330	Critical Analyses for a Physically Active Society [†]	
KIN 370	Assessment and Evaluation in Kinesiology	
KIN 375	Physiology of Sport and Physical Activity	
KIN 376	Biomechanics of Sport and Physical Activity	
KIN 379	Instructional Methods of Physical Activity	
KIN 388	Psychology of Physical Activity	

Activity Courses ^{*}

KIN 214	Sports Performance: Racquet Sports
KIN 231	Recreational Games
<i>Select two courses from two activity areas of the following:</i>	
<i>Aquatics:</i>	
KIN 150	Swimming for Non-Swimmers
KIN 151	Beginning Swimming
<i>Rock Climbing:</i>	
KIN 180	Rock Climbing
<i>Soccer:</i>	
KIN 106	Beginning Soccer
KIN 206	Intermediate Soccer
<i>Tae Kwon Do:</i>	
KIN 272	Tae Kwon Do
<i>Ultimate Frisbee:</i>	
KIN 110	Ultimate
<i>Volleyball:</i>	
KIN 101	Beginning Volleyball
KIN 201	Intermediate Volleyball

Second Academic Concentration Requirements

In addition to the related area requirements listed below, students in this concentration must complete a second academic concentration consisting of 18 credits of course work in Healthful Living

NTR 213	Introductory Nutrition ^{††}
HEA 260	Human Sexuality
HEA 331	Alcohol, Tobacco, and Other Drugs
HEA 470	Adolescent Health
KIN 220	Lifetime Wellness
KIN 450	Instructional Strategies for School Health Education

Related Area and Teacher Licensure Requirements ^{**}

BIO 111	Principles of Biology I ^{††}
KIN 291	Clinical Human Anatomy
or BIO 271	Human Anatomy
KIN 292	Clinical Human Physiology
or BIO 277	Human Physiology
CST 105	Introduction to Communication Studies ^{†††}

DCE 200	Dance Appreciation ^{††††}
PSY 121	General Psychology [†]
TED 445	Human Diversity, Teaching, and Learning
Additional Concentration Requirements	
KIN 214	Sports Performance: Racquet Sports
KIN 231	Recreational Games
KIN 307	Observation and Analysis of Fundamental Movement
KIN 340	Healthful Living Pedagogy for Elementary School Teaching
KIN 354	Curriculum and Teaching: Children's Physical Education
CTR 314	Recreation Services with Underrepresented Groups (or KIN 381 (COURSE INACTIVE))
KIN 454	Curriculum and Teaching: Secondary School Physical Education
KIN 460	Teaching Physical Education and Health Internship
KIN 461	Student Teaching and Seminar in Physical Education

^{*} Four activity courses must be completed with a grade of C (2.0) or higher. A maximum of 2 ACT may be taken in the same semester. ACT courses which are sequential- e.g. beginner, intermediate, advanced, may not be taken concurrently. Once a course has been successfully completed, a student may not enroll in a lower level course for the same activity. A maximum of 2 DCE courses may be substituted for ACT courses provided the DCE courses are officially listed by the university as STU courses.

^{**} A minimum of 3 credits of anatomy and 3 credits of physiology are required.

[†] Counts toward GEC GSB requirement.

^{††} Counts toward GEC GNS requirement.

^{†††} Counts toward GEC GRD requirement.

^{††††} Counts toward GEC GFA requirement.

Additional Requirements

Course Restrictions

1. Admission

Students who have not been admitted to this program may not enroll in the courses listed below.

Code	Title	Credit Hours
KIN 354	Curriculum and Teaching: Children's Physical Education	
KIN 454	Curriculum and Teaching: Secondary School Physical Education	
KIN 460	Teaching Physical Education and Health Internship	
KIN 461	Student Teaching and Seminar in Physical Education	

2. UNC Greensboro

The courses listed below must be taken at UNC Greensboro for graduation and licensure

Code	Title	Credit Hours
KIN 354	Curriculum and Teaching: Children's Physical Education	

KIN 454	Curriculum and Teaching: Secondary School Physical Education
KIN 460	Teaching Physical Education and Health Internship
KIN 461	Student Teaching and Seminar in Physical Education

3. Certification

Certification in First Aid and CPR must be current for the courses listed below.

Code	Title	Credit Hours
KIN 354	Curriculum and Teaching: Children's Physical Education	
KIN 454	Curriculum and Teaching: Secondary School Physical Education	
KIN 460	Teaching Physical Education and Health Internship	
KIN 461	Student Teaching and Seminar in Physical Education	

4. Professional Liability Insurance

Professional Liability Insurance is required for the courses listed below.

Code	Title	Credit Hours
KIN 354	Curriculum and Teaching: Children's Physical Education	
KIN 381 (COURSE INACTIVE)		
KIN 454	Curriculum and Teaching: Secondary School Physical Education	
KIN 460	Teaching Physical Education and Health Internship	
KIN 461	Student Teaching and Seminar in Physical Education	

5. Minimum grade

To qualify for graduation in this concentration, all majors must achieve a grade of C (2.0) or better in each required course with a KIN prefix and those listed below.

Code	Title	Credit Hours
BIO 271	Human Anatomy	
BIO 277	Human Physiology	

Other Restrictions

- A minimum GPA of 2.50 is required for entry (application required) into and continued enrollment in the Physical Education and Health Teacher Education (PEHTE) Program. Evidence of 20 hours of working with children in a physical activity setting is also required for admittance to the PEHTE program. A 3.0 GPA is also required for entry into the UNCG's Teacher Education program (application required) and for licensure by the State of North Carolina. Passing Praxis Core Academic Skills for Educators scores (fee) are also required for entry into the UNCG's Teacher Education Program.
- A departmental application process is required to enter the program. Prior to acceptance into the Physical Education and Health Teacher

Education Program, students will be classified as pre-Kinesiology majors.

- A background check (fee) will be required for entry into the UNC Greensboro Teacher Education program and/or prior to any practical experience in the school setting.
- Liability Insurance (fee) will be required prior to any practical experience with children on campus or in a school setting.
- Students are required to pay a student teaching special fee prior to their student teaching experience.
- First Aid and CPR (fee) certification is required and must remain current for the entire student teaching experience (Student Teaching and Seminars in Physical Education).
- To qualify for graduation in this major and licensure, all majors must complete a Taskstream Portfolio (fee).
- To qualify for graduation in this major and licensure, all majors must attempt the Praxis II: Health and Physical Education: Content Knowledge test. For additional information about the Praxis II, please see the North Carolina Department of Public Instruction website at <http://www.ncpublicschools.org/licensure>.
- Licensure application must be submitted through the UNC Greensboro Teacher Education program at the completion of the PEHTE program (fee).
- To graduate, all majors must obtain at least 36 credits in courses at the 300 level or above.
- Students in this major who do not graduate within 7 years or who leave school and later reenter are held to the current program requirements at the time of crossing from the seventh to the 8th year, or are held to the current program requirements during the year of reentry.
- Appeals of any of these requirements must be filed with the appropriate departmental committee within one academic year.

Electives

Students will need to take elective hours prior to graduation. The number of electives needed varies based on course selection and any transfer credits. At least 122 credit hours are required to graduate. Students must complete at least 15 credits of electives with at least 6 credits coming from KIN courses.

Community Youth Sport Development Undergraduate Minor

The CYSD (Community Youth Sport Development) minor is designed for undergraduates with an interest in fostering relationships with youth through sport and physical activity as a means to teach social and personal responsibility.

The CYSD minor may be chosen by any degree-seeking UNC Greensboro student. The required 21 credit hours fortifies major course of studies related to youth programming by providing applied learning experiences related to teaching, mentoring, youth program design, implementation and evaluation, and cultural awareness.

Program Requirements

- Minimum of 21 credit hours

Recreation and Parks Management Majors (RPMT)

Code	Title	Credit Hours
Required		18
KIN 356	Leadership and Collaboration	
KIN 381 (COURSE INACTIVE)		
KIN 419	Mentoring in Community Youth Development Programs	
KIN 420	Physical Activity Programs for Underserved Youth	
KIN 421	Evaluation of Physical Activity Programs in Youth Development	
KIN 456	Teaching Practicum II: Children's Physical Activity	
KIN 457	Teaching Practicum: Adolescents' Physical Activity	

All Other Majors

Code	Title	Credit Hours
CTR 314	Recreation Services with Underrepresented Groups	
CTR 416	Management in Recreation and Parks	
KIN 456	Teaching Practicum II: Children's Physical Activity	
KIN 457	Teaching Practicum: Adolescents' Physical Activity	
KIN 419	Mentoring in Community Youth Development Programs	
KIN 420	Physical Activity Programs for Underserved Youth	
KIN 421	Evaluation of Physical Activity Programs in Youth Development	

Sport Coaching Undergraduate Minor

The Sport Coaching Minor may be chosen by any degree-seeking UNC Greensboro student. Students will learn the profession of sport coaching including the nature of the profession, qualifications, skills, and issues relative to coaching in community, youth sport, and interscholastic sport activities. Students will culminate their minor experience with opportunities to assume various responsibilities in selected sports under the guidance of qualified coaches.

Program Requirements

- Minimum of 19 credit hours

Code	Title	Credit Hours
Required		19
KIN 220	Lifetime Wellness	
KIN 286	Foundations of Sport Coaching	
KIN 287	Coaching in Community-Based Sport Programs	
KIN 353	Injuries and Illnesses in Physical Activity	
or KIN 265	Strength Training and/or Conditioning	
KIN 388	Psychology of Physical Activity	
or KIN 230	Psychological Skills for Optimal Performance	
NTR 213	Introductory Nutrition	
Practicum		
KIN 477	Coaching Practicum in a Selected Sport *	

* KIN 477 is the last course to be taken in the minor and may be taken only after all other courses are completed

Athletic Training, M.S.A.T.

The 50 credit hour, entry-level Master of Science in Athletic Training, accredited by the Commission on Accreditation of Athletic Training Education (CAATE), provides academic and clinical instruction sufficient for eligibility to sit for the National Athletic Trainers' Association Board of Certification (BOC) Examination.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Admission to the M.S.A.T. is competitive, limited, and not guaranteed to those who meet the minimum requirements. In addition to the admission requirements set forth by The Graduate School, applicants must also submit supplemental materials to the department as well as the Director of the Athletic Training Education Program as described at <http://kin.uncg.edu/academic-programs/graduate/areas-of-study/athletic-training/application-process/>. The following prerequisites are required for admission eligibility and must be verifiable during the application process:

Satisfactory completion (C or better) of prerequisite course work in human anatomy (lecture and lab), human physiology (lecture and lab), exercise physiology, biomechanics/kinesiology, and nutrition. A minimum of 200 hours of clinical observation/experience under a Certified Athletic Trainer within 2 years prior to program application.

The application deadline is January 15 of each calendar year after which qualified applicants will be invited by the Program Director to an on-campus visit for a personal interview at the applicant's expense. Students must also verify that they can comply with the program's technical standards. Detailed information regarding the application process, technical standards, expenses, prerequisites, and post-admission requirements are available at <http://kin.uncg.edu/academic-programs/graduate/areas-of-study/athletic-training/application-process/>.

Degree Program Requirements

Required: 50 credit hours

Code	Title	Credit Hours
Core Requirements (6 credits)		
KIN 642	Optimizing Athletic Performance	3
KIN 720	Pathophysiology and Pharmacology	3
Research Techniques (3 credits)		
KIN 601	Applying Research to Professional Practice	3
Athletic Training Requirements (29 credits)		
KIN 536	Anatomical Basis of Athletic Injury	2
KIN 634	Athletic Training Foundations	3
KIN 636	Athletic Injury Evaluation	4
KIN 638	Theoretical Modalities	4
KIN 640	Rehabilitation Techniques for Athletic Injuries	4
KIN 704	Athletic Training Seminar	3
KIN 705	Applied Rehabilitation Concepts	3
KIN 721	General Medical Conditions	3
KIN 725	Management and Professional Issues in Athletic Training	3

Integrative Clinical Experience (12 credits) *		
KIN 620	Athletic Training Clinical Experience (Fall I)	3
KIN 620	Athletic Training Clinical Experience (Spring I)	3
KIN 620	Athletic Training Clinical Experience (Fall II)	3
KIN 620	Athletic Training Clinical Experience (Spring II)	3
Total Credit Hours		50

* *Note: KIN 620 Athletic Training Clinical Experience: Taken four times for 3 credits in each semester of the student's program of study.*

Non-credit Professional Development Requirements

In addition to the 50 credits of coursework, students are required to gain approximately two weeks of clinical experience during assigned pre-season athletic practices during August of each year in the program. Students are also required to attend weekly in-services and journal club sessions during each of the fall and spring semesters in the program.

Kinesiology, M.S.

The M.S. in Kinesiology offers both a 36 credit hour thesis option and 36 credit hour coursework only option. Concentrations in applied neuromechanics, exercise physiology, curriculum and pedagogy studies in physical education, community youth sport development, and sport and exercise psychology are offered in the thesis option. Concentrations in applied sport psychology, community youth sport development, exercise physiology, motor behavior, curriculum and pedagogy studies in physical education, sport and exercise psychology, and sports medicine are offered in the course work only option. For both options, a minimum of 24 credits must be completed in the department.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit supplementary application materials required by the department.

Degree Requirements for Both Options

Required: 36 credit hours

Breadth Requirement

To enhance their knowledge of the field of Kinesiology, students who do not have an undergraduate major or minor in Kinesiology will consult with their advisor to select appropriate elective courses from at least 2 of the 8 disciplinary areas (Applied Neuromechanics, Community Youth Sport Development, Exercise Physiology, Motor Behavior, Curriculum and Pedagogy Studies in Physical Education, Sport and Exercise Psychology, Sports Medicine, Applied Sport Psychology) outside the student's own concentration area. Credit requirements for the Breadth Requirement are listed in the footnote for the electives requirement of each option or concentration.

Thesis Option

Required: 36 credit hours

Code	Title	Credit Hours
Research Techniques Requirement (3 credits)		
HHS 625	Research Methods in the Health and Human Sciences	3

Research and Thesis (6 credits)

KIN 699	Thesis	6
Electives (27 credits)		
Select 27 credits in courses that constitute a specialized knowledge base relevant to student's academic interest and goals *		27
Total Credit Hours		36

* *With approval of the advisor. For those seeking a concentration in Applied Neuromechanics, Community Youth Sport Development, Curriculum and Pedagogy Studies in Physical Education, Exercise Physiology, or Sport and Exercise Psychology, the electives are designated in the concentration section. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.*

Coursework Only Option

Required: 36 credit hours

Code	Title	Credit Hours
Research Techniques Requirement (3 credits)		
KIN 601	Applying Research to Professional Practice	3
Integrative Experience (Capstone)		
Select one (3 credits) from the following: *		3
KIN 695	Independent Study	
KIN 713	Internship in Kinesiology	
KIN 714	Field Practicum in Kinesiology	
KIN 746	Practicum in Applied Sport and Exercise Psychology	
Electives (30 credits)		
Select 30 credits of coursework that constitutes a specialized knowledge base relevant to student's academic interests and goals **		30
Total Credit Hours		36

* *With approval of the advisor. If a course option is selected, the hours are included in electives.*

** *With approval of the advisor. For those seeking a concentration in Applied Sport Psychology, Community Youth Sport Development, Curriculum and Pedagogy Studies in Physical Education, Exercise Physiology, Motor Behavior, Sport and Exercise Psychology, or Sports Medicine, the specific course requirements are designated in the concentration section. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select elective courses up to 6 credits to satisfy the Breadth Requirement.*

Comprehensive Examination

The student's advisor and two other Graduate Faculty members, in consultation with the student, develop one comprehensive examination question that requires integration of various bodies of knowledge related to the student's course of study. The question should also be related to the student's particular professional focus. The student may use the full range of available scholarly resources including discussion with faculty in developing the answer. The completed answer must be submitted within six weeks after receiving the question. All three faculty members evaluate the questions using "pass" and "not pass" standards.

Thesis Option Concentrations

Applied Neuromechanics Concentration

In addition to the **Research Techniques Requirement** and **Research and Thesis** requirements listed under the Thesis Option above, students in the Applied Neuromechanics concentration must also complete the following requirements:

Code	Title	Credit Hours
Concentration Core (9 credits)		
Select 9 credits from the following:		9
KIN 643	Mechanical Analysis of Motor Skills	
KIN 702	Research Seminar in Applied Neuromechanics	
KIN 719	Muscular Aspects of Exercise Physiology	
KIN 729	Learning and Performance of Physical Skills	
KIN 730	Neural Aspects of Motor Control	
Concentration Electives (18 credits)		
Select 18 credits of elective coursework with approval of the advisor *		18
Total Credit Hours		27

* Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

Community Youth Sport Development Concentration

In addition to the **Research Techniques Requirement** and **Research and Thesis** requirements listed under the Thesis Option above, students in the Community and Youth Sport Development concentration must also complete the following requirements:

Code	Title	Credit Hours
Core Required Courses (8 credits)		
KIN 519	Mentoring in Community Youth Development Programs	2
KIN 520	Physical Activity Programs for Underserved Youth	3
KIN 521	Evaluation of Physical Activity Programs in Youth Development	3
Concentration Electives (19 credits)		
Select 19 credits of elective coursework with the approval of the advisor *		19
Total Credit Hours		27

* Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

Curriculum and Pedagogy Studies in Physical Education Concentration

In addition to the **Research Techniques Requirement** and **Research and Thesis** requirements listed under the Thesis Option above, students in the Curriculum and Pedagogy Studies in Physical Education concentration must also complete the following requirements:

Code	Title	Credit Hours
Core Required Course (3 credits)		
KIN 731	Curriculum Development in Kinesiology *	3
Concentration Core (6 credits)		
Select 6 credits from the following:		6
KIN 570	Development and Implementation of Fitness Programs	
KIN 656	Psycho-Social Aspects of Teaching Physical Education and Sport	
KIN 731	Curriculum Development in Kinesiology	
KIN 732	Analysis of Teaching and Learning	
KIN 735	Program Evaluation and Evidence-Based Practice in Physical Activity Programs	
Concentration Electives (18 credits)		
Select 18 credits of elective coursework with the approval of the advisor **		18
Total Credit Hours		27

* Core Grade Requirement for Curriculum and Pedagogy Studies in Physical Education M.S. students: Students must receive a B or better in KIN 731 Curriculum Development in Kinesiology to satisfy degree requirements. KIN 731 may be taken a maximum of 2 times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 731 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Curriculum and Pedagogy Studies in Physical Education. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.

** Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

Exercise Physiology Concentration

In addition to the **Research Techniques Requirement** and **Research and Thesis** requirements listed under the Thesis Option above, students in the Exercise Physiology concentration must also complete the following requirements:

Code	Title	Credit Hours
Core Required Course (3 credits)		
KIN 670	Physiology of Exercise *	3
Concentration Core (6 credits)		
Select 6 credits from the following:		6
KIN 570	Development and Implementation of Fitness Programs	
KIN 576	Nutrition and Physical Fitness	
KIN 579	Exercise and Older Adults	
KIN 667	Exercise Electrocardiography and Cardiopulmonary Medications	
KIN 668	Advanced Exercise Assessment	
KIN 669	Advanced Exercise Prescription	
KIN 675	Applied Human Work Physiology	
KIN 718	Cardiovascular Aspects of Exercise Physiology	
KIN 719	Muscular Aspects of Exercise Physiology	
KIN 724	Physical Activity and Health	

Concentration Electives (18 credits)

Select 18 credits of elective coursework with the approval of the advisor **	18
Total Credit Hours	27

* Students must receive a B or better in KIN 670 Physiology of Exercise to satisfy degree requirements. KIN 670 may be taken a maximum of 2 times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 670 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Exercise Physiology. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.

** Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

Sport and Exercise Psychology Concentration

In addition to the **Research Techniques Requirement** and **Research and Thesis** requirements listed under the Thesis Option above, students in the Sport and Exercise Psychology concentration must also complete the following requirements:

Code	Title	Credit Hours
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Core Required Course (3 credits)

KIN 644	Psychology of Sport and Exercise *	3
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Concentration Core (6 credits)

Select 6 credits from the following:	6
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KIN 635	
KIN 645	Exercise Psychology
KIN 695	Independent Study
KIN 724	Physical Activity and Health
KIN 743	Psychological Aspects of Sport Injury
KIN 744	Applied Sport Psychology
KIN 745	Seminar: Social Psychology and Physical Activity
KIN 746	Practicum in Applied Sport and Exercise Psychology
KIN 748	Advanced Topics in Sport Exercise and Psychology

Concentration Electives (18 credits)

Select 18 credits of elective coursework with the approval of the advisor **	18
Total Credit Hours	27

* Core Grade Requirement for Sport and Exercise Psychology M.S. students: Students must receive a B or better in KIN 644 Psychology of Sport and Exercise to satisfy degree requirements. KIN 644 may be taken a maximum of 2 times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 644 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Sport and Exercise Psychology. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.

** Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

Coursework Only Option Concentrations**Applied Sport Psychology Concentration**

In addition to the **Research Techniques Requirement**, KIN 601 Applying Research to Professional Practice, listed under the Coursework Only Option above, students in the Applied Sport Psychology concentration must also complete the following requirements:

Code	Title	Credit Hours
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Core Required Courses (15 credits)

KIN 644	Psychology of Sport and Exercise ¹	3
KIN 743	Psychological Aspects of Sport Injury	3
KIN 744	Applied Sport Psychology	3
CED 610	Helping Relationships	3
HHS 654	Ethics in Practice, Teaching, and Research	3

Electives (15 credits)

KIN 645	Exercise Psychology ²	3
or KIN 649	Principles of Physical Activity Behavior Change	
KIN 746	Practicum in Applied Sport and Exercise Psychology	6
Select an additional 6 credits of electives ³		6

Integrative Experience (Capstone) (3 credits)

KIN 746	Practicum in Applied Sport and Exercise Psychology	3
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Total Credit Hours	33
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¹ Core Grade Requirement for Applied Sport Psychology M.S. students: Students must receive a B or better in KIN 644 Psychology of Sport and Exercise to satisfy degree requirements. KIN 644 may be taken a maximum of two times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 644 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Sport and Exercise Psychology. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.

² In consultation with your advisor, select KIN 645 or KIN 649 to satisfy the AASP requirement for Psychological Foundations of Behavior (K7).

³ One elective course (3 credits) must be selected to satisfy the AASP requirement for Diversity and Culture (K8). Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select one elective course (3 credits) to satisfy the Breadth Requirement.

Non-Credit Professional Development Requirements

In addition to the 36 credits of coursework, students are required to attend weekly professional development meetings and the departmental colloquium during each of the fall and spring semesters in the program.

Community Youth Sport Development Concentration

In addition to the **Research Techniques Requirement**, KIN 601 Applying Research to Professional Practice, listed under the Coursework Only Option above, students in the Community Youth Sport Development concentration must also complete the following requirements:

Code	Title	Credit Hours
Core Required Courses (8 credits)		
KIN 519	Mentoring in Community Youth Development Programs	2
KIN 520	Physical Activity Programs for Underserved Youth	3
KIN 521	Evaluation of Physical Activity Programs in Youth Development	3
Concentration Core (12 credits)		
Select 12 credits from the following:		12
CED 610	Helping Relationships	
KIN 519	Mentoring in Community Youth Development Programs	
KIN 695	Independent Study	
PSC 520	Urban Political System	
PSC 612	Organizational Behavior and Leadership	
PSC 620	Urban and Regional Development Policy	
SOC 653	Social Control	
SWK 584	Social Services for Children	
TED 545	Human Diversity, Teaching, and Learning	
Concentration Electives (7-13 credits)		
Select 7-13 credits of elective coursework with the approval of the advisor		7-13
Integrative Experience (Capstone) (3-6 credits)		
Select one of the following:		3-6
KIN 622	Internship in Community Youth Sport Development Programs	
KIN 713	Internship in Kinesiology	
KIN 714	Field Practicum in Kinesiology	
Total Credit Hours		30-39

Curriculum and Pedagogy Studies in Physical Education Concentration

In addition to the **Research Techniques Requirement** and the **Integrative Experience (Capstone)** requirement listed under the Coursework Only Option above, students in the Curriculum and Pedagogy Studies in Physical Education concentration must also complete the following requirements:

Code	Title	Credit Hours
Core Requirement (3 credits)		
KIN 731	Curriculum Development in Kinesiology *	3
Concentration Core (12 credits)		
Select 12 credits from the following:		12
KIN 570	Development and Implementation of Fitness Programs	
KIN 656	Psycho-Social Aspects of Teaching Physical Education and Sport	
KIN 732	Analysis of Teaching and Learning	
KIN 735	Program Evaluation and Evidence-Based Practice in Physical Activity Programs	
Concentration Electives (15 credit hours)		

Select a minimum of 15 credits of elective coursework with the approval of the advisor **	15
Total Credit Hours	30

* *Core Grade Requirement for Curriculum and Pedagogy Studies in Physical Education M.S. students: Students must receive a B or better in KIN 731 Curriculum Development in Kinesiology to satisfy degree requirements. KIN 731 may be taken a maximum of 2 times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 731 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Curriculum and Pedagogy Studies in Physical Education. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.*

** *Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select up to two elective courses (6 credits) to satisfy the Breadth Requirement.*

Exercise Physiology Concentration

In addition to the **Research Techniques Requirement** and the **Integrative Experience (Capstone)** requirement listed under the Coursework Only Option above, students in the Exercise Physiology concentration must also complete the following requirements:

Code	Title	Credit Hours
Core Required Course (3 credits)		
KIN 670	Physiology of Exercise *	3
Concentration Core (12 credits)		
Select a minimum of 12 credits from the following:		12
KIN 570	Development and Implementation of Fitness Programs	
KIN 576	Nutrition and Physical Fitness	
KIN 579	Exercise and Older Adults	
KIN 667	Exercise Electrocardiography and Cardiopulmonary Medications	
KIN 668	Advanced Exercise Assessment	
KIN 669	Advanced Exercise Prescription	
KIN 675	Applied Human Work Physiology	
KIN 718	Cardiovascular Aspects of Exercise Physiology	
KIN 719	Muscular Aspects of Exercise Physiology	
KIN 724	Physical Activity and Health	
Concentration Electives (15 credits)		
Select 15 credits of elective coursework with the approval of the advisor **		15
Total Credit Hours		30

* *Students must receive a B or better in KIN 670 Physiology of Exercise to satisfy degree requirements. KIN 670 may be taken a maximum of 2 times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 670 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Exercise Physiology. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.*

****** Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select up to two elective courses (6 credits) to satisfy the Breadth Requirement.

Motor Behavior Concentration

In addition to the **Research Techniques Requirement** and the **Integrative Experience (Capstone)** requirement listed under the Coursework Only Option above, students in the Motor Behavior concentration must also complete the following requirements:

Code	Title	Credit Hours
Concentration Core (12 credits)		
Select 12 credits from the following:		12
KIN 643	Mechanical Analysis of Motor Skills	
KIN 695	Independent Study	
KIN 719	Muscular Aspects of Exercise Physiology	
KIN 729	Learning and Performance of Physical Skills	
KIN 730	Neural Aspects of Motor Control	
Concentration Electives (18 credits)		
Select 18 credits of elective coursework with the approval of the advisor *		18
Total Credit Hours		30

* Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select up to two elective courses (6 credits) to satisfy the Breadth Requirement.

Sport and Exercise Psychology Concentration

In addition to the **Research Techniques Requirement** and the **Integrative Experience (Capstone)** requirement listed under the Coursework Only Option above, students in the Sport and Exercise Psychology concentration must also complete the following requirements:

Code	Title	Credit Hours
Core Required Course (3 credits)		
KIN 644	Psychology of Sport and Exercise *	3
Concentration Core (6 credits)		
Select a minimum of 6 credits from the following:		6
KIN 635		
KIN 645	Exercise Psychology	
KIN 695	Independent Study	
KIN 724	Physical Activity and Health	
KIN 743	Psychological Aspects of Sport Injury	
KIN 744	Applied Sport Psychology	
KIN 745	Seminar: Social Psychology and Physical Activity	
KIN 746	Practicum in Applied Sport and Exercise Psychology	
KIN 748	Advanced Topics in Sport Exercise and Psychology	
Concentration Electives (21 credits)		
Select 21 credits of elective coursework with the approval of the advisor **		21
Total Credit Hours		30

* **Core Grade Requirement for Sport and Exercise Psychology M.S. students:** Students must receive a B or better in KIN 644 Psychology of Sport and Exercise to satisfy degree requirements. KIN 644 may be taken a maximum of 2 times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 644 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Sport and Exercise Psychology. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.

****** Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select up to two elective courses (6 credits) to satisfy the Breadth Requirement.

Sports Medicine Concentration

In addition to the **Research Techniques Requirement** and the **Integrative Experience (Capstone)** requirement listed under the Coursework Only Option above, students in the Sports Medicine concentration must also complete the following requirements:

Code	Title	Credit Hours
Concentration Core (12 credits)		
Select a minimum of 12 credits from the following:		12
KIN 576	Nutrition and Physical Fitness	
KIN 638	Theoretical Modalities	
KIN 640	Rehabilitation Techniques for Athletic Injuries	
KIN 643	Mechanical Analysis of Motor Skills	
KIN 670	Physiology of Exercise	
KIN 709	Mentored Teaching in Kinesiology	
KIN 720	Pathophysiology and Pharmacology	
KIN 725	Management and Professional Issues in Athletic Training	
KIN 730	Neural Aspects of Motor Control	
KIN 743	Psychological Aspects of Sport Injury	
Concentration Electives (18 credits)		
Select 18 credits of elective coursework with the approval of the advisor *		18
Total Credit Hours		30

* Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select up to two elective courses (6 credits) to satisfy the Breadth Requirement.

Kinesiology, M.S./Ph.D.

The combined M.S./Ph.D. track in Kinesiology consists of a minimum of 78 credit hours beyond the baccalaureate degree. It is anticipated that the Plan of Study for the M.S./Ph.D. Track will reasonably span 5 years. By the end of Year 2, students will enroll in a minimum of 6 credits of integrative/research related activity to meet the requirements of the M.S. degree if they choose not to continue on to completion of the Ph.D. degree. For those students already enrolled in the M.S. degree, it is expected their M.S. coursework will already include many of the foundational courses for their discipline. In this case, additional coursework in Years 3 and 4 will primarily consist of intensive research and dissertation credits. Specific coursework will be determined by the student's advisor and advisory committee, consistent with each sub-discipline. A general outline of requirements is below.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit supplementary application materials required by the department.

Exceptional students who have an appropriate baccalaureate degree and who demonstrate superior ability and a high level of motivation and dedication to research and learning are eligible to apply directly into the M.S./Ph.D. track. Current master's degree students in kinesiology who wish to pursue the Ph.D. may apply once they have completed at least 18 credits of foundational course work in their discipline, have demonstrated dedication to research, and have not yet formally proposed their thesis. Students must apply for admittance to the M.S./Ph.D. and must identify one of the possible concentration areas (Applied Neuromechanics, Exercise Physiology, Curriculum and Pedagogy Studies in Physical Education, Sport and Exercise Psychology, or Kinesiology.)

Degree Program Requirements

Required: 78 credit hours

Requirements

- Breadth Requirement (0-6 credits). Please see description under M.S. degree program requirements.
- Integrative experience (6 credits)
- Research methods (3 credits)
- Research tools and statistics (12 credits)
- Independent doctoral research (KIN 795 Independent Doctoral Research) or equivalent (minimum of 6 credits)
- Electives in major concentration area (33 credits)
- Dissertation (12 credits)

Items 1-3 plus 15-21 credits of electives are required to complete the M.S. degree. (See the requirements for the M.S. Thesis and Non-Thesis options.) Items 1-7 are required to complete the M.S./Ph.D. A minimum of 9 credits must be in courses numbered 750 and above.

Program Progression

Year One

18 credits of coursework, to include courses related to the research process

Benchmark: Preliminary screening (early/mid semester 2)

Year Two

18 credits of coursework, to include courses related to the research process

Benchmark: Oral and written demonstration of research competence (end of semester 2)

Years Three and Four

Completion of remaining coursework

Benchmark: Comprehensive examination (oral and written)

Year Five

12 credits of dissertation

Benchmark: Completion of and oral defense of dissertation

Required Benchmarks

Continued progression in the M.S./Ph.D. track is contingent on satisfactory progress through each year of study. Progress will be formally assessed each Spring as follows:

Year One

Preliminary Screening (Early/Mid Spring)

The preliminary screening will consist of a formal evaluation of the scholarly work completed from the time of admission through the completion of 18 credits of coursework (counting work in progress in a current term). This screening must occur during the second semester of study, so that a decision can be made prior to admission and graduate assistantship decisions for the upcoming Fall. An advisory committee consisting of a minimum of 3 members (the student's advisor, Director of Graduate Study, and at least one other) will conduct the first year preliminary screening review. The intent is to determine relatively early in students' academic careers whether or not they display the high quality of academic achievement necessary to pursue and successfully complete the doctoral degree. Excellent students will be encouraged to continue in the program. Students who do not meet the requirements will be strongly urged through counseling by their advisory/dissertation committee to complete the M.S. degree level and pursue other intellectual/career avenues.

In order to progress to Year 2, all members of the student's preliminary screening committee must review all criteria and confirm satisfactory progress in the preliminary evaluation.

Year Two

Research Competence (End of Spring Semester)

Students will be expected to be actively engaged in research from the beginning of their studies in Year 1. In Year 2, students will be expected to complete a comprehensive research project by the end of their second year of study. This project should encompass all aspects of the research process, including the following:

- Conception and design of the project
- Acquisition and reduction of the data
- Analysis and interpretation of the data
- Written summary of the work (e.g. Submission ready manuscript)
- Oral presentation of the work

To progress to Year 3, the student's M.S./Ph.D. advisory committee must approve the work.

Year Three

Comprehensive Examination

When the student has completed a minimum of three-quarters of the coursework (60 credits) contained in the program of study and completed the research skill requirements, they are then eligible to take the comprehensive examinations. Each doctoral student is required to pass the doctoral preliminary examinations which consist of both a written and oral examination, per the guidelines of The Graduate School and the Department of Kinesiology.

For more information, please visit <http://kin.wp.uncg.edu/graduate-2/graduate-prospective-overview/>.

Kinesiology, Ed.D.

The Ed.D. in Kinesiology is an interdisciplinary online degree program specifically for practicing professionals who have a minimum of three years professional experience in Kinesiology or related fields, and desire a

doctorate focused on scholarship and professional practice in leadership, advocacy and teaching. The Ed.D. in KIN online requires a minimum of 54 credit hours (42 credits of coursework and 12 credits of dissertation). Our aim is to bring together a community of scholars to develop action-oriented leaders in the field of Kinesiology.

Of the 54 credits of required coursework, a minimum of 24 credits must be completed in KIN, excluding dissertation hours.

In addition to the application materials required by The Graduate School, applicants must submit supplementary application materials required by the department and described in detail at <http://kin.wp.uncg.edu/graduate-2/requirements-and-guidelines-for-application-for-graduate-study/>.

Most applications are reviewed in the spring for fall admission. The application deadline to receive full consideration for admission is January 15; however, applications will be accepted through mid-April.

Degree Program Requirements

Required: 54 credit hours

Campus Visits

Students will make three required visits to campus as part of this program to foster a sense of community with their peers and the UNC Greensboro faculty, to familiarize them with the technology, to present their dissertation proposal, and to present their dissertation, while also fulfilling their residency requirement.

Required on-campus visits:

- Orientation (Summer prior to Year 1 coursework; 3 day)
- Dissertation proposal (Year 3 Spring; 3-5 day)
- Dissertation presentation (Year 4 Spring; 3 day)

Course Requirements

- Program Leadership in Kinesiology 6-9 credits
- Interdisciplinary Concepts 6-9 credits
- Research/Inquiry/Problem Solving 9 credits
- Coursework in Support of Dissertation 7 credits
- Practicum/Independent Study and Electives 8-14 credits
- Dissertation 12 credits

Code	Title	Credit Hours
Program Leadership in Kinesiology (6-9 credits)		
Select 6-9 credits minimum from the following: ¹		6-9
KIN 706	Online Pedagogy in Kinesiology and Related Professions	
KIN 715	Professional Ethics in Health and Human Sciences	
KIN 735	Program Evaluation and Evidence-Based Practice in Physical Activity Programs	
KIN 750	Seminar in Kinesiology ²	
KIN 762	Program Design in Kinesiology and Related Professions	
Interdisciplinary Concepts in Kinesiology (6-9 credits)		
Select 6-9 credits minimum from the following: ¹		6-9
KIN 724	Physical Activity and Health	
KIN 729	Learning and Performance of Physical Skills	
KIN 731	Curriculum Development in Kinesiology	

KIN 732	Analysis of Teaching and Learning	
KIN 745	Seminar: Social Psychology and Physical Activity	
Research/Inquiry/Problem-Solving (9 credits)		
Select at least 9 credits from the following: ¹		9
KIN 701	Research Topics in Kinesiology ²	
KIN 716	Mixed Methods in Kinesiology Research ²	
KIN 717	Qualitative Research Methods in Kinesiology	
KIN 723	Statistical Methods for Kinesiology ²	
Coursework in Support of Dissertation (7 credits) ¹		
KIN 751	Advanced Research Seminar in Kinesiology ²	3
KIN 778	Professional Seminar in Grant Writing ²	3
KIN 779	Dissertation Presentation Seminar ²	1
Practicum/Independent Study and Electives (8-14 credits)		
Select an additional 8-14 credits with at least 3 credits from the following: ³		8-14
KIN 695	Independent Study	
KIN 713	Internship in Kinesiology	
KIN 714	Field Practicum in Kinesiology	
KIN 722		
KIN 752	Advanced Professional Seminar in Kinesiology	
KIN 795	Independent Doctoral Research	
Dissertation (12 credits)		
KIN 799	Dissertation	12
Total Credit Hours		48-60

NOTE: All students must complete 54 credit hours for the Ed.D. in Kinesiology. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

¹ Other courses may be acceptable with advisor and committee approval.

² Required.

³ These courses may be from any of the above categories or other courses approved by the advisory committee.

Kinesiology, Ph.D.

The Ph.D. in Kinesiology requires a minimum of 60 credit hours. Some students are required to take additional hours beyond the minimum. Students may choose to take a general course of study in kinesiology or choose from four concentration areas: applied neuromechanics, exercise physiology, curriculum and pedagogy studies in physical education, and sport and exercise psychology. Students must complete a minimum of 24 credits in kinesiology, excluding dissertation hours.

In addition to the application materials required by The Graduate School, applicants must submit supplementary application materials required by the department.

Degree Program Requirements

Required: 60 credit hours

Code	Title	Credit Hours
Collateral Expertise		
The student is expected to work on research projects beyond those required in courses and to demonstrate to the faculty of the Department that progress in these endeavors is satisfactory		
Research Techniques (12 credits)		
With the approval of the Advisory Committee, select a minimum of 12 credits of course work focused on research techniques		
Dissertation (12 credits)		
KIN 799	Dissertation	12
Electives (36 credits)		
Select at least 36 credits *		
Total Credit Hours		60

* With the approval of the Advisory Committee, the student selects at least 36 credits of course work tailored to meet his/her particular academic goals. This should include course work in a specialized knowledge base and course work in other areas of kinesiology and/or other departments. For those seeking a concentration in applied neuromechanics, exercise physiology, curriculum and pedagogy studies in physical education, or sport and exercise psychology the 36 credits are designated in the concentration sections.

Residency

The Department does not recognize summer session as part of the residency requirement for Ph.D. students. Two consecutive 15-week semesters of study in which a student is enrolled for a minimum of 6 credits of course work each term is needed to satisfy the residency requirement. Course work taken in summer sessions may, of course, be included in a student's program.

Formal Reviews and Examinations

The student must pass each of the reviews and examinations listed below. See this catalog and the KIN Graduate web site for details.

- Approval of Plan of Study
- Preliminary examination
- Dissertation proposal approval
- Advancement to candidacy
- Final oral examination

Concentrations

Applied Neuromechanics Concentration

Code	Title	Credit Hours
Concentration Core (24 credits)		
KIN 643	Mechanical Analysis of Motor Skills	3
KIN 702	Research Seminar in Applied Neuromechanics	1
KIN 708 (COURSE INACTIVE)		1
KIN 709	Mentored Teaching in Kinesiology	1-3
KIN 719	Muscular Aspects of Exercise Physiology	3
KIN 730	Neural Aspects of Motor Control	3
KIN 795	Independent Doctoral Research	1-6
KIN 798	Doctoral Seminar in Grant Writing	3
Concentration Electives (12 credits)		

Select a minimum of 12 credits of course work in other areas of Kinesiology with approval of the Advisory Committee	12
Total Credit Hours	28-35

Curriculum and Pedagogy Studies in Physical Education Concentration

Code	Title	Credit Hours
Concentration Core (18 credits)		
Select 18 credits from the following:		18
KIN 570	Development and Implementation of Fitness Programs	
KIN 656	Psycho-Social Aspects of Teaching Physical Education and Sport	
KIN 735	Program Evaluation and Evidence-Based Practice in Physical Activity Programs	
KIN 731	Curriculum Development in Kinesiology	
KIN 732	Analysis of Teaching and Learning	
KIN 749		
KIN 785		
Concentration Electives (18 credits)		
Select 18 credits of 600- to 700-level electives *		18
Total Credit Hours		36

* With approval of the Advisory Committee, select course work that complements the specialized knowledge base relevant to the student's academic interest and career goals.

Exercise Physiology Concentration

Code	Title	Credit Hours
Concentration Core (9 credits)		
KIN 670	Physiology of Exercise	3
KIN 718	Cardiovascular Aspects of Exercise Physiology	3
KIN 719	Muscular Aspects of Exercise Physiology	3
Concentration Electives (12 credits)		
Select 12 credits from the following:		12
KIN 576	Nutrition and Physical Fitness	
KIN 667	Exercise Electrocardiography and Cardiopulmonary Medications	
KIN 668	Advanced Exercise Assessment	
KIN 669	Advanced Exercise Prescription	
KIN 675	Applied Human Work Physiology	
KIN 701	Research Topics in Kinesiology	
KIN 724	Physical Activity and Health	
Required Research Prior to Dissertation (6 credits)		
Select a minimum of 6 credits from the following:		6
KIN 695	Independent Study	
KIN 795	Independent Doctoral Research	
Additional Electives (9 credits)		
Select a minimum of 9 credits of course work in other areas of Kinesiology with approval of the Advisory Committee		9
Total Credit Hours		36

Sport and Exercise Psychology Concentration

Code	Title	Credit Hours
Concentration Core (9 credits)		
Select 9 credits from the following: *		9
KIN 644	Psychology of Sport and Exercise	
KIN 645	Exercise Psychology	
KIN 695	Independent Study	
KIN 724	Physical Activity and Health	
KIN 743	Psychological Aspects of Sport Injury	
KIN 744	Applied Sport Psychology	
KIN 745	Seminar: Social Psychology and Physical Activity	
KIN 746	Practicum in Applied Sport and Exercise Psychology	
KIN 748	Advanced Topics in Sport Exercise and Psychology	
KIN 795	Independent Doctoral Research	
Concentration Electives (27 credits)		
Select a minimum of 27 credits of elective course work with approval of the Advisory Committee		27
Total Credit Hours		36

* *Specialization area courses relate to the student's research focus and sport/exercise psychology interests. Course work should include advanced sport/exercise psychology courses (e.g. KIN 744 Applied Sport Psychology, KIN 745 Seminar: Social Psychology and Physical Activity, advanced topics).*

Nutrition

School of Health and Human Sciences

318 Stone Building
336-334-5313
<http://hhs.uncg.edu/wordpress/ntr>

Ron F. Morrison, Chair of Department

Lauren A. Haldeman, Associate Chair and Director of Undergraduate Studies

Jigna M. Dharod, Director of Graduate Studies

About

The Department of Nutrition offers course instruction, research experience, and fieldwork opportunities. The curriculum is designed to train students in the three areas of focus listed below.

- **Human Nutrition and Dietetics** —develops and educates students to work as agricultural extension agents; dietitians in hospitals, long-term care facilities and public health programs; nutrition education specialists; sports nutrition; consultants and entrepreneurs. The Human Nutrition and Dietetics concentration is the Didactic Program in Dietetics and meets the academic requirements of the Academy of Nutrition and Dietetics (AND). Students completing this concentration meet academic requirements to be eligible to apply to a dietetic internship or preprofessional practice program. The Didactic Program of Dietetics is currently granted approval status by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND).
- **Nutrition Science** —prepares students for entry into medical, dental, chiropractic or graduate school; trains students for research and

development in the biomedical, biotechnical, and pharmaceutical industries.

- **Nutrition and Wellness** —provides instruction and experience in the basic nutritional sciences, community nutrition, public health education, and kinesiology, enabling graduates to work in a variety of settings such as voluntary and community health organizations, health care, government, education, and the fitness industry. This concentration also prepares students for graduate training in nutrition, public health education, and kinesiology.

Graduate Study

The Department of Nutrition graduate programs leading to the Master of Science (M.S.) and the Doctor of Philosophy (Ph.D.) degrees in nutrition both offer specializations in community nutrition and nutrition education, human/clinical nutrition, and cellular and molecular nutrition. Background courses in general chemistry, organic chemistry, biochemistry, mammalian physiology, and general nutrition are required for all degree programs. Upon entry, a Plan of Study is developed by students and their advisors or Advisory Committees to develop strengths in the area of interest the student has chosen.

Accreditation

The accreditation agency of the Academy of Nutrition and Dietetics is the Accreditation Council for Education in Nutrition and Dietetics (ACEND). ACEND is recognized by the US Department of Education as a Title IV Gatekeeper. This recognition affirms that ACEND meets national standards and is a reliable authority on the quality of nutrition and dietetics education programs. ACEND is also a member of the Association of Specialized and Professional Accreditors (ASPA) and abides by its code of good practice.

Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND)

120 S. Riverside Plaza, Suite 2000
Chicago, IL 60606
312/899-0040

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Laurie Helen Allen^G

Amy Smith Moyer

Lecturer

Kelly J Pierson

G Graduate-level faculty

- Nutrition, B.S. (p. 593)
- Nutrition Undergraduate Minor (p. 595)
- Nutrition, M.S. (p. 595)
- Nutrition, Ph.D. (p. 596)
- Dietetic Internship, Post-Baccalaureate Certificate (p. 597)
- Didactic Program in Nutrition and Dietetics, Post-Baccalaureate Certificate (Admission Suspended) (p. 598)

Nutrition Disciplinary Honors

Requirements

- A minimum of 12 credit hours as detailed below.
- A grade of A or B in all course work used to satisfy the Honors requirements in Nutrition with at least a 3.50 overall GPA at graduation.

Code	Title	Credit Hours
Required		6
NTR 493	Honors Work *	
Select 6 credits of any 400-level honors contracted NTR course		6

* Taken for 3 credits during fall semester of senior year and 3 credits during spring semester of senior year.

Recognition

Receive a Certificate of Disciplinary Honors in Nutrition; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Lauren Haldeman at lahaldem@uncg.edu for further information and guidance about Honors in Nutrition. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Nutrition, B.S.

Criteria for Progression in the Major

New first year and transfer students are required to have a minimum 2.50 cumulative GPA to be admitted to the B.S. in Nutrition. Additionally, all continuing students must maintain a cumulative GPA of at least 2.50 throughout the completion of the Nutrition major. Students that change their Nutrition major or concentration during the academic year will be held to the minimum 2.50 GPA requirement. If the GPA drops below 2.50, students will be contacted in writing by the Undergraduate Program Director indicating that they have dropped below the threshold and will have one semester to increase the cumulative GPA to at least 2.50. If this does not happen, the student will be dropped from the Nutrition major the following semester. Notifications to students will be made at the beginning of each fall and spring semester.

A student must earn a grade of C (a C- is not acceptable) or better in all required NTR and related area courses to graduate in each of the three concentrations offered by the department. Furthermore, students must earn a C or better in prerequisite courses to enroll in specific upper-level courses (see course listings). A student may not receive credit for any NTR course by special examination.

No NTR course or related area course for which a grade of C (a C- is not acceptable) or better is required for the major may be taken more than twice. Students who receive a grade below C, which includes a C-, twice in the same NTR course or related area course for which a grade of C or better is required for the major will be dropped from the major.

Suggested Academic Workload Guidelines

The faculty of the Department of Nutrition recognizes that many of its students must hold jobs to support college expenses. The faculty wishes to emphasize that academic excellence and scholastic achievement usually require a significant investment of time in study and out-of-class projects. To provide guidance to students in planning their academic and work schedules, the faculty have endorsed the following recommendations:

1. In general, students should plan to devote between 2–3 hours outside of class for each hour spent in class. Thus, students with a 15 credit hour course load should schedule between 30–45 hours weekly for completing outside-of-class reading, study, and homework assignments.
2. Students who are employed more than 5–10 credits each week should consider reducing their course loads (semester hours), depending upon their study habits, learning abilities, and course work requirements.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Students must earn grades of C (2.0) or better in all major and related area required courses.

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Human Nutrition and Dietetics
- Nutrition and Wellness
- Nutrition Science

Electives

Electives sufficient to complete total 120 credit hours required for degree.

Human Nutrition and Dietetics Concentration Requirements

(and Didactic Program in Dietetics)

Code	Title	Credit Hours
Required		
NTR 103	Introduction to Food Science	
NTR 203	Basic Quantitative Principles in Food and Nutrition	
NTR 213	Introductory Nutrition	
NTR 282	Introduction to Dietetics	
NTR 302	Nutrition Education and Application Processes	
NTR 309	Quantity Food Procurement and Production	
NTR 313	Nutrition Throughout the Life Cycle	
NTR 403	Food Science and Technology	
NTR 413	Intermediate Nutrition	
NTR 421	International Nutrition and Cultural Foods	
NTR 423	Community Nutrition	
NTR 426	Management Practices for Dietetics	
NTR 431	Nutrition and Human Metabolism	
NTR 450	Nutrition Assessment	
NTR 460	Advanced Nutrition	
NTR 473	Medical Nutrition Therapy	
NTR 482	Professionalism in Dietetics	
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory [†]	
BIO 271	Human Anatomy	
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	
BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory	
CED 310	Helping Skills	
CHE 103	General Descriptive Chemistry I [†]	
CHE 104	General Descriptive Chemistry II	
CHE 110	Introductory Chemistry Laboratory	
CHE 205	Introductory Organic Chemistry	
CHE 206	Introductory Organic Chemistry Laboratory	
ENG 101	College Writing I ^{††}	
MAT 115	College Algebra ^{†††}	
PSY 121	General Psychology ^{††††}	
STA 108	Elementary Introduction to Probability and Statistics ^{†††}	

[†] Counts toward GEC GNS requirement.

^{††} Counts toward GEC GRD requirement.

^{†††} Counts toward GEC GMT requirement.

^{††††} Counts toward GEC GSB requirement.

Nutrition and Wellness Concentration Requirements

Code	Title	Credit Hours
Required		
NTR 103	Introduction to Food Science	
NTR 203	Basic Quantitative Principles in Food and Nutrition	

NTR 213	Introductory Nutrition
NTR 302	Nutrition Education and Application Processes
NTR 313	Nutrition Throughout the Life Cycle
NTR 403	Food Science and Technology
NTR 413	Intermediate Nutrition
NTR 421	International Nutrition and Cultural Foods
NTR 423	Community Nutrition
NTR 476	Sports Nutrition
NTR 450	Nutrition Assessment

Public Health Education Course

HEA 201	Personal Health
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Kinesiology Courses

KIN 220	Lifetime Wellness
KIN 375	Physiology of Sport and Physical Activity
KIN 376	Biomechanics of Sport and Physical Activity

Natural Sciences Courses

BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory
CHE 104	General Descriptive Chemistry II
CHE 110	Introductory Chemistry Laboratory

Counseling and Education Course

CED 310	Helping Skills
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Mathematics Course

MAT 115	College Algebra ^{*†}
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Selected Electives

Select four of the following: ^{**}

CTR 102	Creating a Meaningful Life
HEA 307	Global Health
ELC 201	Introduction to Community Leadership
HEA 310	Mental Health and Well-Being
HEA 315	Epidemiology
HEA 316	Environmental Health
HEA 450	Current Health Problems
HEA 471	Immigrant and Refugee Health
HDF 211	Human Development Across the Life Span
KIN 230	Psychological Skills for Optimal Performance
KIN 420	Physical Activity Programs for Underserved Youth

Additional Requirements

BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory ^{††}
CHE 103	General Descriptive Chemistry I ^{††}
CST 105	Introduction to Communication Studies
ENG 101	College Writing I ^{†††}
PSY 121	General Psychology ^{††††}
STA 108	Elementary Introduction to Probability and Statistics [†]

^{*} Completion of the course listed or pass placement exam.

^{**} Two must have an HEA prefix.

[†] Counts toward GEC GMT requirement.

^{††} Counts toward GEC GNS requirement.

††† Counts toward GEC GRD requirement.

†††† Counts toward GEC GSB requirement.

Nutrition Science Concentration Requirements

Code	Title	Credit Hours
Required		
NTR 213	Introductory Nutrition	
NTR 302	Nutrition Education and Application Processes	
NTR 313	Nutrition Throughout the Life Cycle	
NTR 413	Intermediate Nutrition	
NTR 431	Nutrition and Human Metabolism	
NTR 450	Nutrition Assessment	
NTR 460	Advanced Nutrition	
NTR 473	Medical Nutrition Therapy	
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory [†]	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	
BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory	
BIO 355 & BIO 356	Cell Biology and	
BIO 392	Genetics	
CHE 111	General Chemistry I	
CHE 112	General Chemistry I Laboratory	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
CHE 205	Introductory Organic Chemistry	
CHE 206	Introductory Organic Chemistry Laboratory	
ENG 101	College Writing I ^{††}	
MAT 115	College Algebra ^{†††}	
STA 108	Elementary Introduction to Probability and Statistics ^{†††}	

[†] Counts toward GEC GNS requirement.

^{††} Counts toward GEC GRD requirement.

^{†††} Counts toward GEC GMT requirement.

Nutrition Undergraduate Minor Program Requirements

- Minimum of 15 credit hours

A student must earn a grade of C (2.0) or better in all required courses.

Code	Title	Credit Hours
<i>Required</i>		
NTR 103	Introduction to Food Science	
NTR 213	Introductory Nutrition	
<i>Select three of the following:</i>		
NTR 313	Nutrition Throughout the Life Cycle	

NTR 413	Intermediate Nutrition
NTR 421	International Nutrition and Cultural Foods
NTR 431	Nutrition and Human Metabolism
NTR 450	Nutrition Assessment
NTR 460	Advanced Nutrition
NTR 473	Medical Nutrition Therapy
NTR 476	Sports Nutrition

Nutrition, M.S.

The M.S. in Nutrition offers a thesis option (37 credit hours minimum) and a non-thesis option (40 credit hours minimum). The thesis option is research-based and designed to prepare students for research, administration and practitioner positions in nutrition, or for progression to the Ph.D. program. A written thesis is required for graduation. The non-thesis option is designed to prepare students for consulting, administrative, and practitioner positions in nutrition. A comprehensive examination must be passed. The registered dietitian (RD) credential must be obtained for a career in dietetics.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a letter of intent that includes research and professional objectives and that identifies faculty with research interests most central to student research and career interests.

Prerequisites for admission to the graduate program in nutrition include: 2-3 semesters of biology (general biology with lab, human physiology) and 3-4 semesters of chemistry (inorganic chemistry with lab, organic chemistry with lab, biochemistry).

Degree Program Requirements

Required: 37-40 credit hours

Thesis Option

Required: 37 credit hours minimum

At least 26 credits must be in 600-level courses. The minimum requirements include:

Code	Title	Credit Hours
Required Core (15 credits minimum)		
NTR 609 (COURSE INACTIVE) ¹		4
NTR 625	Gene Expression and Protein Metabolism	2
NTR 626	Energy, Carbohydrate, Lipid Metabolism	2
NTR 627	Antioxidants and Bioactive Food Components	2
NTR 628	Vitamins and Minerals	2
Select one course (3 credits) from the following:		3
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	
ERM 680	Intermediate Statistical Methods in Education	
HEA 604	Quantitative Methods	
Research Techniques (9 credits minimum)		
NTR 673	Nutrition Research Methodology	3
Select 6 credits from the following:		6
NTR 601	Directed Study in Nutrition	

NTR 623	Current Trends in Nutrition	
NTR 653	Problems in Food and Nutrition	
NTR 670	Research Skill Development	

Electives (7 credits minimum)

Select one 3-credit course from other NTR courses at the 500- or 600-level² 3

Select at least 4 credits from other 500- or 600-level courses in NTR or other graduate-level courses³ 4

Thesis (Capstone Experience) (6 credits)

NTR 699	Thesis	6
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Total Credit Hours 37

¹ Four (4) credits total in NTR 609 are required.

² With approval of the Graduate Advisory Committee.

³ As approved by the student's thesis committee.

Non-Thesis Option

Required: 40 credit hours minimum

At least 26 credits must be in 600-level courses. The minimum requirements include:

Code	Title	Credit Hours
Required Core (14 credits)		
NTR 609 (COURSE INACTIVE) *		3
NTR 625	Gene Expression and Protein Metabolism	2
NTR 626	Energy, Carbohydrate, Lipid Metabolism	2
NTR 627	Antioxidants and Bioactive Food Components	2
NTR 628	Vitamins and Minerals	2
Select one course (3 credits) from the following:		3
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	
ERM 680	Intermediate Statistical Methods in Education	
HEA 604	Quantitative Methods	
Research Techniques (6 credits minimum)		
NTR 673	Nutrition Research Methodology	3
Select at least 3 credits from the following:		3
NTR 601	Directed Study in Nutrition	
NTR 623	Current Trends in Nutrition	
NTR 653	Problems in Food and Nutrition	
NTR 670	Research Skill Development	
Electives (20 credits minimum)		
Select at least 20 credits of electives as outlined below		20
Total Credit Hours		40

* Three (3) credits total in NTR 609 are required.

Electives (20 credits minimum)

Select at least 20 credits from other 500-or 600-level courses in NTR or other graduate-level courses as approved by the Graduate Advisory Committee. 15 elective credits will come from the DI course requirements for those students who are completing the Dietetic Internship requirements as part of their graduate program of study.

Comprehensive Examination

The written examination is offered at specific times each year. Please consult with the Director of Graduate Study for the exam date.

Nutrition, Ph.D.

The Ph.D. in Nutrition requires a minimum of 63 credit hours. The focus of the doctoral program is the development of critical thinking, problem solving, communication, and organizational skills and the application of these skills to a nutrition-related research problem. The research goal of the department is to optimize human health. This is done through a wide variety of research approaches. Program strengths include nutritional assessment and intervention, nutritional biochemistry, molecular roles of nutrients, nutrition and disease, community nutrition, nutrition education, and life-span nutrition. Graduates of the doctoral program are prepared for careers in research, teaching at the college or university level, consulting, and management.

At least 75% of all coursework, exclusive of dissertation credits, must be at the 600 or 700 level. Students entering the Ph.D. program with a Master of Science degree may be granted a waiver for some requirements if they have successfully completed equivalent coursework. This decision will be made after evaluation by the student's major advisor and the doctoral Advisory/Dissertation Committee.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a letter of intent that includes research and professional objectives and that identifies faculty with research interests most central to student research and career interests.

While the Ph.D. program primarily admits students with a Master's degree, the graduate committee will consider baccalaureate students with exceptional academic and undergraduate research experiences.

Degree Program Requirements

Required: 63 credit hours

Code	Title	Credit Hours
Required Core Courses (16 credits)		
NTR 609 (COURSE INACTIVE) *		8
NTR 625	Gene Expression and Protein Metabolism	2
NTR 626	Energy, Carbohydrate, Lipid Metabolism	2
NTR 627	Antioxidants and Bioactive Food Components	2
NTR 628	Vitamins and Minerals	2
Research Techniques (21 credits minimum)		
NTR 673	Nutrition Research Methodology	3
Select a minimum of one statistics course (3-4 credits) **		3-4
Select two or three additional courses for developing technical competency to enhance research skills and competitiveness (8 credits minimum) **		8
Select at least 6 credits in one or more of the following:		6
NTR 601	Directed Study in Nutrition	
NTR 623	Current Trends in Nutrition	
NTR 653	Problems in Food and Nutrition	
NTR 670	Research Skill Development	
Electives (8 credits minimum)		

Select 6 credits from other NTR courses at the 500-700 level *	6
Select 2 credits minimum in NTR or a supporting program at the 500-700 level *	2
Research and Dissertation (18 credits)	
Select a minimum of 18 credits from the following:	18
NTR 790 Doctoral Research	
NTR 799 Dissertation Problem	
Total Credit Hours	62-63

NOTE: All students must complete 63 credit hours for the Ph.D. in Nutrition. The range of total credit hours that appears in the course list above reflects only a minimum-maximum sum of the credits listed for the program requirements.

* Eight (8) credits total in NTR 609 (COURSE INACTIVE) are required.

** With approval of the Advisory/Dissertation Committee.

Comprehensive Examination

The student will consult with his/her Advisory/Dissertation Committee about the specific format of the written and oral sections of this examination.

For Students Who Completed their M.S. at UNC Greensboro

Students who have completed their M.S. degree in the Department of Nutrition at UNC Greensboro will have already completed the majority of the Required Core Courses, Nutrition Research Methodology, and at least one statistics course. Therefore, their program of study will include primarily Research Techniques credits and Research and Dissertation credit hours. Credit received for courses taken as part of the M.S. degree cannot be counted towards the Ph.D. degree. The majority of credit hours must be at the 600-700 level. Their minimum course work is shown below.

Code	Title	Credit Hours
Required Core Courses (6 credits)		
NTR 609 (COURSE INACTIVE)		6
Research Techniques (14 credits)		
Select a minimum of 14 credits from the following:		14
NTR 601	Directed Study in Nutrition	
NTR 623	Current Trends in Nutrition	
NTR 653	Problems in Food and Nutrition	
NTR 670	Research Skill Development	
Statistics courses		
Electives (8 credits)		
Select 6 credits from other NTR courses at the 500-700 level *		6
Select 2 credits minimum in NTR or a supporting program at the 500-700 level *		2
Research and Dissertation (18 credits)		
Select a minimum of 18 credits from the following:		18
NTR 790	Doctoral Research	
NTR 799	Dissertation Problem	
Total Credit Hours		46

* With the approval of the Advisory/Dissertation Committee.

Dietetic Internship, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Dietetic Internship requires 15 credit hours. Courses fulfilling the certificate program may be used to meet the requirements in a degree program in accordance with the policies of The Graduate School.

The Dietetic Internship at UNC Greensboro is currently granted accreditation by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). ACEND is a specialized accrediting body of the Academy of Nutrition and Dietetics with oversight by the United States Department of Education.

ACEND
120 South Riverside Plaza
Suite 2000
Chicago, IL 60606-6995
(800) 877-0877, ext. 5400

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The certificate program for the Dietetic Internship is designed for students with a bachelor's degree from an accredited college or university who have completed the Didactic Program in Dietetics, as required by The Academy of Nutrition and Dietetics, and wish to become eligible to take the national registration examination to become a registered dietitian (RD). To be eligible for the Dietetics Internship, completion of the undergraduate program must be within five years of application to the internship.

Varied work experiences in dietetics and/or food service management are preferred. The selection process is very competitive. Due to the limited number of placements that can be made for a given year, not all applicants who meet the minimum requirements may be selected.

A separate application to the DI program is required and students must apply to such programs following the American Dietetic Association's computer matching application process. After selection into the program at UNC Greensboro, students must then submit an application to The Graduate School as well as all required application materials. In addition to these materials, applicants must provide an ADA Verification Form from their undergraduate institution and a personal essay stating their interests and experience in dietetics.

A limited number of positions in the DI program are set aside for graduate students who wish to complete both the graduate degree and DI program. Students who are eligible for these positions must complete the application form but do not have to participate in the computer matching process. Students interested in this option must contact the Director of the Dietetic Internship at UNC Greensboro for more information.

Certificate Program Requirements

Required: 15 credit hours

Code	Title	Credit Hours
Required Courses (15 credits)		
NTR 602	Supervised Preparation for Professional and Community Engagement	3

NTR 693	Supervised Preparation for Practicum in Clinical Dietetics	3
NTR 606A	Practicum in Clinical Dietetics *	3-6
NTR 606B	Practicum in Clinical Dietetics *	3-6
NTR 606C	Practicum in Clinical Dietetics *	3-6
Total Credit Hours		15-24

* NTR 602 Supervised Preparation for Professional and Community Engagement and NTR 693 Supervised Preparation for Practicum in Clinical Dietetics *must be completed with a grade of B or better prior to enrollment in these courses.*

Additional Information

Students will receive a certificate from The Graduate School upon completion of the required course of study and are eligible to take the national certification examination for the credential of Registered Dietitian.

Didactic Program in Nutrition and Dietetics, Post-Baccalaureate Certificate (Admission Suspended)

The PBC Didactic Program in Nutrition and Dietetics is currently not accepting applications for admission.

The Didactic Program in Nutrition and Dietetics Post Baccalaureate Program provides an opportunity for students who have received a Bachelor's degree from a nationally accredited university to earn a Didactic Program Verification Statement. The Didactic Program Verification Statement ensures that a student has obtained and demonstrated the fundamental core knowledge requirements and skills required by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) to apply to an accredited Dietetic Internship.

Successful completion of the prerequisite and co-requisite courses along with the 14 credit hours of core courses in the Didactic Program in Nutrition and Dietetics Post Baccalaureate Program cover the core knowledge requirements to obtain a Didactic Program Verification Statement. Completion of this program does not guarantee placement in an accredited Dietetic Internship.

Certificate Program Requirements

Required: 14 credit hours

Code	Title	Credit Hours
Core Courses (14 credits)		
CED 610	Helping Relationships	3
NTR 560	Advanced Nutrition	4
NTR 607	Nutrition Education	3
NTR 573	Medical Nutrition Therapy	4
Total Credit Hours		14

Peace and Conflict Studies

School of Health and Human Sciences

1510 Walker Ave., 4th Floor
336-334-4781

<http://pacs.uncg.edu>

Melissa Floyd-Pickard, *Interim Department Chair*
Ali Askerov, *Director of Graduate Study*
Jeremy Rinker, *Director of Undergraduate Study*

About

The Department of Peace and Conflict Studies takes a dynamic and interdisciplinary approach to the study of peace and the practice of conflict management, resolution, and transformation. Undergraduates in this field of study will gain an understanding of peace science and peace scholarship while actively engaged in their communities proactively transforming conflict.

Online Options Undergraduate

Students may complete a PCS major or minor completely online. The curriculum is identical in content and focus with the residential program; courses are usually offered simultaneously in residential and online formats. For more information, visit <http://pacs.uncg.edu>.

Graduate

Both the certificate program and the master's program are available online; all web-based courses run parallel to residential courses on campus and the curriculum is identical. Online classes are conducted asynchronously via web connection. Lectures, discussions, assignments, supplementary materials, feedback, and assessments are accessed online. See the program website for more information.

Professor

Douglas P Fry

Associate Professor

Ali Bahsali Askarov^G
Emily M. Janke^G

Academic Professional Associate Professor

Genevieve Souillac

Assistant Professor

Marcia R Hale
Jeremy A. Rinker^G

Academic Professional Assistant Professor

Joseph William Cole
Omari Lee Dyson

Lecturer

Charles A. Egerton
Elizabeth Lackey^G
Rebecca Susan McGuire^G
Barbara Timmons Strahl^G

^G Graduate-level faculty

- Peace and Conflict Studies, B.A. (p. 599)
- Peace and Conflict Studies Undergraduate Minor (p. 599)
- Peace and Conflict Studies, M.A. (p. 600)
- Peace and Conflict Studies, Post-Baccalaureate Certificate (p. 600)
- Security and Governance, Post-Baccalaureate Certificate (Pending Discontinuation) (p. 601)

Disciplinary Honors in Peace and Conflict Studies

Requirements

- A minimum of 12 credit hours as defined below.
- Overall GPA of 3.5 or higher at graduation.

Code	Title	Credit Hours
Required		12
PCS 309	Conflict and Culture	
PCS 311	Conflict Research	
HSS 490	Senior Honors Project	
400-level PCS course		

Recognition

Receive a Certificate of Disciplinary Honors in Peace and Conflict Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Jeremy Rinker at jarinker@uncg.edu or 336-334-4781 for further information and guidance about Honors in Peace and Conflict Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Peace and Conflict Studies, B.A.

Overall Requirements

- 120 credit hours, and at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Required		
PCS 205	Violence in the Modern World	
PCS 305	Foundations of Peace and Conflict Studies	
PCS 308	Working through Interpersonal Conflicts	
PCS 309	Conflict and Culture	
PCS 311	Conflict Research	
PCS 315	Conflict Transformation	
PCS 318	Managing Conflict in Professional Contexts	
PCS 415	Global Peacebuilding	
PCS 416	Practicum I	
PCS 420	Senior Seminar	
<i>Select an additional 6 credits from the following list of cognate courses:</i>		
PHI 115	Critical Thinking	

PHI 121	Contemporary Moral Problems
PHI 222	Ethics in the Computer Age
PHI 331	Social and Political Philosophy
PSC 105	Exploring Political Issues
PSC 440	Nonprofit Management and Leadership
ATY 213	Introduction to Cultural Anthropology
SOC 201	Social Problems
SOC 429	Collective Violence and Nonviolence in Global Perspective
REL 101	Introduction to Religious Studies
BLS 383	Religious Resistance to Political Power
BLS 386	Women, War, and Terror
PCS 405	Localizing Peace
PCS 406	Environmental Justice: Interdisciplinary Response for Sustainability
PCS 418	Peacebuilding Challenges in a Complex World
PCS 433	Restorative Justice: Theory and Models
PCS 440	Social Entrepreneurship: Justice and a Green Environment
PCS 456	Sports, Conflict, and Peacebuilding
PCS 479	Gender and Peacebuilding

Electives

Electives sufficient to complete 120 total credit hours required for the degree.

Peace and Conflict Studies Undergraduate Minor

Students, in consultation with a Peace and Conflict Studies advisor, plan a minor that fits their professional and educational goals from the course options below.

Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
<i>Select a minimum of 15 credits of the following: *</i>		
PCS 205	Violence in the Modern World	
PCS 305	Foundations of Peace and Conflict Studies	
PCS 308	Working through Interpersonal Conflicts	
PCS 309	Conflict and Culture	
PCS 311	Conflict Research	
PCS 315	Conflict Transformation	
PCS 318	Managing Conflict in Professional Contexts	
PCS 415	Global Peacebuilding	
PCS 416	Practicum I	
PCS 420	Senior Seminar	

* Or 400-level PCS electives.

Peace and Conflict Studies, M.A.

The M.A. in Peace and Conflict Studies is dedicated to providing high quality, professional training in multiple conflict intervention and prevention skills such as mediation, negotiation, facilitation, restorative practices, violence prevention, and collaborative problem solving. Students engage in community-based learning through a variety of courses to build practice, intervention, and research skills. The program focuses on pragmatic approaches to solving personal and social problems in a variety of social settings. Students are exposed to an array of techniques and strategies to achieve nonviolent solutions to conflict that arises in diverse family, organizational and community environments.

The program promotes a systemic and critical perspective to the challenges facing individuals, families, organizations and communities in both a global and local analytical and practical perspective. With an interdisciplinary commitment to social justice and human rights, we train professionals to seek collaborative, constructive and conciliatory methods for resolving human conflict. Our goal is to mold reflective conflict professionals—practitioners with a critical understanding of theory, research and a range of methods, local and global perspectives, and an appreciation of diversity, peace development and social justice.

The M.A. in Peace and Conflict Studies requires completion of 33 credit hours and is built on a comprehensive core curriculum of eight academic courses and seminars. Flexible course schedules in the evenings and summer allow students of all ages, challenges, job requirements, technology, and delivery needs to participate in the learning process.

Concentrations

The program offers two concentrations which students may choose to focus their research, theory, and practice areas. The areas are Conflict Management and International Peace Development. Students must choose three courses from the corresponding concentration list to complete the nine credits.

Online Master's Degree

The master's program is available completely online and is identical in content and focus with the residential program; courses are usually offered simultaneously in residential and online formats. For more information, visit <http://pacs.uncg.edu> or email for information at conflictstudies@uncg.edu.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application material required by The Graduate School, applicants must submit a personal essay on their interest and expectations of the M.A. in Peace and Conflict Studies and may be asked to complete an interview with members of the admissions committee.

Degree Program Requirements

Required: 33 credit hours

Code	Title	Credit Hours
Required Courses (21 credits)		
PCS 600	Principles and Practice of Conflict Management and Resolution	3
PCS 601	Indigenous Peace Practices	3
PCS 605	Skills and Techniques of Conflict Management	3

PCS 606	Organizational Conflict: Diagnostic and Intervention Tools	3
PCS 607	Conflict Analysis: Theories of Change	3
PCS 608	Topics in Peace and Conflict Studies	3
PCS 610	Transitional Justice	3
Integrative Colloquium (Capstone Experience) (3 credits)		
PCS 690	Integrated Colloquium: Professional Development Project *	3
Concentration (9 credits)		
Select 9 credits from one of the concentrations		9
Total Credit Hours		33

* The capstone course is designed to complete the integration of theory, global and cultural awareness, intervention skills, project management and public policy issues. Through individually designed capstone projects or research papers, students will analyze and synthesize what they have learned throughout the curriculum, exploring issues individually and within learning communities, to deepen their experience in the evaluation of practice and the process of ongoing knowledge building.

Concentration Requirements (9 credits)

Concentration requirements are selected with the approval of the faculty advisor to encompass a student's selected concentration or individual pathway through the program.

Conflict Management Concentration

Code	Title	Credit Hours
Select three courses (9 credits) from the following:		
PCS/SWK 533		
PCS 631	Crisis Management: Response and Resolution	
PCS 647		
PCS 676	Peace Development and Community Building	
Total Credit Hours		9

International Peace Development Concentration

Code	Title	Credit Hours
Required Courses (9 credits)		
PCS 631	Crisis Management: Response and Resolution	3
PCS 665	Religion: Conflict and Confrontation	3
PCS 677	International Human Rights Advocacy	3
Total Credit Hours		9

Peace and Conflict Studies, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Peace and Conflict Studies prepares students for the changing nature of professional development, organizational knowledge and change through scholarship and research. The certificate program can be beneficial to those who have already received a graduate degree in their current area but would like to specialize in conflict management. It is also appropriate for those who possess an undergraduate degree and are seeking to obtain broad knowledge of the conflict and peace studies field or for professionals

who have already earned a graduate degree in their professional field and would benefit from research and theory and additional practice skills in a range of conflict studies.

The certificate requires 12 credit hours. A maximum of 4 credits from graduate courses taken in or transferred from other programs may be applied to the requirements of the certificate program upon the approval of the Director of Graduate Study and in accordance with policies of The Graduate School. Courses taken for the certificate program may be used to meet requirements in a degree program in accordance with the policies of The Graduate School.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (12 credits)		
PCS 600	Principles and Practice of Conflict Management and Resolution	3
PCS 605	Skills and Techniques of Conflict Management	3
PCS 607	Conflict Analysis: Theories of Change	3
PCS 608	Topics in Peace and Conflict Studies	3
Total Credit Hours		12

Security and Governance, Post-Baccalaureate Certificate (Pending Discontinuation)

The Post-Baccalaureate Certificate in Security and Governance is being discontinued pending SACSCOC approval and is not accepting applications for admission.

The Post-Baccalaureate Certificate in Security and Governance prepares students for the changing nature of post-conflict rehabilitation efforts through scholarship and research. The certificate program can be beneficial to those who have already received an undergraduate or graduate degree in their but would like to specialize in security and governance.

The certificate requires 12 credit hours of core and elective courses. Courses taken for the certificate program may be used to meet requirements in a degree program in accordance with the policies of The Graduate School.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Bachelor's degree from an accredited institution is recommended.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Courses (12 credits)		
PCS 607	Conflict Analysis: Theories of Change	3

PCS 611	Governance in Conflict Environments	3
PCS 612	Civil Military Integration in Conflict Management	3
PCS 613	Developing Civil-Military Partnerships in Conflict Environments	3
Total Credit Hours		12

Public Health Education

School of Health and Human Sciences

437 Coleman Building
336-334-5532
www.uncg.edu/phe

Vacant, Department Head

Mike Perko, Director of Graduate Study

Mission

The mission of the Department of Public Health Education is to promote health by supporting the learning, decision-making and capacity of individuals, groups, and communities. In collaboration with Piedmont Triad community organizations, the department prepares professional health educators and advances public health practice and knowledge.

Professor

Daniel L. Bibeau^G
William Nelson Dudley^G
James M. Eddy^G
Tracy R. Nichols^G
Michael A. Perko^G
Paige Hall Smith^G
Robert W. Strack^G

Academic Professional Professor

Regina Lynette McCoy^G

Associate Professor

Sandra E Echeverria^G
Kay Ann Lovelace^G
Sharon D. Morrison^G
Kelly L Rulison^G
Mark R. Schulz^G
Amanda E Tanner^G
David L. Wyrick^G

Academic Professional Associate Professor

Carrie M Rosario^G

Assistant Professor

Jennifer Toller Erasquin^G
Jeffrey John Milroy^G
Erica Danielle Payton^G

Academic Professional Assistant Professor

Crystal Tiffany Ann Dixon
Christina Michelle Yongue

Visiting Assistant Professor

Meredith Rapport Gringle^G

Lecturer

Stefanie Smith Milroy
Amelia Dare Stevens Mattocks

Amit Verma

G Graduate-level faculty

- Public Health Education, B.S. (p. 602)
- Community Health Education, M.P.H. (p. 605)
- Community Health Education, Ph.D. (p. 606)
- Health and Wellness Coaching, Post-Baccalaureate Certificate (p. 607)
- Workplace Wellness, Post-Baccalaureate Certificate (p. 607)

Public Health Education Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Public Health Education; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Crystal Dixon at ctdizon@uncg.edu for further information and guidance about Honors in Public Health Education. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Public Health Education, B.S.

The Department of Public Health Education offers the Bachelor of Science (B.S.) degree in Public Health Education major with a concentration in Community Health Education or Health Studies (an online degree program). Both concentrations provide a foundation in the core areas of public health including: social and behavioral sciences, epidemiology, public health statistics, and health policy and administration. Only students in the Community Health Education concentration are eligible candidates for national credentialing as a Certified Health Education Specialist (CHES.). The Health Studies Online concentration is an online option available for second-degree seeking students looking for a non-professional degree to complement their current professional or career experiences.

Community Health Education Concentration

Increasing national interest in health and health promotion attracts students to the undergraduate degree program in Community Health Education. The concentration provides field experiences in public and private agencies as part of the professional preparation program. Students are prepared to design and implement health promotion programs in the community. Graduates have careers in national, state,

and local health agencies, health and human services organizations, and business and industry; and many continue on into graduate study.

Health Studies Online Concentration

The program leading to the Bachelor of Science in Public Health, Health Studies Online concentration, is designed to prepare individuals for positions in health-related fields and provide a base for graduate study. The Health Studies Online concentration will allow time and location bound students to complete an undergraduate degree without relocating to the UNC Greensboro campus. Our graduates, like other graduates in general education programs, are competitive in the job market for careers in administration, education, health sciences, human relations, and public service, and in other governmental, community-based and/or nonprofit settings.

Students requesting admission to the Health Studies Online concentration may apply to the major only after earning a prior degree (A.A., A.S., B.A., B.S., or equivalent; an A.A.S. is not an equivalent option) from an accredited college or university and completion of courses that satisfy General Education Core and General Education Marker requirements.

Criteria for Admission to the Public Health Education Major

Students must be formally admitted to the Public Health Education major through an application process and select a concentration of Community Health Education or Health Studies Online. Students are considered Pre-Public Health (PPHT) until the student is formally accepted into the Public Health (PHTH) major.

Only students who have formal, written acceptance into the PHTH major will be permitted to register in upper level public health education (HEA) courses, typically completed in the junior and senior years. Admission cannot be sought into the major until completion or transfer of 45 credit hours. The application deadline is April 1 of each year. Applications are obtained from the Department of Public Health Education. Transcripts from all post-secondary schools attended must be submitted with the application. Admission to the university does not guarantee acceptance into the PHTH major. Conditional admission may be granted if students are still completing the prerequisite courses, but full admission to the major cannot be granted until all admission criteria for Community Health Education or Health Studies Online concentration have been successfully completed.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Students must continue to maintain the cumulative GPA requirement of 2.50 to progress and graduate. Students who drop below a 2.50 overall GPA will be dropped from the program.
- No HEA course or health-related area course for which a grade of C or better is required for the major may be taken more than twice (a C- is not acceptable). Students who receive a grade below C twice in the same HEA course or health related area course required for the major will be dropped from the major.

Degree Program Requirements

Code	Title	Credit Hours
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University Requirements (p. 676)

General Education Core Requirements (GEC) (p. 688)

Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Community Health Education
- Health Studies Online

Electives

Electives sufficient to complete the 120 credit hours required for degree.

Community Health Education Concentration Requirements

Minimum Criteria for Admission to the Concentration

Pre-public health students must meet the following criteria to be accepted into the major and declare the Community Health Education concentration. Students should meet these minimum requirements before submitting an application to the concentration.

1. GPA
Overall grade point average of 2.50 or higher.
2. Prerequisites
A grade of C (2.0) or better in each of the prerequisite health-related courses listed below or their equivalent. Prerequisite courses may be repeated only one time to earn the minimum required grade or better.

Code	Title	Credit Hours
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Biology

BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
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Communication Studies

CST 105	Introduction to Communication Studies	
or CST 341	Communication and Workplace Relationships	

English

ENG 101	College Writing I	
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Math

MAT 115	College Algebra	
or STA 108	Elementary Introduction to Probability and Statistics	

Nutrition

NTR 213	Introductory Nutrition	
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Social Science

PSY 121	General Psychology	
or SOC 101	Introduction to Sociology	

3. HEA courses
A grade of C (2.0) or higher in any completed HEA courses (including transferred HEA courses).

Recommended

It is recommended, but not required, that students complete the course listed below and/or a HEA elective prior to submitting the application.

Code	Title	Credit Hours
HEA 201	Personal Health	

Graduation Requirements for the Concentration

1. A grade of C (2.0) or better in all required HEA courses and health related courses.
2. Overall GPA of 2.50
3. Registration for and completion (e.g., sitting for) of the CHES exam offered by the National Commission for Health Education Credentialing (NCHEC).
4. Completion of all other requirements as described for degree and major (students may still be required to complete free elective credit hours to meet university degree requirements).

Code	Title	Credit Hours
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Required

HEA 308	Introduction to Public Health	
HEA 312	Public Health and Healthcare Systems in the US	
HEA 314	Public Health Diseases	
HEA 315	Epidemiology	
HEA 316	Environmental Health	
HEA 325	Public Health Data Analysis	
HEA 339	Introduction to Public Health Education Practice	
HEA 340	Community Observation and Assessment	
HEA 366	Community Health Interventions I	
HEA 405	Program Planning and Evaluation	
HEA 426	Internship Planning	
HEA 428	Health Education Internship (Fieldwork IV and Seminar) (Fieldwork IV and Seminar)	
HEA 466	Community Health Interventions II	

Select 12 credits of the following:

HEA 113	Medical Terminology for Public Health Professionals	
HEA 201	Personal Health [†]	
HEA 202	Introduction to Peer Health Education	
HEA 203	Peer Health Education: Selected Topics	
HEA 231	Athlete Health and Sport Performance	
HEA 260	Human Sexuality	
ENT 307	Global Health	
HEA 310	Mental Health and Well-Being	
HEA 331	Alcohol, Tobacco, and Other Drugs	
HEA 334	Community Health	
HEA 350	Race, Ethnicity, and Health	
HEA 433	Gender and Health	
HEA 447	Income, Social Status, and Health	
HEA 450	Current Health Problems	
HEA 471	Immigrant and Refugee Health	
HEA 475	Independent Study	

Related Area Requirements

Biology

Select one option of the following:

Option A:

BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory ⁺⁺
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Option B:

BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory
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Option C:

BIO 277 & 277L	Human Physiology and Human Physiology Laboratory
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Communication Studies

CST 105 or CST 341	Introduction to Communication Studies Communication and Workplace Relationships
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English

ENG 101	College Writing I ⁺⁺⁺
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Math

MAT 115 or STA 108	College Algebra ^{* +++++} Elementary Introduction to Probability and Statistics
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Nutrition

NTR 213	Introductory Nutrition ⁺⁺
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Social Science

PSY 121 or SOC 101	General Psychology [†] Introduction to Sociology
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* Or a higher level mathematics course.

† Counts toward GEC GSB requirement.

++ Counts toward GEC GNS requirement.

+++ Counts toward GEC GRD requirement.

++++ Counts toward GEC GMT requirement.

Health Studies Online Concentration Requirements

Minimum Criteria for Admission to the Concentration

Pre-public health students must meet the following criteria to be accepted into the major and declare the Health Studies Online concentration. Students should meet these minimum requirements before submitting an application to the concentration.

1. Prior degree
- Students requesting admission to the Health Studies Online concentration may apply to the major only after earning a prior degree (A.A., A.S., B.A., B.S., or equivalent; A.A.S. does not count as an equivalent) from an accredited college or university and completion of courses that satisfy General Education Core and General Education Marker requirements.
2. GPA
- Overall grade point average of 2.50 or higher.
3. Prerequisites
- A grade of C (2.0) or better in each of the courses listed below or their equivalent. Prerequisite courses may be repeated only one time to earn the minimum required grade or better.

Code	Title	Credit Hours
Biology		
Select one option from the following:		
Option A:		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
Option B:		

BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory
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Option C:

BIO 277 & 277L	Human Physiology and Human Physiology Laboratory
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Communication Studies

CST 105 or CST 341	Introduction to Communication Studies Communication and Workplace Relationships
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English

ENG 101	College Writing I
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Math

MAT 115 or STA 108	College Algebra [*] Elementary Introduction to Probability and Statistics
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Social Science

PSY 121 or SOC 101	General Psychology Introduction to Sociology
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Information Systems

ISM 110	Business Computing I
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* Or a higher level mathematics course.

4. HEA courses
- A grade of C (2.0) or higher in any completed HEA courses (including transferred HEA course).

Graduation Requirements for the Concentration

1. A grade of C (2.0) or better in all required HEA courses and health related courses.
2. Overall GPA of 2.50
3. Registration for and completion (e.g., sitting for) of the CHES exam offered by the National Commission for Health Education Credentialing (NCHEC).
4. Completion of all other requirements as described for degree and major (students may still be required to complete free elective credit hours to meet university degree requirements).

Code	Title	Credit Hours
Required		
HEA 308	Introduction to Public Health	
HEA 312	Public Health and Healthcare Systems in the US	
HEA 314	Public Health Diseases	
HEA 315	Epidemiology	
HEA 316	Environmental Health	
HEA 325	Public Health Data Analysis	
HEA 350	Race, Ethnicity, and Health	
HEA 433	Gender and Health	
HEA 447	Income, Social Status, and Health	
HEA 490	Capstone Experience	
Select 18 credits of the following: *		
HEA 113	Medical Terminology for Public Health Professionals	
HEA 201	Personal Health [†]	
HEA 260	Human Sexuality	
HEA 307	Global Health	

HEA 310	Mental Health and Well-Being
HEA 331	Alcohol, Tobacco, and Other Drugs
HEA 334	Community Health
HEA 412	Community Health Organizations
HEA 450	Current Health Problems
HEA 470	Adolescent Health
HEA 471	Immigrant and Refugee Health
HEA 475	Independent Study
HDF 212	Families and Close Relationships **
HDF 302	Infant and Child Development **
KIN 220	Lifetime Wellness **
MGT 300	Management of Organizations **
MGT 312	Organizational Behavior **
NUR 390	Culture and Health Care **
NTR 213	Introductory Nutrition ** ††
PCS 318	Managing Conflict in Professional Contexts **
PHI 220	Medical Ethics **
SOC 327	Race and Ethnic Relations **
WGS 250	An Introduction to Women's and Gender Studies **

Related Area Requirements

Biology

Select one option of the following:

Option A:

BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory ††
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Option B:

BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory
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Option C:

BIO 277 & 277L	Human Physiology and Human Physiology Laboratory
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Communication Studies

CST 105 or CST 341	Introduction to Communication Studies Communication and Workplace Relationships
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English

ENG 101	College Writing I †††
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Information Systems

ISM 110	Business Computing I
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Math

MAT 115 or STA 108	College Algebra ¹ †††† Elementary Introduction to Probability and Statistics
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Social Science

PSY 121 or SOC 101	General Psychology [†] Introduction to Sociology
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* A minimum of 12 credits must have an HEA prefix.

** A maximum of 6 credits may be selected from these courses.

¹ Or a higher level mathematics course.

[†] Counts toward GSB requirement.

^{††} Counts toward GEC GNS requirement.

^{†††} Counts toward GEC GRD requirement.

^{††††} Counts toward GEC GMT requirement.

Community Health Education, M.P.H.

The Master of Public Health requires 45 credit hours and consists of 39 credits of coursework and a 6 credit internship/practicum in a community setting. The professional preparation program is for qualified students from a variety of academic and professional backgrounds who are interested in careers that involve the development and management of population-based health promotion and disease prevention activities within communities. In the program students receive academic preparation in the profession of Health Education and skill development in the traditional public health fields of epidemiology, statistics, environmental health, and health policy with coursework and volunteer experiences emphasizing the development of practitioner competencies. The degree program prepares graduates for careers in public health and health care settings at local, state, regional, or national levels.

The M.P.H. program is accredited by the Council on Education for Public Health (CEPH) and the professional requirements are based on the recommendations of the Joint Commission of the Society of Public Health and the American Association for Health Education. Graduates of the program are eligible to sit for the national Health Education credentialing exam for the profession and become a Certified Health Education Specialist (CHES), or with a qualifying experience, a Master's Certified Health Education Specialist (MCHES). By the end of the program students will have preparation in the Core Areas of Public Health and in the Seven Areas of Responsibility for Health Education Specialists (assessment, program planning, implementation, evaluation, administration and management, resource, and communication and advocacy).

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the minimum admission materials required by The Graduate School, applicants should submit a description of work experiences and a written statement of professional goals.

Applicants can enroll as either full-time or part-time students. All required courses except the internship are offered in the evenings. Full-time students are expected to take four courses each fall and spring semester for two years. Part-time students usually take two courses each fall and spring semester, and one course each summer, over three years.

Degree Program Requirements

Required: 45 credit hours

Code	Title	Credit Hours
Core Courses (21 credits)		
HEA 601	Foundations of Public Health	3
HEA 602	Epidemiology Methods	3
HEA 604	Quantitative Methods	3
HEA 607	Determinants of Health	3
HEA 619	Systems, Leadership, and Policy I	3
HEA 615	Systems, Leadership, and Policy II	3
HEA 621	Public Health Theories and Strategies	3
Required Professional Courses (9 credits)		
HEA 618	Assessment and Program Planning I	3
HEA 614	Assessment and Program Planning II	3

HEA 625	Evaluation Methods	3
Electives (9 credits)		
Select three elective courses *		9
Capstone Experience (6 credits) **		
HEA 650	Community Health Internship/Practicum	6
Total Credit Hours		45

* Chosen in consultation with his/her advisor.

** In addition to the field-based learning experiences in courses throughout the program, students are required to integrate and synthesize their acquired skills and knowledge in an applied situation that approximates some aspect of professional practice in community health education. This is done through an internship/practicum in a community health agency. Prior to the internship/practicum, students plan their work in an applied program planning class.

Community Health Education, Ph.D.

The Department's Ph.D. in Community Health Education is designed to engage doctoral students in an active learning environment that prepares them academically and professionally to conduct significant public health research and advanced practice. Graduates of the doctoral program take roles as researchers, academics, and public health leaders and professionals committed to social change and to facilitating the resolution of public health outcomes important to the community and field. The Ph.D. in Community Health Education requires 63 credit hours beyond an appropriate master's degree (90 credit hours without a qualifying master's degree). Students who enter with a master's degree are required to earn a minimum of 48 credits of coursework and 15 credits of dissertation work. The department's faculty have a strong base in approaches that embrace the social ecological framework and are committed to community engaged interaction and research.

The educational objectives of the Ph.D. program are to:

- Provide an ecological perspective of health and the related advanced theory important in preparing students for careers in practice-based research.
- Prepare students to function as leaders in community-based prevention research in academic, research, or public health organizations.
- Provide experiences to ground students' research in the problems and issues facing public health education practitioners and policymakers.
- Provide research experiences designed to develop the technical, conceptual, and communications skills required for independent research.

Assessment of courses or experiences applicable to the degree occurs at the time of admission into the program. The student's doctoral program committee will work with each candidate to develop a course of study within the framework of the program and informed by the student's personal interests, past coursework, and professional experiences.

In addition to the minimum admission materials required by The Graduate School, applicants should submit a description of work experiences and a written statement of research and professional goals. In this statement, identify at least 2-3 faculty members with whom you would like to work.

For best consideration, materials should be provided by December 2nd although strong students will be considered on a rolling basis until

the class is filled. Admission is for the Fall only and applicants can be admitted as either full-time or part-time students.

Degree Program Requirements

Required: 63 credit hours (90 credit hours without a qualifying master's degree)

The Ph.D. in Community Health Education requires 63 credit hours beyond an appropriate master's degree (90 credit hours without a qualifying master's degree). Students who enter with a master's degree are required to earn a minimum of 48 credits of course work and 15 credits of dissertation work.

Entering doctoral students who have not completed one or more of the **Public Health Core** or **Health Education Core** courses must complete these courses as part of their program in addition to the minimum 63 credit hours.

Code	Title	Credit Hours
Profession Core (12-30 credits)		
<i>Public Health Core (0-9 credits) ¹</i>		0-9
HEA 601	Foundations of Public Health	
HEA 602	Epidemiology Methods	
HEA 604	Quantitative Methods	
<i>Health Education Core (3-12 credits) ²</i>		3-12
HEA 603	Community Health Analysis	
HEA 609	Community Health Interventions	
HEA 625	Evaluation Methods	
HEA 758	Advanced Theoretical Basis for Community Health Education	
<i>Professional Development (9 credits)</i>		
HHS 750	Professional Development Seminar	3
HEA 760	(COURSE INACTIVE)	3
Select at least one course (3 credits) from the following:		3
HEA 702	Professional Grant Writing for Community Organizations	
KIN 798	Doctoral Seminar in Grant Writing	
Research Core (21 credits)		
<i>Foundations (3 credits)</i>		
HEA 751	Foundations of Research for Public Health Education	3
<i>Methods (18 credits)</i>		
HEA 705	Qualitative Methods in Public Health	3
HEA 752	Quantitative Methods in Public Health	3
HEA 765	Advanced Program Evaluation in Public Health Education	3
And select at least three courses (9 credits) from the following: ³		9
HHS 650	Applied Multiple Regression	
ERM 680	Intermediate Statistical Methods in Education	
ERM 681	Design and Analysis of Educational Experiments	
ERM 682	Multivariate Analysis	
ERM 731	Structural Equation Modeling in Education	
ERM 732	Hierarchical Linear Modeling	
ERM 668	Survey Research Methods in Education	
STA 645	Nonparametric Statistics	

STA 670	Categorical Data Analysis
STA 676	Sample Survey Methods
NUR 701	Statistical Applications for Nursing Research
NUR 702	Statistical Applications for Nursing Research II
HDF 756	Advanced Research Design in Human Development and Family Studies
SOC 618	Advanced Data Analysis
PSY 609	Statistical Methods in Psychology I
PSY 610	Statistical Methods in Psychology II
PSC 503	Survey Methods for Policy Research
NUR 703	Qualitative Methods for Nursing
TED 738	Mixed Methods Research Design in Curriculum and Instruction
ELC 664	Introduction to Qualitative Inquiry: A Social Justice Approach
CST 602	Engaging Communication Scholarship II
ERM 750	Case Study Methods in Educational Research

Electives (15 credits)Select 15 credits from the following: ⁴ 15

HEA 612	Management of Community Health Organizations
HEA 622	Social Epidemiology
HEA 640	Global Health Issues
HEA 662	Gender and Health
HEA 676	Problems Seminar
HEA 725	Advanced Community Health Projects
HEA 735	Topics in Community Health Research
ERM 667	Foundations of Educational Measurement Theory
KIN 745	Seminar: Social Psychology and Physical Activity
PSC 620	Urban and Regional Development Policy

Dissertation (15 credits)

HEA 799	Doctoral Dissertation Research	15
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Total Credit Hours 63-81

¹ **Public Health Core** courses may be waived with accredited M.P.H./M.S. degree or related degree.

² HEA 603, HEA 609, and HEA 625 may be waived with accredited M.P.H./M.S. in H.E./H.E. related degree. HEA 758 Advanced Theoretical Basis for Community Health Education is a required course for the **Health Education Core**.

³ Students should work with Advisor and committee to select course work complementary of expected dissertation method needs. Additional methods courses taken beyond required may count as part of elective requirements.

⁴ The following list provides examples of possible electives. Elective choices should be made under the advisement of the student's doctoral program committee. A minimum of 6 credits of HEA courses is required. Additional Methods or Professional Development courses taken above those required may be counted toward elective requirements.

Health and Wellness Coaching, Post-Baccalaureate Certificate

The post-baccalaureate certificate in Health and Wellness Coaching prepares students for effective professional practice and the eligibility

to apply for a national certifying exam to become a certified health and wellness coach.

Bachelor's degree.

Certificate Program Requirements

Required: 9 credit hours

Students complete at least 9 credit hours during a 2-year period of time to earn the certificate, but can be sequenced for completion in two semesters (fall/spring). Academic credit generated in the certificate program may be used to meet requirements in another graduate degree program in accordance with the policies of the Graduate School. Students in the certificate program will be required to complete a minimum of 3 core courses to meet our educational and field experience.

Code	Title	Credit Hours
Core Courses (9 credits)		
HEA 630	Foundations of Health Coaching	3
HEA 725	Advanced Community Health Projects	3
CED 610	Helping Relationships	3
Total Credit Hours		9

Workplace Wellness, Post-Baccalaureate Certificate

The certificate in workplace wellness prepares individuals to work with employers, policy-makers, or brokers/consultants to improve the health and well-being of employees.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Bachelor's degree in a health-, business-, or social science-related program, or concurrent enrollment in similar graduate program.

Certificate Program Requirements

Required: 9 credit hours

Code	Title	Credit Hours
Foundation Course (3 credits)		
HEA 616	Workplace Health Promotion	3
Elective Course (3 credits) *		
Select one course (3 credits) from the following:		3
HEA 645	Health Policy	
CTR 646	Community Development	
ECO 737	Health Economics	
KIN 570	Development and Implementation of Fitness Programs	
KIN 579	Exercise and Older Adults	
MBA 706	Marketing Management	
NTR 607	Nutrition Education	
PSC 612	Organizational Behavior and Leadership	
Practicum Course (3 credits)		

HEA 725	Advanced Community Health Projects	3
Total Credit Hours		9

* Or other courses in consultation with advisor.

Social Work

School of Health and Human Sciences

268 Stone
336-334-5147
www.uncg.edu/swk

Melissa Floyd-Pickard, *Chair of Department*
Jeffrey Shears, *Director of Graduate Study*

Mission of the Department of Social Work

Our mission is to educate students to become competent, engaged social workers who demonstrate the knowledge, ethics, values, and skills of the profession. We accomplish this goal within a transformative learning community that encourages the professional development of students, staff, and faculty. We promote civil rights and pursue social justice for oppressed and marginalized people. We improve the lives of citizens of the Piedmont Triad and beyond through our signature pedagogy, field instruction; through our community-engaged scholarship and research; and through the ongoing leadership of our students, alumni, and faculty.

Department Goals

1. Prepare graduate and undergraduate students to become competent, engaged social workers who demonstrate the knowledge, ethics, values, and skills of the profession.
2. Prepare graduates to work effectively with diverse and marginalized people.
3. Prepare students to facilitate inclusion at all systems levels—individual, family, group, organization, community, and policy.
4. Create a learning community that respects diversity and encourages the exploration of difference.
5. Increase engagement with social service agencies and other community institutions to promote social change.
6. Conduct change-oriented research to promote social and economic justice.

Mission of the Bachelor of Social Work Program

Our mission is to prepare competent, ethical social workers who will become the backbone of the social services delivery system in the Piedmont Triad and beyond. We prepare students to engage with others at the intersection of person and environment, race, gender, and class, in order to promote healthy functioning for individuals, families, groups, and communities. Our goal is the transformation of personal history into professional identity through mentoring, teaching, our signature pedagogy—field education, research, and engaged scholarship. Learning takes place within an intentional, collaborative community that respects and embraces diversity and promotes inclusion.

The Joint Master of Social Work

The Joint Master of Social Work (MSW) program represents the efforts of faculty at North Carolina Agricultural and Technical State University (NCA&TSU) and The University of North Carolina at Greensboro (UNC

Greensboro). This is a single academic program with participation in instruction by faculty from each department. Instruction is conducted on the campuses of both universities. The program is accredited by The Council on Social Work Education and the curriculum has been designed by the joint faculty to provide students with a multicultural clinical social work education. The model for the curriculum is based on CSWE social work competencies and contemporary, state-of-the-art theory and practice methods. The curriculum is organized by generalist year, specialization year, and field instruction. The primary purpose of the MSW program is to prepare students for multicultural clinical social work practice.

Each MSW student completes 1008 hours of internships in community agencies. A 42-credit hour Advanced Standing option is available for highly qualified students who have graduated from a CSWE-accredited BSW Program; these students complete a 672-hour advanced internship.

Gerontology

The mission of the UNC Greensboro Gerontology Program is to teach, apply, and create gerontological knowledge through collaborative relationships with academic disciplines, community organizations, and businesses to enrich the lives of older adults and their families. Graduates are prepared to be leaders in the profession and to serve older adults locally and nationally through the health, business, non-profit, and academic sectors.

Three goals reflect the mission of the Gerontology program:

1. Provide a transdisciplinary curriculum that gives new and seasoned professionals the knowledge and skills necessary for a successful career working with older adults.
2. Facilitate and support opportunities for students to participate in innovative coursework that further their academic and professional goals in the field of gerontology.
3. Provide professional training and experiences in gerontology in order to enhance understanding of and professional practice using research and theories on aging.

Program Administration

The Gerontology Program is proudly housed in the Department of Social Work in the School of Health and Human Sciences.

212 Ferguson Building
www.uncg.edu/gro

About

The goal of the Gerontology Program is to provide opportunities for learning and practice that create competent and capable gerontologists who meet the needs of the aging population. Students are provided with a scientific, broad and integrated view of aging through collaborative relationships with academic disciplines, community organizations, and businesses in order to approach issues of aging from a truly biopsychosocial perspective. The undergraduate and graduate programs in Gerontology prepare students for careers in agencies and organizations serving older adults and their families.

The UNC Greensboro Gerontology Program offers an Undergraduate Minor in Gerontology, a Post-Baccalaureate Certificate in Gerontology, and a Master of Science in Gerontology.

Affiliated Faculty

Dr. Rebecca G. Adams, *Gerontology Undergraduate Coordinator, Professor*
Dr. Elise K Eifert, *Gerontology Graduate Coordinator, Assistant Professor*

Undergraduate

Rebecca Adams, *Gerontology Undergraduate Coordinator*
 336-256-1020

The Gerontology Program offers an undergraduate minor in Gerontology that requires 15 credit hours to complete, including a 3 credit required course, GRO 201, and 12 credits of electives outside the student's major.

Undergraduate students who plan to undertake graduate study at UNC Greensboro, and who need no more than 12 credits of work to fulfill all requirements for the bachelor's degree, may enroll in the Graduate School. See the Dual Registration in the *University Catalog*.

Please see the *University Catalog* for gerontology graduate programs.

Graduate

Elise Eifert, *Gerontology Graduate Coordinator*
 336-256-1099

A Post-Baccalaureate Certificate and a Master of Science degree in Gerontology are offered through the Gerontology Program. The graduate programs are fully online and tailored to working, adult learners. Programs are flexible and practitioner oriented with a focus on authentic learning and developing practical knowledge and skills for the job market.

The Post-Baccalaureate Certificate in Gerontology curriculum provides students enrolled at UNC Greensboro in another degree earning program with the opportunity to link their primary discipline with Gerontology. The P.B.C. requires a minimum of 12 credit hours of coursework. Visit the P.B.C. program page at <https://catalog.uncg.edu/health-human-sciences/social-work/gerontology-pbc/> for information about applying and admission and the certificate requirements.

The Master of Science in Gerontology curriculum provides the professional foundation necessary to prepare students for practice as a Gerontologist. Courses are designed to provide students with opportunities to master core competencies in the Gerontology discipline according to the Academy for Gerontology in Higher Education. The M.S. requires a minimum of 30 credit hours of coursework. Visit the M.S. program page at <https://catalog.uncg.edu/health-human-sciences/social-work/gerontology-ms/> for information about applying and admission and the degree requirements.

Professor

Rebecca G. Adams^G
 Tanya M. Coakley^G
 Melissa Raymelle Floyd-Pickard^G
 Elizabeth W. Lindsey^G
 Kelly Jay Poole^G
 John C. Rife^G

Associate Professor

Mathieu Despard^G
 Danielle Cori Swick^G
 Tyreasa Washington^G

Academic Professional Associate Professor

Fran Pearson^G
 Daniel Thomas Rhodes^G

Assistant Professor

Yarneccia Danielle Dyson^G
 Meredith Christine Foster Powers^G

Academic Professional Assistant Professor

Jennifer Gale Cobb^G
 Elise K Eifert^G
 Alicia B. Kaplan^G
 Michael A. Thull^G
 Beth Webb^G

Lecturer

Jacalyn Anne Claes^G
 Maha Abdelrahman Elobeid
 Thomas Jeffrey Farrer^G
 Chauncey Greene
 Cheri Neal
 Marlon Thomas Nolen
 Elizabeth L Pritchard

^G Graduate-level faculty

- Social Work, B.S.W. (p. 609)
- Gerontology Undergraduate Minor (p. 612)
- Social Work Undergraduate Minor (p. 612)
- Gerontology, M.S. (p. 612)
- Social Work, M.S.W., offered jointly with North Carolina A&T State University (p. 613)
- Social Work, Ph.D., offered jointly with North Carolina A&T State University (p. 615)
- Gerontology, Post-Baccalaureate Certificate (p. 616)

Social Work Disciplinary Honors Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3

Recognition

Receive a Certificate of Disciplinary Honors in Social Work; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor

Contact Daniel Rhodes at dtrhodes@uncg.edu for further information and guidance about Honors in Social Work. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Social Work, B.S.W.

The purpose of the Social Work major is to prepare students for entry level generalist practice in social work. This is a professional program

of study which is strongly grounded for the first two years in liberal arts; the second two years focus on the professional curriculum. The program prepares students for work with individuals, families, groups, organizations and communities.

Accreditation

The program is accredited by the Council on Social Work Education for an eight-year period ending in June 2021.

Admission to the Social Work Major

The student who wishes to formally declare Social Work as a major should consult with the Undergraduate Program Director. Admission is competitive and limited. Decisions concerning admission are announced by January 1 and are effective with the beginning of the spring semester. Admission to the major is based upon the criteria listed below.

1. Required courses
- Satisfactory completion of the courses listed below with a grade of C or higher.
- | Code | Title | Credit Hours |
|-----------------------------------|---------------------------------------|--------------|
| SWK 215 | Introduction to Social Work | |
| And be enrolled or have completed | | |
| SWK 310 | Social Policy and Services | |
| SWK 311 | Human Behavior and Social Environment | |
2. GPA
- A minimum university GPA of 2.50
3. Credit hours
- Completion of a minimum of 51 credit hours
4. Application packet
- Completion and submission of the B.S.W. Application Packet by December 7 of the year in which the student is seeking admission

Requirements for Admission to Field Instruction

1. Social Work major
- Prior admission to the Social Work Major
2. Required courses
- Completion of the courses below (or their equivalent) and completion of the department's culture and diversity requirement.
- | Code | Title | Credit Hours |
|---------|---|--------------|
| BIO 105 | Major Concepts of Biology | |
| ECO 101 | Introduction to Economics | |
| HDF 212 | Families and Close Relationships | |
| PSC 200 | American Politics | |
| PSY 121 | General Psychology | |
| SOC 101 | Introduction to Sociology | |
| STA 108 | Elementary Introduction to Probability and Statistics | |
- or SWK 250Introduction to Social Work Data Analysis
3. Credit hours
- Completion of 84 credits with a 2.50 grade point average
4. Early field experience
- Satisfactory completion of all early field experience requirements

5. SWK Courses
- Satisfactory completion of the courses listed below with a minimum grade of C. No Social Work course may be taken more than twice.
- | Code | Title | Credit Hours |
|---------|--|--------------|
| SWK 215 | Introduction to Social Work | |
| SWK 310 | Social Policy and Services | |
| SWK 311 | Human Behavior and Social Environment | |
| SWK 315 | Social Work, Diversity, and Vulnerable Populations | |
| SWK 325 | Research in Social Work Practice | |
| SWK 351 | Professional Skills | |
6. Application process
- An application process and approval of the Director of Field Instruction

General Information

Admission to the university does not constitute acceptance to the department. Academic credit is not awarded for life or work experience. Community social work agencies cooperate with the Department of Social Work in providing field work experiences for the students. The number of students placed for field instruction is determined by the availability of these resources. At times, there may not be an approved site for student placement and there may be delay in meeting that part of the graduation requirements.

Students enrolled in the practice sequence are individually responsible for their own transportation to and from community agencies. Students are required to provide proof of liability and malpractice insurance. Malpractice insurance information is available in the departmental office.

Students who fail to enter senior year field instruction within two years of completion of all Bachelor of Social Work foundation courses* must reapply for admission to the social work program. The Director of the Bachelor of Social Work program in consultation with the student and faculty will decide what social work courses, if any, must be repeated prior to reapplying for admission to field instruction.

Students who enter field instruction and fail to successfully complete it must reapply for admission to field instruction within two years of completion of all Bachelor of Social Work foundation courses*. If more than two years elapse, the student must reapply for admission to the social work program. Students who have previously entered field instruction and have not successfully completed it may only reapply once for readmission.

- * BSW Foundation Courses
- SWK 215
 - SWK 310
 - SWK 311
 - SWK 315
 - SWK 325
 - SWK 351

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 676)		
General Education Core Requirements (GEC) (p. 688)		

Major Requirements

Code	Title	Credit Hours
Admission to Field Instruction		19
SWK 215	Introduction to Social Work	
SWK 310	Social Policy and Services	
SWK 311	Human Behavior and Social Environment [†]	
SWK 315	Social Work, Diversity, and Vulnerable Populations	
SWK 325	Research in Social Work Practice	
SWK 351	Professional Skills	
Practice Sequence		24
SWK 411	Social Work Methods I	
SWK 412	Social Work Methods II	
SWK 413	Field Instruction I	
SWK 414	Field Instruction II	
SWK 415	Field Instruction Seminar I	
SWK 416	Field Instruction Seminar II	
Select 6 remaining credits in social work at the 400 level		
Related Area Requirements		24
BIO 105	Major Concepts of Biology ^{††}	
BIO 111	Principles of Biology I	
or ATY 253	Introduction to Biological Anthropology	
ECO 101	Introduction to Economics [†]	
HDF 212	Families and Close Relationships	
PSC 200	American Politics	
PSY 121	General Psychology	
SOC 101	Introduction to Sociology	
STA 108	Elementary Introduction to Probability and Statistics ^{*, †††}	
or SWK 250	Introduction to Social Work Data Analysis	
Culture and Diversity Requirement		6
Select 6 credits of the following: ^{**}		
ADS 201	Introduction to African American Studies	
ADS 210	Blacks in American Society: Social, Economic, and Political Perspectives	
ATY 100	Contemporary Non-Western Cultures	
ATY 213	Introduction to Cultural Anthropology	
ATY 330	Cultures of North American Indians	
ENG 331	Women in Literature	
ENG 374	Early African American Writers	
ENG 376	African American Writers after the 1920s	
HDF 407	Issues Affecting Women and Families	
HEA 433	Gender and Health	
HEA 447	Income, Social Status, and Health	
HEA 471	Immigrant and Refugee Health	
HIS 301	Race and Slavery	

HIS 302	Race and Segregation
HIS 328	U.S. Women's History to 1865
HIS 329	U.S. Women's History Since 1865
PCS 309	Conflict and Culture
PCS 415	Global Peacebuilding
PSC 336	Women and the Law
REL 111	Introduction to Asian Religion
REL 215	Judaism
REL 221	Buddhism
REL 223	Hinduism
REL 225	Islam
REL 229	Introduction to African American Religions
REL 231	Religion in America
SES 101	American Sign Language I
or ASL 101	Elementary American Sign Language I
SES 102	American Sign Language II
or ASL 102	Elementary American Sign Language II
SES 200	People with Disabilities in American Society
SOC 327	Race and Ethnic Relations
SOC 329	Sociological Perspectives on Gender
WGS 250	An Introduction to Women's and Gender Studies
WGS 270	Introduction to LGBTQI Studies
WGS 311	Gender and Violence
WGS 333	Postcolonial and Transnational Feminisms

Total Credit Hours 73

* *Social work majors who take the SWK course instead of STA course will need to also take a general math course to meet the GEC requirement. MAT 112 is recommended.*

** *All students must establish elementary competence in culture and human diversity. To do so, a student may establish foreign language proficiency (through 102) at the elementary level (0-6 credits) or complete 6 credits in course work chosen from the courses listed.*

† *Counts toward GEC GSB requirement.*

†† *Counts toward GEC GNS requirement.*

††† *Counts toward GEC GMT requirement.*

Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Social Work with Special Subject-Area Licensure in School Social Work

Electives

Electives sufficient to complete the 120 credit hours required for the degree.

Social Work with Special Subject-Area Licensure in School Social Work Concentration Requirements

Students intending to become licensed for school social work by the Department of Public Instruction need to complete the licensure program which has been developed with the School of Education (see School of Education Licensure Programs).

In addition to completing the requirements for the social work major, the student must be admitted to the Teacher Education Program, have a minimum cumulative 3.0 GPA, and successfully complete the courses listed below.

Field Instruction courses must be taken in a school social work setting.

Licensure for school social work is granted by the North Carolina Department of Public Instruction. Students interested in School Social Work Licensure should contact the advisor for School Social Work Licensure in the Department of Social Work.

Code	Title	Credit Hours
Teacher Education		6
ELC 381	Cultural Foundations of Education	
SWK 482	School Social Work	
Field Instruction		10
SWK 413	Field Instruction I	
SWK 414	Field Instruction II	

Gerontology Undergraduate Minor

The 15 credit hour Gerontology minor is designed for undergraduates with any major who are interested in a career in aging or personally interested in the topic. This minor should be of special interest to undergraduates planning to pursue careers in the allied health fields, with businesses or non-profits providing services or products to older adults and their families, or after attending graduate school as researchers in their respective fields.

Students will learn to locate information relevant to the aging experience and communicate it effectively to others, describe the variety of aging experiences, analyze current opportunities and constraints on how people age, and interpret data and apply theories of aging to gain perspective on their own futures as older adults and to identify areas for change.

Working with the Gerontology Undergraduate Coordinator and their major advisors, students will have an opportunity to complete a program of study customized to help them meet their own personal or career goals. The minor consists of five 3 credit courses, one of which is required and all of which must be outside the student's major.

Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
Required		
GRO 201	Envisioning Your Old Age	
<i>Select 12 credits from the following: *</i>		
BIO 425	Biological Clocks	
BIO 436	Biology of Aging	
CSD 452	Communication and Aging	
CSD 487	Introduction to Adult Language Disorders	
CTR 314	Recreation Services with Underrepresented Groups	
GRO 411	Silver Industries	
HDF 211	Human Development Across the Life Span	
HDF 304	Adult Development	

KIN 479	Exercise and Older Adults
NTR 313	Nutrition Throughout the Life Cycle
NUR 481	End-of-Life Care
PSY 375	Psychology of Aging
SWK 470	Social Services for the Aging

* *Chosen from the courses listed or other courses with a focus on aging under advisement from the Gerontology Undergraduate Coordinator.*
Note: Some of these courses require prerequisites or permission of the instructor, but it is possible to complete the minor without taking any of those courses.

Social Work Undergraduate Minor

Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
Required		
SWK 215	Introduction to Social Work	
SWK 311	Human Behavior and Social Environment	
SWK 315	Social Work, Diversity, and Vulnerable Populations	
<i>Select two 400-level courses in Social Work</i>		

Gerontology, M.S.

The M.S. in Gerontology, offered as an online program, requires 30 credit hours of coursework and an internship or research experience.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal essay elaborating on their experience and/or interest in working with older adults.

Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Required Core Courses (21 credits)		
GRO 602	Seminar: Critical Issues of Aging	3
GRO 620	Research Methods in Gerontology	3
GRO 621	Health and Aging	3
GRO 634	Diversity, Inclusion, and Aging	3
GRO 651	Theoretical Foundations of Aging	3
SWK 570	Social Services for the Aging	3
GRO 679	Integrated Capstone in Gerontology	3
Electives (9 credits)		
Select nine credits under advisement to meet the student's educational objectives		9
Total Credit Hours		30

Social Work, M.S.W., offered jointly with North Carolina A&T State University

Program Goals

Four program goals reflect the mission of the Joint Master of Social Work program in three complementary areas: the provision of a quality master's level social work curriculum, service to the people of North Carolina, and scholarship.

- Create an intentional learning community which recognizes, understands, supports, and honors diversity and difference, especially for students from oppressed groups.
- Prepare graduates to engage in culturally-competent, effective, ethical, multiculturally-competent clinical practice.
- Collaborate with consumers and colleagues to promote social and economic justice and improve the lives of the people of North Carolina and beyond.
- Conduct and disseminate community-engaged scholarship which contributes to the knowledge base of the profession and promotes effective social work practice.

Curriculum Plan

The Joint Master of Social Work program with the Department of Sociology and Social Work at NCA&TSU offers two-year and advanced standing program options. Students in the full-time two-year option complete 60 credit hours of coursework. The advanced standing option requires 42 credit hours in one calendar year. All students must complete courses in the prescribed sequence to progress successfully to completion of the degree program.

The curriculum design of the program provides students with a theoretical and applied education in social work to enhance and promote multicultural clinical social work practice. The program is organized to insure that all students, as advanced social work practitioners, will be prepared to independently engage in clinical social work practice with individuals, families, and small groups, and to work effectively within organizations and communities around issues of social justice and access to services.

Generalist Year Curriculum

In the generalist curriculum, students complete 30 credits of coursework. Students complete courses in social work and social welfare policy, social work practice and human diversity, social work practice with individuals, social work practice with groups, and family theory and intervention. Students also complete courses on foundations of clinical social work practice, social work and social justice, social work research methods, and two generalist field instruction and seminar courses. The purpose of the generalist course work is to prepare students for the specialization curriculum.

Specialization Curriculum

In the specialization curriculum, students complete an additional 30 credits of coursework. Students complete two courses in advanced social work clinical practice, an advanced research course, and a course on organizational practice from a clinical perspective. They also complete two semesters of advanced field instruction and field seminar. Students

also complete two graduate-level electives, which must be approved by the student's educational advisor.

Advanced Standing Option

Advanced Standing students have been admitted into Advanced Standing with a B.S.W. degree and complete 42 credits of graduate course work to obtain the M.S.W. They begin their graduate course work in the summer taking 12 credits of coursework. This course work builds a content bridge between B.S.W. coursework and the specialization year curriculum of the M.S.W. program.

School Social Work Licensure

Students intending to become licensed at the graduate level for school social work by the North Carolina Department of Public Instruction need to complete the Licensure Program, which has been developed with the School of Education.

In addition to completing the requirements for the JMSW Program, the student must be admitted to the Teacher Education Program and successfully complete SWK 651 Advanced School Social Work . The advanced year field instruction (SWK 640 Field Instruction III and SWK 647 Field Instruction IV) must be taken in a school social work setting. Graduate licensure in school social work is granted by the North Carolina Department of Public Instruction. Students interested in school social work licensure should contact the school social work coordinator in the Department of Social Work.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

A Joint Admissions Committee comprised of faculty members from UNC Greensboro and NCA&TSU review applications and recommend applicants for admission. The review process ensures a consistent and fair evaluation of applicants.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement, a case analysis, a Volunteer/Work Experience form, and show evidence of a liberal arts foundation that includes 18 credits of Social and Behavioral Sciences (political science, psychology, anthropology, economics, ethnic/global studies, history and sociology); 6 credits of Humanities; 3 credits of Human Biology or Human Development; and 3 credits of Statistics.

Applicants must demonstrate intellectual and personal qualifications considered essential to the successful practice of social work, such as sensitivity and responsiveness in relationships, concern for the needs of others, adaptability, good judgment, creativity, integrity, and skill in oral and written communication.

The M.S.W. program does not grant academic credit for life or work experience. Only students who have been admitted to the program may take social work courses. Specific policies governing student progression in the program may be found in the JMSW Student Handbook and in the JMSW Field Instruction Manual.

Applicants to the Advanced Standing option must have earned a Bachelor of Social Work degree from a Council on Social Work Education accredited program within the past 10 years, have a GPA in social work courses of 3.5 or better, and provide a recommendation from his/her B.S.W. field supervisor (as one of the three recommendations required).

Degree Program Requirements

Required: 60 credit hours (42 credit hours for the Advanced Standing Option)

Two-Year Option

Year One: Generalist Courses

Year Two: Specialization Curriculum

Year One

First Semester

		Credit Hours
SWK 600	Field Instruction and Seminar I	3
SWK 621	Foundations of Social Work and Social Policy	3
SWK 622	Social Work Practice with Individuals	3
SWK 623	Social Work with Groups	3
SWK 624	Social Work Practice and Human Diversity	3
		Credit Hours
		15

Second Semester

SWK 608	Field Instruction and Seminar II	3
SWK 609	Family Theory and Intervention	3
SWK 618	Social Work and Social Justice	3
SWK 619	Foundations of Clinical Social Work Practice	3
SWK 626	Social Work Research Methods	3
		Credit Hours
		15

Year Two

First Semester

SWK 634	Research Designs and Data Analysis for Social Work Practice	3
SWK 640	Field Instruction III	5
SWK 641	Field Seminar III	1

SWK 652	Advanced Clinical Social Work Practice I	3
Select one 3 credit elective		3
		Credit Hours
		15
Second Semester		
SWK 644	Organizational Context of Clinical Social Work Practice	3
SWK 647	Field Instruction IV	5
SWK 648	Field Seminar IV	1
SWK 653	Advanced Clinical Social Work Practice II	3
Select one 3 credit elective		3
		Credit Hours
		15
		Total Credit Hours
		60

Advanced Standing Option

The 42 credit hour Advanced Standing Option is designed to allow highly qualified students to earn the Master of Social Work degree in one calendar year by building on knowledge and skills previously attained through Bachelor of Social Work coursework.

Required Summer Bridge Courses

Summer Session I

		Credit Hours
SWK 624	Social Work Practice and Human Diversity	3
SWK 632	Social Work with Families and Groups	3
		Credit Hours
		6

Summer Session II

SWK 626	Social Work Research Methods	3
SWK 631	Social Work with Individuals: Theory and Practice	3
		Credit Hours
		6
		Total Credit Hours
		12

Upon successful completion of the above courses during the summer, Advanced Standing students admitted during summer will join the ongoing M.S.W. full-time two-year class in Year 2: Specialization Year Curriculum. At that time Advanced Standing students will take the following courses:

Specialization Curriculum

Year Two

First Semester

		Credit Hours
SWK 634	Research Designs and Data Analysis for Social Work Practice	3
SWK 640	Field Instruction III	5
SWK 641	Field Seminar III	1
SWK 652	Advanced Clinical Social Work Practice I	3
Select one 3 credit elective		3

Credit Hours 15

Second Semester

SWK 648	Field Seminar IV	1
SWK 644	Organization Context of Clinical Social Work Practice	3
SWK 647	Field Instruction IV	5
SWK 653	Advanced Clinical Social Work Practice II	3
Select one 3 credit elective		3

Credit Hours 15

Total Credit Hours 30

School Social Work Licensure

Students intending to become licensed at the graduate level for school social work by the North Carolina Department of Public Instruction need to complete the Licensure Program, which has been developed with the School of Education.

In addition to completing the requirements for the JMSW Program, the student must be admitted to the Teacher Education Program and successfully complete SWK 651 Advanced School Social Work . The advanced year field instruction (SWK 640 Field Instruction III and SWK 647 Field Instruction IV) must be taken in a school social work setting. Graduate licensure in school social work is granted by the North Carolina Department of Public Instruction. Students interested in school social work licensure should contact the school social work coordinator in the Department of Social Work.

Social Work, Ph.D., offered jointly with North Carolina A&T State University

North Carolina Agricultural and Technical State University and the University of North Carolina at Greensboro offers a joint doctoral degree

in social work (JPhD). Grounded in two richly historic universities, one a historically Black college or university (NCATSU) and the other the historical women's college of the University of North Carolina system (UNC Greensboro), the program is built on the cornerstones of diversity, multicultural responsiveness, and community engagement. Students in the program will receive the benefits and privileges of being enrolled on both campuses and the degree will include the seals and official signatures from both universities. The curriculum encourages students to explore several aspects of research including quantitative, qualitative, and community-engaged approaches. Additionally, students are encouraged to use electives to explore other areas or specialization in a particular area. Using the teacher/scholar model, the JPhD program encourages students to prepare for careers in academia and as leaders in the community.

Applicants to the Joint Ph.D. in Social Work must have earned a master's degree in social work from an accredited institution and demonstrate potential for doctoral studies.

In addition to the materials required by The Graduate School, applicants must submit:

- GRE scores (if requesting a waiver, explain why in the personal statement).
- A resume/cv that demonstrates the student's:
 - Education
 - Substantive areas of expertise or interest
 - Professional positions
 - Teaching or training experiences
 - Research or grant experiences
 - Professional publications and presentations
 - Professional affiliations, honors, awards
 - Service
- A personal statement describing their:
 - Professional goals
 - Previous professional/academic experience as evidence of potential for engaging in doctoral-level scholarship
 - Interest in the Joint Ph.D. in Social Work program
 - Research interest they would like to pursue in the doctoral program and a tentative plan for research
- A sample of professional writing that demonstrates intellectual potential such as a:
 - Research proposal
 - Grant application
 - Professional report or publication
- Three academic or professional references that attest to the student's academic ability, nature of work performance, commitment to social work values, and ability to conduct scholarship.
- An interview may be required.

Degree Program Requirements

Required: 48 credit hours

Code	Title	Credit Hours
Required Social Work Courses (15 credits)		
SWK 851	Foundations and Theories of Multiculturally Informed Social Work Research	3

SWK 853	Quantitative Methods in Social Work	3
SWK 854	Qualitative Methods in a Multicultural Context	3
SWK 856	Community-Engaged Research in Social Work	3
SWK 885	Issues and Trends in Social Work	3

Additional Research Requirement (6 credits)

SWK 855	Quantitative Data Analysis in Social Work	3
Select one additional course (3 credits) in research methods, which may be from the following or another similar course: *		

CST 602	Engaging Communication Scholarship II	
ELC 664	Introduction to Qualitative Inquiry: A Social Justice Approach	
ELC 767	Qualitative Data Collection and Analysis	
ERM 645	Culturally Responsive Approaches to Research and Evaluation	
ERM 668	Survey Research Methods in Education	
ERM 680	Intermediate Statistical Methods in Education	
ERM 681	Design and Analysis of Educational Experiments	
ERM 682	Multivariate Analysis	
ERM 731	Structural Equation Modeling in Education	
ERM 732	Hierarchical Linear Modeling	
HHS 650	Applied Multiple Regression	
NUR 701	Statistical Applications for Nursing Research	
NUR 703	Qualitative Methods for Nursing	
NUR 702	Statistical Applications for Nursing Research II	
NUR 756	Respiratory Pathophysiology for Nurse Anesthesia	
PSY 609	Statistical Methods in Psychology I	
PSY 610	Statistical Methods in Psychology II	
SES 760	Single Subject Research Design	
STA 645	Nonparametric Statistics	
STA 670	Categorical Data Analysis	
STA 676	Sample Survey Methods	
TED 738	Mixed Methods Research Design in Curriculum and Instruction	

Electives (12 credits)

Select 12 credits of elective courses **	12
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Dissertation (15 credits)

SWK 799	Dissertation	15
Total Credit Hours		48

* Students should work with their advisor and committee to select coursework that facilitates their dissertation method needs. Additional methods courses taken beyond the required credits may count as part of the electives requirement.

** Students should meet with their advisor to select courses that meet their professional interests and development. Students may select courses from UNC Greensboro and NC A&T to fulfill the electives requirement. SWK 885 Issues and Trends in Social Work may be repeated one time for a total of 6 credits. NC A&T courses that may count as an elective include:

- ADED 716 Research in Adult Education
- COUN 709 Statistics and Research Methods
- COUN 770 Applied Research in Counseling
- COUN 810 Descriptive & Inferential Statistics
- COUN 830 Design Methodology & Implementation
- COUN 865 Analysis of Qualitative Research
- LEST 815 Research Design and Methodology
- LEST 860 Qualitative Research
- LEST 862 Quantitative Research

Qualifying Examination

Once students have completed 18 credits of coursework, they must successfully complete a qualifying process in order to move forward in the program.

Comprehensive Examination

All students must complete a written and oral comprehensive exam after coursework is completed.

Dissertation Proposal and Defense

All students must complete a dissertation proposal, oral defense of the proposal, and an oral defense of the completed dissertation.

Gerontology, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Gerontology, offered as an online program, requires 12 credit hours that must be successfully completed during four academic years. Courses fulfilling the certificate program may be used to meet requirements in a degree program in accordance with the policies of the Graduate School.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by the Graduate School, applicants must submit a personal essay elaborating on their experience and/or interest in working with older adults.

Students wishing to pursue the certificate in gerontology while pursuing a graduate degree should consult with the Gerontology Graduate Coordinator and with the department of interest.

Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
Required Core Courses (9 credits)		
GRO 602	Seminar: Critical Issues of Aging	3
GRO 621	Health and Aging	3
GRO 651	Theoretical Foundations of Aging	3
Elective (3 credits)		

Select 3 credits **	3
Total Credit Hours	12

* Selected under advisement to meet the student's educational objectives.

JOINT SCHOOL OF NANOSCIENCE AND NANOENGINEERING

2907 East Gate City Blvd., Greensboro, NC 27401
336-285-2800
jsnn.ncat.uncg.edu/

Administration

Sherine Obare, *Dean*
Daniel Herr, *Chair*
Dennis LaJeunesse, *Director of Graduate Study*

About

The Joint School of Nanoscience and Nanoengineering (JSNN) is a collaboration of North Carolina A&T State University and The University of North Carolina at Greensboro. JSNN's research and educational programs focus on the emerging areas of nanoscience and nanoengineering. The strengths of the two universities in the basic sciences and in engineering make them ideal partners for this new, interdisciplinary school. JSNN faculty and students will be able to access laboratories and classrooms at NC A&T, UNC Greensboro as well as the leading edge JSNN faculty at the Gateway University Research Park.

Nanotechnology is often referred to as convergent technology because it utilizes knowledge from a diverse array of disciplines including biology, chemistry, physics, engineering, and technology. Nanotechnology is rapidly becoming a large part of the world's economy, generating an array of materials, technologies, and new products. JSNN's Professional Master of Science in nanoscience and PhD in nanoscience degree programs have been developed to meet the need for trained professionals in the emerging high technology industries using nanotechnology.

JSNN has six research focus areas—nanobioscience, nanometrology, nanomaterials (with special emphasis on nanocomposite materials), nanobioelectronics, nanoenergy, and computational nanotechnology. These technical areas will afford numerous opportunities for collaboration with industrial partners.

Mission

The mission of the Nanoscience Department in the Joint School of Nanoscience and Nanoengineering is to prepare students from a variety of backgrounds to conduct interdisciplinary fundamental, applied, and translational Nanoscience research, and support a collaborative research environment that leverages transdisciplinary research platforms.

- Nanoscience, M.S. (p. 618)
- Nanoscience, Ph.D. (p. 619)

Nanoscience, M.S.

The 30 credit hour, non-thesis, online M.S. in Nanoscience follows the Professional Science Master's degree model, featuring coursework in nanosciences and business and an internship to provide practical experience. It is designed for students with strong backgrounds in

technical fields who seek additional specialized training to qualify them for positions in companies that work in the field of nanotechnology.

The on-campus M.S. in Nanoscience Thesis Option is a 30 credit hour program that includes the completion of a 6 credit thesis. Students are expected to start their research project during their first year in the program.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement indicating their interest in the program and a current Curriculum Vitae.

Qualified applicants will have a BS degree in an area related to nanoscience (physics, chemistry, biology, mathematics, computer science, or engineering).

Degree Program Requirements

Required: 30 credit hours

Non-Thesis Option

Code	Title	Credit Hours
Nanoscience Survey Courses (9 credits)		
Select 9 credits from the following:		9
NAN 601	Nanochemistry	
NAN 602	Nanobiology	
NAN 603	Nanophysics	
NAN 604	Nanotechniques	
NAN 605	Mathematical Methods in Nanoscience and Nanoengineering	
Disciplinary Foundation Courses (9 credits)		
Select 9 credits from the following:		9
NAN 609	Nanosafety	
NAN 615	Introduction to Spectroscopy Methods in Nanoscience	
NAN 620	Immunology	
NAN 625	Molecular Biology in Nanosciences	
NAN 626	Introduction to Stem Cell Biology and Ethics	
NAN 630	Advances in Bio-Sensors	
NAN 655	Biometrics and Biomaterials	
Business/Management Courses (9 credits)		
Select 9 credits		9
Internship/Project (Capstone Experience) (3 credits)		
NAN 698	Professional MS in Nanoscience Internship	3
Total Credit Hours		30

Thesis Option

Code	Title	Credit Hours
Fundamentals of Nanoscience Courses/Survey Courses (12 credits)		
Select 12 credits from the following:		12
NAN 601	Nanochemistry	
NAN 602	Nanobiology	
NAN 603	Nanophysics	

NAN 604	Nanotechniques	
NAN 605	Mathematical Methods in Nanoscience and Nanoengineering	
Disciplinary Foundation Courses (6 credits)		
Select 6 credits from the following:		6
NAN 609	Nanosafety	
NAN 615	Introduction to Spectroscopy Methods in Nanoscience	
NAN 620	Immunology	
NAN 625	Molecular Biology in Nanosciences	
NAN 626	Introduction to Stem Cell Biology and Ethics	
NAN 630	Advances in Bio-Sensors	
NAN 655	Biometrics and Biomaterials	
Laboratory Rotation (4 credits)		
NAN 611	Nanoscience Laboratory Rotation	4
Nanoscience Seminar Course (2 credits)		
NAN 621	Professional Development Seminar I	1
NAN 622	Professional Development Seminar II	1
Thesis Credits (6 credits)		
NAN 699	Thesis	6
Total Credit Hours		30

Instrumentation Concentration

The Master of Science in Nanoscience Instrumentation concentration involves coursework on the theory and application of nanoscale characterization and analytical instruments including scanning electron microscopy, optical microscopy techniques, atomic force microscopy, Energy-dispersive X-ray spectroscopy (EDX), and surface analysis tools like the Raman spectroscopy and X-ray photoelectron spectroscopy (XPS). This new Master of Science concentration will train individuals in the theory, operation, and implementation of these instruments in the context of material characterization.

Code	Title	Credit Hours
Core Course in Instrumentation (3 credits)		
NAN 604	Nanotechniques	3
Fundamentals of Nanoscience Courses (6 credits)		
Select two courses (6 credits) from the following:		6
NAN 601	Nanochemistry	
NAN 602	Nanobiology	
NAN 603	Nanophysics	
NAN 605	Mathematical Methods in Nanoscience and Nanoengineering	
Laboratory Rotations (4 credits)		
NAN 611	Nanoscience Laboratory Rotation	4
Nanoscience Seminar Course (2 credits)		
NAN 621	Professional Development Seminar I	1
NAN 622	Professional Development Seminar II	1
Instrumentation Electives (9 credits)		
Select three courses (9 credits) from the following:		9
NAN 615	Introduction to Spectroscopy Methods in Nanoscience	
NAN 623	Optical Microscopy for Nanoscience	
NAN 624	Particle Beam Microscopy for Nanoscience	

NAN 625	Molecular Biology in Nanosciences	
NAN 630	Advances in Bio-Sensors	
Internship (6 credits)		
NAN 698	Professional MS in Nanoscience Internship *	6
Total Credit Hours		30

* 3-credit course taken twice for 6 credits total.

Nanoscience, Ph.D.

The Ph.D. in Nanoscience requires a minimum of 60 credit hours and is designed to prepare students to take positions in industrial, governmental, or academic research settings by providing a solid background in nanoscience theory and experimental techniques through course work and dissertation research. Advanced elective courses in nanoscience areas ensure students will have substantial depth of understanding in their area of interest and enable them to effectively carry out advanced nanoscience research.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement indicating their interest in the program and a current Curriculum Vitae.

Qualified applicants with a B.S. degree in an area related to nanoscience (physics, chemistry, biology, mathematics, computer science, or engineering) and, as a minimum, completed calculus through differential equations may apply to the Ph.D. program.

Degree Program Requirements

Required: 60 credit hours

Code	Title	Credit Hours
Fundamentals of Nanoscience Courses (15 credits)		
NAN 601	Nanochemistry	3
NAN 602	Nanobiology	3
NAN 603	Nanophysics	3
NAN 604	Nanotechniques	3
NAN 605	Mathematical Methods in Nanoscience and Nanoengineering	3
Laboratory Rotations (4 credits)		
NAN 611	Nanoscience Laboratory Rotation	4
Professional Development Seminars (2 credits)		
NAN 621	Professional Development Seminar I	1
NAN 622	Professional Development Seminar II	1
Advanced Nanoscience Electives (15 credits)		
Select 15 credits of electives		15
Dissertation (24 credits)		
NAN 799	Nanoscience Dissertation Research	24
Total Credit Hours		60

Laboratory Rotations

In the first two semesters of study, students will rotate through four research labs (seven weeks in each lab, for 4 credits of NAN 611 in total) to become familiar with research at JSNN and to provide training

in laboratory techniques needed for dissertation research. With the advice of the advisor/committee and permission of the faculty member responsible for the lab, students will select labs based on their interests.

Qualifying Examination

Students will take a qualifying exam on their knowledge of the fundamentals of nanoscience at the end of their first year of full-time enrollment or no later than the completion of 18 credits. Students must successfully pass the qualifying exam in order to continue in the Ph.D. program.

Advanced Nanoscience Electives

Students will select 15 credits of doctoral (700-level) elective courses from the following areas: physics, chemistry, nutrition, engineering, mathematics, computer science, biology, and environmental science. Students may substitute NAN 799 Nanoscience Dissertation Research for 6 credits of electives with the consent of the student's advisor/committee.

Preliminary Examination

Written and oral preliminary examinations of the student's knowledge of the specialization area and of research methods, design, and statistical analyses must be passed prior to commencing the dissertation.

Dissertation Research

By the end of the first year, students will select a dissertation advisor with the objective of preparing a dissertation proposal by the end of the second year. Students will present their proposals to a general JSNN audience in the form of a seminar and defend the proposal in the form of an oral exam.

Dissertation research begins in the second year and students will take a minimum of 3 credits of dissertation research each semester.

Students will complete a written dissertation of their research and give a public oral presentation of the completed work. The defense must occur in the same term that the student applies for graduation.

Students entering the Ph.D. with a M.S.

For students continuing from the M.S. program at UNC Greensboro, only courses with grades of B or better may count toward the Ph.D. degree; grades below B in courses that were counted toward the M.S. degree must be replaced by either re-taking the same course or by earning a grade of B or better in another course that the Nanoscience Director of Graduate Study formally determines to be an equivalent course (upon consultation with the instructor(s) of the course in the School of Nanoscience).

Students who completed their M.S. in Nanoscience at UNC Greensboro will have already completed the majority of the required Fundamentals of Nanoscience, Laboratory Rotations, and Professional Development Seminars. Therefore, their program of study will include primarily Advanced Nanoscience Electives and Dissertation Research credit hours.

Students who receive an M.S. from another institution will submit syllabi, thesis document, and other materials for review to determine the portability of their MS degree. Typically, students earn credit for the M.S. degree and must complete remaining Ph.D. requirements and a minimum of 30 credit hours at UNC Greensboro.

A minimum of 60 credits (inclusive of the M.S.) are required for the Ph.D. degree.

Accelerated B.S. in Physics to Ph.D. in Nanoscience

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Physics may apply for admission to the Accelerated Degree Program (ADP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Students must also maintain a 3.5 GPA in the courses listed under Major Requirements and Additional Area Requirements in the Undergraduate Bulletin. Applicants will be required to take the Graduate Record Examination (GRE) during the second semester of their junior year. Applicants must have completed at least 60 credits before applying for admission to the ADP. During the summer after their junior year applicants will submit the Request for Accelerated Degree Program to The Graduate School, and simultaneously apply for admission to the graduate degree program.

Admitted students may apply the following 12 credits of graduate-level coursework toward completion of both the undergraduate and graduate degree, provided that they earn a grade of "B" (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
NAN 601	Nanochemistry	3
NAN 602	Nanobiology	3
NAN 603	Nanophysics	3
NAN 605	Mathematical Methods in Nanoscience and Nanoengineering	3

Degree Program Requirements

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Ph.D. in Nanoscience remain the same.

SCHOOL OF NURSING

112 Moore Nursing Building
336-334-5400
<http://nursing.uncg.edu>

Administration

Robin E. Remsburg, *Dean*

Heidi V. Krowchuk, *Associate Dean for Academic Programs, Director of Graduate Study for Master's Degree Programs*

Lynne P. Lewallen, *Associate Dean for Academic Affairs*

Debra Wallace, *Senior Associate Dean for Research and Innovation*

Robin Bartlett, *Director of Graduate Study for the Ph.D. Program*

Mollie Aleshire, *Director of Graduate Study for the D.N.P. Program*

Jacqueline DeBrew, *Director of the RN-B.S.N. Program*

Catherine Sykes, *Director of the Pre-licensure B.S.N. Program*

Mission

The mission of the UNC Greensboro School of Nursing is to make a difference in the lives of nursing students and the communities it serves by being inclusive, collaborative, and responsive. The School of Nursing is a:

- Learner-centered community preparing nursing generalists, specialists, and researchers through campus, distance, and online programs.
- Scholarly community advancing knowledge through collaborative research that will enhance the discipline of nursing and health of persons across the lifespan.
- Source of leadership to meet regional and global nursing and healthcare challenges.
- Diverse school integrating intercultural and international perspectives into learning, inquiry, and service.

The School of Nursing offers an undergraduate program leading to the Bachelor of Science in Nursing degree. The first two years of study are in general education, basic sciences, humanities, and basic nursing. The majority of work in the junior and senior years is in nursing.

The School of Nursing offers a Master of Science in Nursing degree to prepare persons for a leadership role in nursing education and administration. The School, along with the Bryan School of Business and Economics, offers the M.S.N./M.B.A. The School of Nursing offers the Doctor of Nursing Practice to prepare advanced practice nurses and executive nurse leaders. The School of Nursing offers the Ph.D. in Nursing to prepare nurses as scientists in academia and industry.

Philosophy

The philosophy of the faculty at the School of Nursing is a statement of the beliefs and values they hold about the discipline and profession of nursing, as well as nursing education. The conceptual framework and the goals of the undergraduate and graduate programs are built upon this philosophy. Nursing is both a practice discipline and a profession. Comprising the discipline is a unique body of knowledge that is integral to nursing practice, nursing education, and nursing administration. The body of knowledge is continuously developed and refined as an outcome of scientific, historical, philosophical, and ethical inquiry. Nursing knowledge is generated about health experiences and behaviors of persons across the life span. Testing and validation of interventions used in nursing practice generates evidence to support best practices.

The metaparadigm concepts of person, environment, health, and nursing form the foundation upon which inquiry and the profession are based.

Nurses use knowledge developed by the discipline to promote optimal health in people and to achieve professional goals. Nursing is an essential component of the health care delivery system and includes the promotion of wellness, the detection of alterations in health, and the provision of care for those with illness, disease, or dysfunction. Professional nursing is characterized by inquiry, caring, and practice. Nurses are professionally, ethically, and legally accountable for the care they provide, and their practice includes independent and collaborative functions.

Nursing education is built upon a foundation of a broad general education and professional nursing curriculum that provides opportunities for learners to attain knowledge and competencies required to practice nursing. Mature learners identify their own learning needs and assume responsibility for continued learning. Effective teachers establish a learner-centered environment that promotes collaboration among themselves and their learners for achievement of educational goals. Baccalaureate education prepares nurses to practice as generalists, while specialty education at the master's level prepares nursing administrators and educators. At the doctoral level, nurses are prepared as scientists to practice in academia and industry and as advanced practice nurses for delivery of healthcare.

Undergraduate

About

The School of Nursing offers a pre-licensure undergraduate program leading to the Bachelor of Science in Nursing Degree. The first two years of study are in general education, basic sciences, and humanities. The majority of the work in the junior and senior years is in nursing. A Veterans' Access Program (VAP) is also offered, leading to the Bachelor of Science in Nursing degree. The School also offers a Registered Nurse to B.S.N. program, where licensed RNs prepared at the diploma or associate degree level can earn a Bachelor of Science in Nursing.

Accreditation

The pre-licensure program offered by the School of Nursing is approved by the North Carolina Board of Nursing.

The Bachelor of Science in Nursing program at UNC Greensboro is accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>).

Please see complete details on School of Nursing admission, policies, requirements, programs, and courses, programs, and courses.

Graduate

About

The School of Nursing offers the Master of Science in Nursing degree program which is designed to prepare persons for leadership roles in nursing education and administration. The School of Nursing also offers two Doctoral degrees—the Doctor of Nursing Practice and the Doctor of Philosophy. The Doctor of Nursing Practice program is designed to prepare advanced practice clinicians and executive nurse leaders. The Doctor of Philosophy program prepares nurse scientists for roles in academia and industry. Admission by The Graduate School does not guarantee admission to a specific concentration.

Accreditation(s)

The Master of Science of Nursing and the Doctor of Nursing Practice programs at UNC Greensboro are accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>).

The Nurse Anesthesia concentration of the Doctor of Nursing Practice program is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs, 222 South Prospect Ave., Suite 304, Park Ridge, IL 60068-4010, phone 847-655-1160, (<https://catalog.uncg.edu/nursing/%20http://home.coa.us.com>)<http://coacrna.org>.

Graduate Programs

- Post-Baccalaureate Certificate in Nursing, Nursing Administration, or Nursing Education (12-15)
- Master of Science in Nursing, M.S.N. with Nursing Administration concentration (37) or Nursing Education concentration (38)
- Master of Science in Nursing/Master of Business Administration, M.S.N./M.B.A. in Health Management (62) *[Offered jointly by the School of Nursing and the Bryan School of Business and Economics.]*
- Doctor of Nursing Practice, D.N.P. with Adult/Gerontological Primary Care Nurse Practitioner concentration, Post-Baccalaureate (73); Nurse Anesthesia concentration, Post-Baccalaureate (107); or Post-Master (30)
- Doctor of Philosophy, Ph.D. in Nursing (57)

Enrollment Requirements for All Graduate Nursing Students

- Evidence of current liability insurance coverage appropriate to concentration or program.
- A three hour chemistry course for anesthesia concentration.
- Competency in basic health assessment prior to NUR 651, NUR 713, NUR 771, and NUR 713L.
- Completion of statistics course prior to enrollment in NUR 705 or NUR 715.
- An approved criminal background check prior to enrollment in clinical courses, including NUR 614, NUR 651, NUR 713, NUR 771 Clinical Practicum in Nurse Anesthesia I, NUR 713L, NUR 742, and NUR 790.
- Satisfactory completion of Advanced Cardiac Life Support (ACLS) for anesthesia students. All other concentrations require Basic Life Support (BLS) prior to enrollment in clinical practica.
- Evidence of all immunizations identified on Parts A and B of the UNC Greensboro Health History and Immunization Form, excluding the meningococcal vaccine.
- Other requirements, for example, influenza vaccine and drug screens, may be necessary to meet contractual agreements with affiliating clinical agencies.

Prior to enrollment in directed research, clinical courses, internships, or project/thesis/dissertation coursework, students must provide evidence of current unrestricted North Carolina licensure as a registered nurse or unrestricted RN licensure in a state covered by the multi-state Nurse Licensure Compact. Students who are residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.

Students should provide evidence of nursing licensure, and BLS to the School of Nursing Office of Student Affairs and evidence of health history and immunizations to the UNC Greensboro Student Health Services. Copies of all records, including immunizations, should be retained by the

student to submit to the School of Nursing credentialing system prior to enrollment in clinical courses.

Students are responsible for all costs associated with their own health care. Students are required to have health insurance through a private source or through the option offered by the University.

Physical and/or Emotional Problems That Do Not Respond to Treatment

Students can be dismissed from the School of Nursing for physical and/or emotional problems that do not respond to appropriate treatment and/or counseling within a reasonable period of time.

Investigation and Evaluation

When faculty members identify a student who presents physical and/or emotional problems that do not respond to appropriate treatment and/or counseling, they immediately suspend the student from the course. Faculty notify the Course Chair and/or Program Director within the School of Nursing. Upon determination by the faculty, Course Chair and Program Director, that the physical and/or emotional problems warrant dismissal from the School of Nursing, the Dean will be notified.

The Dean, in consultation with the faculty, and upon review of the documentation, will make a decision regarding recommending dismissal of the student from the School of Nursing.

The Dean of Nursing will send to the Vice Provost for Graduate Education, written notification of the recommendation. If the Dean of Nursing recommends dismissal from the School of Nursing, the Vice Provost of the Graduate School will notify the student. Should the student wish to appeal the decision, the student will submit a written request to the School of Nursing Appeals Committee. The Dean of Nursing will provide to the committee the accumulated correspondence or documentation related to the issue.

A request for an appeal should occur within seven working days of written notification of the decision from the Vice Provost for Graduate Education.

Hearing Process

The chairman of the School of Nursing Appeals Committee will thereafter notify the student, the faculty member, Course Chair and Program Director as to the time and place for a hearing to determine whether the physical and/or emotional problems warrant dismissal.

The Committee will hold a closed hearing within ten days at which time the faculty member, Course Chair and Program Director will be present and will provide documentation and other oral or written evidence regarding the incident. The student will be present and will be given an opportunity to provide documentation and other oral or written evidence regarding the problem. The student will be allowed an advocate/support person at the hearing; however, the support cannot speak and cannot be an attorney.

Following the factual presentation, the Committee will convene in executive session to determine whether the problem warrants dismissal from the School.

The Committee shall make its recommendation in writing to the Dean of Nursing and forward pertinent documentation. The Committee may recommend dismissal from the School of Nursing major, or reinstatement in the program.

Post Hearing Process

The Dean of Nursing may accept, reject, or modify the Committee's recommendation. The Dean's decision will be made after review of the minutes of the hearing and report to the Committee. If the Dean of Nursing accepts the Committee's recommendation to dismiss the student from the School of Nursing, the recommendation will be forwarded to the Vice Provost for Graduate Education who will notify the student. The Dean of Nursing will notify the faculty member(s) as to the determination.

A student who has been dismissed may reapply for admission to the School of Nursing.

Policy on Unsafe Practice

The nursing faculty of the School of Nursing have an academic, legal, and ethical responsibility to prepare graduates who are competent as well as to protect the public and health care community from unsafe nursing practice. It is within this context that students can be disciplined or dismissed from the School of Nursing for practice or behavior which threatens or has the potential to threaten the safety of a client, a family member or substitute familial person, another student, a faculty member, or other health care provider.

Student Awareness

All students are expected to be familiar with the principles of safe practice and are expected to perform in accordance with these requirements. Within courses, counseling and advising processes, and other instructional forums, students will be provided with the opportunity to discuss the policy and its implications.

Definition

An unsafe practice is defined as:

An act or behavior of the type which violates the North Carolina Nursing Practice Act, Article 9 of Chapter 90 of the North Carolina General Statutes (NCGS 90-171.37; 90-171.44).

An act or behavior of the type which violates the Code of Ethics for Nurses of the American Nurses Association.

An act or behavior which threatens or has the potential to threaten the physical, emotional, mental or environmental safety of the client, a family member or substitute familial person, another student, a faculty member or other health care provider.

An act or behavior (commission or omission) which constitutes nursing practice for which a student is not authorized or educated at the time of the incident.

Investigation and Evaluation of an Unsafe Practice

When an incident occurs which a faculty member believes may constitute an unsafe practice, he/she shall immediately notify the student and instruct the student to leave the clinical setting. The faculty member will notify the Course Chair and/or Program Director within the School of Nursing.

The Course Chair and/or Program Director will investigate the incident within three working days to determine whether there are grounds for believing that an unsafe practice has occurred. If the incident is minor, the faculty member, in consultation with the person named above, may require remedial work or instruction for the student. If the incident is major, or serial in nature, the Course Chair or Program Director will notify the Dean.

The Dean, in consultation with the involved faculty members, will review the student's clinical performance evaluation(s), academic record and potential for successful completion of the major in nursing. Based upon this careful and deliberate review, a decision to reprimand the student, require withdrawal from the clinical course, or to recommend dismissal of the student from the School of Nursing will be made. The Dean of Nursing will send written notification of the decision to reprimand or to require withdrawal from the clinical course to the student. If the Dean of Nursing recommends dismissal from the School of Nursing, the recommendation will be forwarded to the Vice Provost for Graduate Education for approval and notification of the student.

Should the student wish to appeal the decision, the student will submit a written request to the School of Nursing Appeals Committee. The Dean of Nursing will provide to the Committee the accumulated correspondence documentation related to the issue.

A request for an appeal should occur within seven working days of written notification of the decision from the Dean of Nursing or the Vice Provost for Graduate Education.

Hearing Process

The Chair of the School of Nursing Appeals Committee will thereafter notify the student, the faculty member, Course Chair and Program Director as to the time and place for a hearing to determine whether an unsafe act or behavior occurred and, if so, what resolution to recommend.

The Committee will hold a closed hearing within ten days at which time the faculty member, Course and Program Director will be present and will provide documentation and other oral or written evidence regarding the incident. The student will be allowed an advocate/support person at the hearing; however, the support person cannot speak at the hearing and cannot be an attorney.

Following the factual presentation, the Committee will convene in executive session to determine whether an unsafe practice occurred and to recommend a resolution to the incident. The Committee will base its recommendation on the evidence presented at the hearing.

The Committee shall make its recommendation in writing to the Dean and forward pertinent documentation. The Committee may recommend the following remedies: no finding of an act of unsafe practice; a reprimand to the student; or dismissal from the School of Nursing major.

Post Hearing Process

The Dean of Nursing may accept, reject, or modify the Committee's recommendation. The Dean's decision will be made after review of the minutes of the hearing and report to the Committee. If the Dean of Nursing accepts the Committee's recommendation to dismiss the student from the School of Nursing, the recommendation will be forwarded to the Vice Provost for Graduate Education for approval and notification of the student. The Dean of Nursing will notify the faculty member(s) as to the determination.

A student who has been dismissed may reapply for admission to the School of Nursing.

Appeal of Policies

If a student wishes to appeal a policy in the School of Nursing, the student should complete a "Student Appeal Request." The Student Appeals Committee hears student appeals. Students may obtain the request form and discuss the appeals process with the Chair of the

Committee, the Associate Dean for Academic Programs, the Director of the DNP Program or the Director of the PhD Program.

Readmission After Withdrawal

Any student who is withdrawn or withdraws from the program must apply for readmission through normal admission procedures.

Adult Health Nursing

Professor

Nancy Hoffart, *Professor and Forsyth Medical Center Distinguished Professor*^G

Susan Ann Letvak, *Professor and Eloise Lewis Excellence Professor*^G

Pamela Johnson Rowsey, *Professor and Eloise Lewis Excellence Professor*^G

Associate Professor

Elizabeth Ruth Van Horn^G

Clinical Associate Professor

Susan K-R Collins^G

Cathy Illman Sykes^G

Assistant Professor

Cynthia Bacon^G

Stephanie Pickett^G

Clinical Assistant Professor

Lindsay Lyerly Draper^G

Crystal Dawn Lamb

Nancy C. Shedlick^G

Deb Stanford

Linda Ann Stone^G

Peggy A Trent^G

Terry C Wicks^G

Visiting Assistant Professor

Angela M. Kabbe^G

Clinical Instructor

Brandi Katherine Apple

Zaneta L. Dickens

Gabriel Eric Montague

Aimee Gray Motley

Lecturer

Darlene Pardue Bristow

Dale D Callicutt

Tamara Johnson Caple

Kyle Walker Elliott^G

Debra Brown New

April Charice Pearson

Lesa Turner Smith

Family and Community Nursing

Professor

Laurie M Kennedy-Malone (Dr.)^G

Lynne P. Lewallen^G

Robin Elaine Remsburg^G

Ratchneewan Ross, *Professor and Cone Health Distinguished Professor*^G

Debra C. Wallace, *Daphne Doster Mastroianni Distinguished Professor*^G

Clinical Professor

Kay J. Cowen

W. Richard Cowling^G

Associate Professor

Heidi Vonkoss Krowchuk^G

Audrey Elizabeth Snyder^G

Clinical Associate Professor

Mollie E Aleshire^G

Thomas P McCoy^G

Assistant Professor

Deborah Ann Lekan^G

Timothy Joseph Sowicz^G

Clinical Assistant Professor

Judith A Adams^G

Tammie Lynette Gainey^G

Sarah Grenon

Carrie Ann Hill^G

Carolyn C Hoskins^G

Rebecca Ashley Kalinoski^G

Shuying Sha Sha^G

Cheryl Arcuni Wicker^G

Clinical Instructor

Sandra V Blaha

Tammy Faye Hall

Lori J Hubbard

Susan L. Michels

Jennifer Lauren Wilson

Lecturer

Josh Ryan Borders^G

Tara Anne Cleary^G

Eric Anthony Gill

Linda Dale Lamberson

Kathryn Marie Lawrence^G

Betsy B. Lehman^G

Jamison Y Lord

Clifton B Parker

Rachel Oliver Smith

Katie Scott Wingate^G

^G *Graduate-level faculty*

- Nursing, B.S.N. (p. 625)
- Health Management, M.S.N./M.B.A. (p. 471)
- Nursing, M.S.N. (p. 634)
- Doctor of Nursing Practice, D.N.P. (p. 635)
- Nursing, Ph.D. (p. 638)
- Nursing, Nursing Administration, or Nursing Education, Post-Baccalaureate Certificate (p. 639)

* *The Health Management, M.S.N./M.B.A. is jointly offered by the School of Nursing and the UNCG M.B.A. Program in the Bryan School of Business and Economics.*

Nursing Disciplinary Honors

Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro GPA of 3.30 or higher at graduation with grades of at least B (3.0) in all Honors course work.

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
Select 6-9 credits from the following:		6-9
NUR 493	Honors Work	
	Any 400-level NUR course	
<i>Pre-Licensure Program Course Options</i>		
NUR 310	Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan	
NUR 320	Nursing Care of Individuals with Chronic Physiological Problems	
NUR 330	Global Perspectives on the Health of Women	
NUR 340	Health and Illness in Infants, Children and Adolescents	
NUR 345	Basic Health Management of Children	
NUR 360	Childbearing and Reproductive Health	
NUR 390	Culture and Health Care	
NUR 405	Pharmacology in Nursing	
NUR 410	Health and Illness in Older Adults	
NUR 415	Nursing Leadership and Management	
NUR 420	Population Health Nursing	
NUR 430	Nursing Care of Individuals with Acute Physiological Problems	
NUR 450	Evidence-Based Practice and Nursing Research	
<i>RN to B.S.N. Program Course Options</i>		
NUR 330	Global Perspectives on the Health of Women	
NUR 345	Basic Health Management of Children	
NUR 370	Concepts of Professional Nursing	
NUR 371	Nursing Health Assessment	
NUR 390	Culture and Health Care	
NUR 405	Pharmacology in Nursing	
NUR 470	Community Health Nursing Concepts and Care	
NUR 471	Nursing Care of the Older Adult	
NUR 472	Nursing Leadership and Management	
NUR 473	Nursing Research	
Optional		1-3
	Select 1-3 credits of other Honors course work	

Recognition

Students who complete Disciplinary Honors receive a Certificate of Disciplinary Honors in Nursing and have that honor, along with the title of their Senior Honors Project, noted on their official transcripts. Students who complete both General-Education Honors and Disciplinary Honors are distinguished for special recognition and receive a Certificate of Full University Honors in Nursing.

Honors Advisor

Contact Leslie Davis at lldavis4@uncg.edu for further information and guidance about Honors in Nursing. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Nursing, B.S.N.

112 Moore Nursing Building
336-334-5400
<http://nursing.uncg.edu>

The School of Nursing offers an undergraduate program leading to the Bachelor of Science in Nursing Degree. The first two years of study are in general education, basic sciences, and humanities. The majority of the work in the junior and senior years is in nursing. A Veterans' Access Program (VAP) is also offered, leading to the Bachelor of Science in Nursing degree. The School also offers a Registered Nurse to B.S.N. program, where licensed RNs prepared at the diploma or associate degree level can earn a Bachelor of Science in Nursing.

Accreditation

The pre-licensure Bachelor of Science in Nursing program offered by the School of Nursing is approved by the North Carolina Board of Nursing.

The Bachelor of Science in Nursing program at UNC Greensboro is accredited by the Commission on Collegiate Nursing Education (CCNE) (<http://www.ccneaccreditation.org>).

Admission and Progression

Admission for Pre-licensure Students

Students must be formally admitted to the School of Nursing which is an upper division major. Only students who have formal, written acceptance into the School will be permitted to register in nursing courses and complete work for the major. Admission should normally be sought during the sophomore year. The application deadline is February 1 of each year. Applications are obtained from the Advising Center in the School of Nursing. Transcripts from all post-secondary schools attended must be submitted with the application.

Technical Standards for Academic Progression, and Graduation in the B.S.N. Pre-licensure Nursing Program

Consistent with its mission and philosophy, the School of Nursing at The University of North Carolina at Greensboro is committed to providing educational opportunities to students. The School of Nursing programs prepare students to think critically and practice nursing competently and compassionately in rapidly changing practice environments. All efforts are designed to build nursing knowledge, enhance nursing practice and patient safety, foster professional integrity, and ultimately improve the health outcomes of individuals, families, groups, and communities across the continuum of care.

In addition, certain functional abilities are essential for the delivery of safe, effective nursing care. The technical standards listed below must be met by all students in order to remain in the program. In the event that a student is unable to meet these technical standards, with or without reasonable accommodations, the student will not be allowed to remain enrolled in or to graduate from the program.

Communication Skills

- Sufficient skills to communicate effectively and sensitively with patients, family members and other members of the health care team
- Sufficient skills to convey or exchange information at a level allowing development of a health history, identifying problems, explaining alternative solutions; teaching, directing, and counseling during treatment and post-treatment
- Sufficient skills to communicate in ways that are safe and not unduly alarming to patients, family members, and other members of the health care team

Cognitive, Conceptual, and Quantitative Skills

- Sufficient skills to read and understand written documents in English
- Sufficient skills in problem solving including measurements, calculation, reasoning, analysis, and synthesis
- Sufficient skills to comprehend three-dimensional and spatial relationships

Motor Skills

- Sufficient skills to execute movements required to provide general care and treatment to patients in all health care settings
- Sufficient skills include gross and fine motor skills, physical endurance, physical strength and mobility to carry out nursing procedures, perform basic laboratory tests, and provide routine and emergency care and treatment to patients
- Sufficient stamina to complete a typical nurse’s clinical assignment, including working a 12-hour shift.

Behavioral Skills

- Sufficient skills to relate to patients, family members, other members of the health care team and colleagues with honesty and integrity, and with nondiscrimination
- Sufficient skills for the development of a mature, sensitive and effective therapeutic relationship with clients
- Sufficient skills to adapt to changing environments, to display flexibility and to learn to function in the face of uncertainties inherent in the clinical problems of many patients
- Sufficient skills reflecting an ethical behavior, including adherence to the professional nursing code of ethics and student academic integrity policy

Sensory/Observation Skills

- Sufficient skills to observe and learn from demonstrations in the clinical skill laboratory course, from demonstrations in the patient care areas, and observations of the patient and the patient’s environment
- Sufficient skills to perform health assessments and interventions; observe diagnostic specimens; and obtain information from digital, analog, and waveform representations of physiologic phenomena to determine a client’s condition

Process for Requesting Reasonable Accommodation

Optional Disclosure Prior to Admission

Candidates for admission to the School of Nursing are not required, prior to admission, to disclose that they will require reasonable accommodations in order to meet the Technical Standards. Candidates may, however, voluntarily disclose prior to admission the fact that they will require reasonable accommodations to meet the Technical Standards. If the student elects voluntarily disclosure before admission,

this information will not be considered by the university on the question of whether the student should be admitted. Instead, assuming the student is admitted, the information will be used after admission to determine whether the student will be provided any requested accommodations pursuant to the process described below.

Disclosure After Admission

If the student requests a reasonable accommodation in a timely fashion, an interactive process involving the student, Associate Dean for Academic Programs in the School of Nursing, relevant faculty members and the Office of Accessibility Resources and Services will be commenced to determine what, if any, accommodations will be provided to the student.

In all cases where a student has requested an accommodation in a timely fashion, the student must cooperate with the Associate Dean for Academic Programs in the School of Nursing and Office of Accessibility Resources and Services in an interactive process to determine whether the student is qualified for accommodations and what, if any, accommodations will be provided pursuant to applicable laws. The Office of Accessibility Resources and Services will assist the student in coordinating documentation and evaluation of the student, which may include asking the student to provide requested documentation of a qualified disability.

No accommodation will be offered that would jeopardize the safety of patients or clients or the university student. No accommodation will be offered that would fundamentally alter or substantially compromise these technical standards or any other academic standards deemed essential to graduation by the university, including all course work, fieldwork, clinical practica, and internships.

Minimum Criteria for Admission

Students may not enroll in required nursing courses without being admitted to the School. Application for admission is possible while students are still completing the prerequisite courses, but unconditional admission cannot be granted until admission criteria have been successfully completed.

Admission to the university does not guarantee acceptance into the nursing major. Various health care agencies in Piedmont North Carolina cooperate with the School of Nursing in providing clinical learning experiences for students. The size of each incoming junior class is determined by the availability of these clinical resources. Therefore, it is impossible to assure space for every student who meets the criteria.

1. GPA		
Overall grade point average of 3.0 or higher		
2. Minimum grade		
A grade of C (2.0) or better in each of the courses listed below.		
Code	Title	Credit Hours
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory	
or KIN 291	Clinical Human Anatomy	
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	
or KIN 292	Clinical Human Physiology	
BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory	
CHE 104	General Descriptive Chemistry II	

HDF 211	Human Development Across the Life Span
NTR 213	Introductory Nutrition
PSY 121	General Psychology
STA 108	Elementary Introduction to Probability and Statistics

Select one of the following:

ATY 100	Contemporary Non-Western Cultures
RCO 215	Residential College Seminar in Social and Behavioral Studies
SOC 101	Introduction to Sociology
SOC 202	Social Problems in Global Context

Select one of the following:

PHI 121	Contemporary Moral Problems
PHI 220	Medical Ethics
RCO 203	Residential College Seminar in Philosophical/Religious/Ethical Principles

3. Repeat

No more than two of the above prerequisite courses may be repeated to earn the minimum required grade or better. Prerequisite courses may be repeated only one time.

Priority Admissions

Priority in admission (subject to space availability) will be granted to students who meet the criteria detailed below.

1. Status

Enter UNC Greensboro as new, first-time freshmen.

2. Cumulative GPA

Earn a cumulative GPA of 3.50 by the end of the third semester.

3. Courses

Complete the items below by the end of the third semester, with a 3.0 (B) or better in each course completed. Courses must be completed at UNC Greensboro.

Code	Title	Credit Hours
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Science Courses

Select all but one of the following:

CHE 104	General Descriptive Chemistry II
BIO 271 & 271L or KIN 291	Human Anatomy and Human Anatomy Laboratory or Clinical Human Anatomy
BIO 277 & 277L or KIN 292	Human Physiology and Human Physiology Laboratory or Clinical Human Physiology
BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory

Prerequisites

Select at least one of the following:

NTR 213	Introductory Nutrition
STA 108	Elementary Introduction to Probability and Statistics
PHI 121	Contemporary Moral Problems
PHI 220	Medical Ethics
RCO 203	Residential College Seminar in Philosophical/Religious/Ethical Principles

4. Residency

Complete 3 semesters at UNC Greensboro (minimum of 45 credits)

5. Earn a score of 78 or above on the ATI TEAS-V (Test of Essential Academic Skills).

6. Meet all other admission requirements for the upper division nursing major.

Non-Priority Admissions

Students who do not meet the criteria for Priority Admissions above, but who meet the Minimum Criteria for Admission, may still apply for admission.

The process for admission will consider the items listed below.

1. Cumulative GPA for all college-level courses completed
2. Grades earned in the required science, social science, and English courses
3. Grade improvement over time
4. Score on the TEAS-V (Test of Essential Academic Skills)
5. Probability of completing all required courses in the next four semesters
6. Availability of space.

Registered Nurses

RNs interested in completing the B.S.N. degree need to meet the university's requirements for admission. A registered nurse who brings advanced placement may build a minor in order to complete the 120 credits required for graduation.

Registered nurse students must make a C (2.0) or better in the qualifying courses* to be admitted into the 400-level nursing courses. Thirty (30) hours of credit will be awarded to RN–BSN students for completion of associate or diploma nursing courses upon satisfactory completion of the qualifying courses*.

Registered nurse students must provide evidence of current, active, unrestricted RN licensure prior to admission to the required 300-level courses, and must have a current, active, unrestricted North Carolina RN license prior to enrollment in the required 400-level courses.

Registered nurse students who hold unrestricted RN licenses in states covered by the multi-state Nurse Licensure Compact do not need to be licensed separately in North Carolina, unless they become residents of North Carolina. See the NC Board of Nursing website at www.ncbon.com/ (<https://www.ncbon.com/>). The length of time required to complete the program varies with each individual.

* Qualifying Courses:

- NUR 370
- NUR 371

Criteria for Progression in the Major

1. Students must earn a grade of C (2.0) or better in all required 200- to 400-level nursing courses in order to progress and graduate. An overall grade point average of 2.0 or better is required to graduate.
2. Failure to earn a grade of C (2.0) or better will result in immediate dismissal from the School of Nursing.
3. Students in the upper division clinical nursing courses who interrupt their studies for personal or academic reasons for longer than one year must reapply for admission to the upper division. (This item does not apply to RN to B.S.N. students).

4. The required 200- to 400-level courses in the pre-licensure program are designed to be completed in two academic years. Students who voluntarily withdraw from one or more of these required courses are considered to have withdrawn from the program and must apply for readmission prior to enrolling in the next semester.

Grading in Practicum and Laboratory

A grade of unsatisfactory in lab or clinical practicum in nursing courses will result in a course grade of F.

Appeal Procedure Related to Progression Policies

If a student wishes to appeal a policy in the School of Nursing, the student should complete a "Student Appeal Request." The Student Appeals Committee hears student appeals. Students may obtain the request form and discuss the appeals process with the Chair of the Committee or the Associate Dean for Academic Programs. The Student Appeal Request form may be printed from the School of Nursing website, <http://nursing.uncg.edu>.

General Information

1. Substitutions for prerequisite courses may be made with prior approval from the Office of the Associate Dean, School of Nursing.
2. Qualified students are encouraged to take Honors courses in the arts and sciences.
3. All students are encouraged to take either Advanced Placement Exams, Biology Department exemption exam, or CLEP exam for the BIO prerequisite course.*
4. The pre-licensure B.S.N. program is designed to be completed in 9 semesters [four academic years plus one summer] of full-time study. Some students may wish to spread the requirements over 10 semesters, or to attend additional summer school. Depending on the number of transfer hours a student brings to UNC Greensboro, registered nurses may be able to complete the program in 3 semesters of full-time study, but part-time study is also available.
5. A detailed School of Nursing Student Handbook that contains additional information is available on the Web at nursing.uncg.edu.
6. Graduates of the pre-licensure program are eligible to apply for licensure as a registered nurse. Applicants for initial licensure in North Carolina must have a criminal background check. See the website for the NC Board of Nursing (www.ncbon.com/ (<https://www.ncbon.com/>)) for requirements for licensure.

* BIO 111/BIO 111L is a prerequisite for the following:

- BIO 271/BIO 271L
- BIO 277/BIO 277L
- BIO 280/BIO 280L
- KIN 291
- KIN 292

Clinical Information

1. Nursing majors are required to purchase uniforms; estimated cost is \$180. Uniforms are required for clinical activities in the 200- to 400-level nursing courses. Students usually purchase uniforms in the second semester of the sophomore year.
2. Students enrolled in 200- to 400-level courses with a clinical component are responsible for their own transportation to and from the agencies used for clinical activities/practicum experiences. Car owners are reminded that current liability insurance is required by North Carolina law.

3. Students admitted to the major must provide evidence of the following by July 1 (forms will be sent to students earlier in the summer):
 - a. Negative two-step Mantoux skin testing for tuberculosis, followed by annual Mantoux skin testing; or annual Quantiferon blood testing for tuberculosis. If test is positive, a chest X-ray is required annually.
 - b. A tetanus toxoid immunization—every ten years with at least one Tetanus, Diphtheria and Pertussis (Tdap) immunization since age 12 years.
 - c. Rubella and Measles evidence as required by the university
 - d. Evidence of a positive titer for Mumps or evidence of two doses of Mumps vaccine (evidence of 2 MMR is acceptable)
 - e. Evidence of chicken pox immunization or positive titer
 - f. Evidence of Hepatitis B immunization. Students who begin their series of immunizations after January 1, 2007 must also have evidence of a post-vaccination positive titer, or evidence of revaccination, unless they are still in the initial course of immunization. For students in the pre-licensure program, the initial series must be started prior to the first year of clinical, and a positive titer or evidence of beginning the second series of immunization is required prior to the start of the second year of clinical.
 - g. Evidence of immunization against influenza (seasonal flu shot) in the last 12 months or declination form on file in the School of Nursing—annual requirement
 - h. Evidence of certification by the American Heart Association in Health Care Provider cardiopulmonary resuscitation (CPR). Students must remain continuously certified in American Heart Association Health Care Provider CPR.
 - i. Satisfactory evaluation signed by the student's physician, nurse practitioner, or physician's assistant indicating the applicant's physical and emotional health to provide nursing care. Rarely, immunization requirements must be changed on short notice. Students will be informed of changes as soon as they occur.
4. Registered nurse students are responsible for items listed under "General Information", with the following modifications:
 - a. Registered nurses are not required to purchase uniforms, but must wear identifying name tags and lab coats or uniforms appropriate to the clinical setting. Specific requirements will be discussed in each clinical course.
 - b. Immunization requirements listed must be on file in the School of Nursing prior to beginning a clinical course. Forms are sent to students who preregistered for clinical courses. Students who do not preregister and have not received the immunization forms should stop by the Advising Center of the School of Nursing to obtain the forms.
 - c. The letter of physical and emotional health to provide nursing care is not required for Registered Nurse students.

5. Students are responsible for all costs associated with their own health care. On-campus students taking six (6) or more credits are required to have health insurance. Other students are encouraged to have health insurance, and to be familiar with its provisions.
6. Beginning January 1, 2005, all nursing students must have an approved criminal background check prior to beginning clinical activity. For RN to B.S.N. students, results must be submitted prior to beginning the Nursing Practicum course work or any other course with a clinical component (by August 1 for fall semester or December 1 for spring semester). For students in the pre-licensure program, results must be submitted by July 1, prior to enrolling in the required 300-level nursing courses. The university has contracted with Certiphi.com (<http://Certiphi.com>) to perform this service. The cost is to be paid by the student.

The results will be kept in the student's School of Nursing file and will be destroyed upon graduation, withdrawal, or termination from the program. The Assistant Associate Dean for Academic Affairs will receive the results of the criminal background check of each undergraduate student. The School will not use this information in any way except to verify to clinical agencies that students have been subjected to the background check and to release a copy of the information to the agency, if requested. Students must sign two release forms (copies available in the Student Affairs Office), which will authorize the release of the information to the clinical agency, if requested. Directions on obtaining the background check are available in the Student Affairs Office.

This criminal background check does not replace the one that will be done by the N.C. Board of Nursing prior to initial licensure as a registered nurse (see item #5).

7. Beginning July 1, 2009, all students must have a negative urine drug screen by a National Institute of Drug Abuse (NIDA)-approved lab prior to clinical activity. The screen must test for the following drugs: AMP (amphetamine), BAR (barbiturates), BZO (benzodiazepines), COC (cocaine), THC (marijuana), MTD (methadone), mAMP (methamphetamine), MDMA (ecstasy), OPI (opiate), PCP (Phencyclidine), PPX (propoxyphene), ALC (alcohol), and OXY (oxycodone). In some cases, such as when results are inconclusive, it will be necessary to repeat the test. Note: Many labs in North Carolina are not NIDA-approved. The agency has contracted with Corporate Screening to do the drug screens, although tests from other NIDA-approved labs are acceptable if they screen for all the required drugs. Directions on obtaining the drug screens from Corporate Screening are available in the Student Affairs Office.
8. If none of the clinical agencies under contract with the School of Nursing are willing to allow a student to participate in clinical activities at that agency because of information gathered from urine drug screen testing, background check, or other pre-clinical screening required by clinical agencies, the student will be required to withdraw from the nursing program.

threatens or has the potential to threaten the safety of a client, a family member or substitute familial person, another student, a faculty member, or other health care provider.

Student Awareness

All students are expected to be familiar with the principles of safe practice and are expected to perform in accordance with these requirements. Within courses, counseling and advising processes, and other instructional forums, students will be provided with the opportunity to discuss the policy and its implications.

Definition

An unsafe practice is defined as listed below.

1. An act or behavior of the type which violates the North Carolina Nursing Practice Act, Article 9 of Chapter 90 of the North Carolina General Statutes (NCGS §90-171.37; §90-171.44)
2. An act or behavior of the type which violates the Code of Ethics for Nurses of the American Nurses' Association
3. An act or behavior which threatens or has the potential to threaten the physical, emotional, mental or environmental safety of the client, a family member or substitute familial person, another student, a faculty member or other health care provider
4. An act of behavior (commission or omission) which constitutes nursing practice for which a student is not authorized or educated at the time of the incident.

Investigation and Evaluation of an Unsafe Practice

When an incident occurs which a faculty member believes may constitute an unsafe practice, he/she shall immediately notify the student and instruct the student to leave the clinical setting. The faculty member will notify the Course Chair and/or Program Director within the School of Nursing.

The Course Chair and/or Program Director will investigate the incident within three working days to determine whether there are grounds for believing that an unsafe practice has occurred. If the incident is minor, the faculty member, in consultation with the Course Chair or Program Director may require remedial work or instruction for the student.

If the incident is major, the Course Chair or Program Director, in consultation with the involved faculty member, will review the student's clinical performance evaluations, academic record, and potential for successful completion of the major in nursing. Based upon this careful and deliberate review, a decision to reprimand the student, require withdrawal from the clinical course, or to dismiss the student from the School will be made.

The Dean will be informed of the decision and will send written notification of the decision to the student via certified mail.

Should the student wish to appeal the decision, the student will submit a written request to the School of Nursing Appeals Committee. The Program Director will provide the accumulated correspondence or documentation related to the issue to the committee. A request for an appeal should occur within seven (7) working days of receipt of written notification of the decision from the Dean.

Hearing Process

The Chair of the School of Nursing Appeals Committee will thereafter notify the student, the faculty member, Course Chair, and Program Director as to the time and place for a hearing.

Policies for Nurses

Unsafe Practice Policy

The nursing faculty of the School of Nursing have an academic, legal, and ethical responsibility to prepare graduates who are competent as well as to protect the public and health care community from unsafe nursing practice. It is within this context that students can be disciplined or dismissed from the School of Nursing for practice or behavior which

The Committee will hold a closed hearing within ten (10) working days of receipt of the request for an appeal, at which time the faculty member, Course Chair, and Program Director may be present and provide documentation and other oral or written evidence regarding the incident. The student may be present and will be given an opportunity to provide documentation and other oral or written evidence regarding the incident. The student will be allowed an advocate/support person at the hearing; however, the support person cannot be an attorney, and will not be permitted to speak.

Following the factual presentation, the Committee will convene in executive session to review the actions taken against the student for unsafe practice and to make a recommendation regarding the resolution of the incident. The Committee will base its recommendation on the evidence presented at the hearing. The Committee shall make its recommendation in writing to the Dean and forward pertinent documentation.

The Committee may recommend the following remedies: support for the action taken, remedial work or instruction, a reprimand, withdrawal from the course, or dismissal from the School of Nursing.

Post-Hearing Process

The Dean may accept or reject the Committee's recommendation. The Dean's decision will be made after review of the minutes of the hearing and report of the Committee. The Dean will notify the student and the faculty member(s) as to the decision made.

Dismissal from the School of Nursing does not constitute dismissal from the university.

A student who has been dismissed may reapply for admission to the School of Nursing.

Dismissal of Students Who Present Physical or Emotional Problems That Do Not Respond to Treatment Policy

Students can be dismissed from the School of Nursing for Physical and/or emotional problems that do not respond to appropriate treatment and/or counseling within a reasonable period of time.

Investigation and Evaluation

When faculty members identify a student that presents physical and/or emotional problems that do not respond to appropriate treatment and/or counseling, they immediately suspend the student from the course. Faculty notify the Course Chair and/or Program Director within the School of Nursing. Upon determination by the faculty, Course Chair, and Program Director, that the physical and/or emotional problems warrant dismissal from the School of Nursing, the Dean will be notified. The Dean, in consultation with the faculty, and upon review of the documentation, will make a decision regarding dismissal of the student from the School of Nursing. The Dean will send written notification of the decision to the student. Should the student wish to appeal the decision the student will submit a written request to the School of Nursing Appeals Committee. The Dean will provide the accumulated correspondence or documentation related to the issue to the committee.

A request for an appeal should occur within seven (7) working days of written notification of the decision from the Dean.

Hearing Process

The Chair of the School of Nursing Appeals Committee will thereafter notify the student, the faculty member, the Course Chair, and Program

Director as to the time and place for a hearing to determine whether the physical and/or emotional problems warrant dismissal.

The committee will hold a closed hearing within ten (10) working days at which time the faculty member, Course Chair, and Program Director will be present and will provide documentation and other oral or written evidence regarding the incident. The student will be present and will be given opportunity to provide documentation and other oral or written evidence regarding the problem.

The student will be allowed an advocate/support person at the hearing; however, the support person cannot be an attorney, and will not be permitted to speak.

Following the factual presentation, the Committee will convene in executive session to determine whether the problem warrants dismissal from the School. The Committee shall make its recommendation in writing to the Dean and forward pertinent documentation. The Committee may recommend dismissal from the School of Nursing major, or reinstatement in the program.

Post-Hearing Process

The Dean may accept, reject, or modify the Committee's recommendation. The Dean's decision will be made after review of the minutes of the hearing and report of the Committee. The Dean will notify the student and the faculty member(s) as to the determination.

Dismissal from the School of Nursing does not constitute dismissal from the university.

A student who has been dismissed may reapply for admission to the School of Nursing.

Veteran's Access Program in Nursing

The UNC Greensboro VAP will have three tracks as detailed below.

- One for the non-RN veteran student who wishes to accelerate the program.
- One for the non-RN veteran student who wishes to receive military experience credit for some courses but not accelerate their nursing program.
- One for the RN veteran student in the RN to B.S.N. concentration.

All VAP students will need 122 credit hours to graduate. This may be comprised of transfer credit, credit earned at UNC Greensboro, or credit by competency testing and/or exam; however, 31 credits of course work must be taken at UNC Greensboro.

UNC Greensboro grants 6 credits for military experience and basic training.

VAP students' Joint Services transcript will be assessed individually to determine specific General Education course requirements, using American Council for Education (ACE) principles. This process will be used to determine learning gaps for each VAP student. A learning gap analysis will determine the specific courses for which the veteran may be eligible to receive credit through transfer credit evaluation, competency skills testing, and standardized examination.

Overall VAP requirements for the Nursing major are detailed with the information for the general Nursing major.

Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 676)	
	General Education Core Requirements (GEC) (p. 688)	

Major Requirements

Code	Title	Credit Hours
Major and Related Area Requirements		72
NUR 210	Fundamental Concepts in Nursing *	
NUR 220	Nursing Assessment of Well Individuals *	
NUR 310 & 310L	Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan and Practicum for Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan	
NUR 320 & 320L	Nursing Care of Individuals with Chronic Physiological Problems and Practicum for Nursing Care of Individuals with Chronic Physiological Problems	
NUR 340 & 340L	Health and Illness in Infants, Children and Adolescents and Practicum for Health and Illness in Infants, Children and Adolescents	
NUR 355	Pathophysiology and Pharmacology for Nursing	
NUR 360 & 360L	Childbearing and Reproductive Health and Practicum for Childbearing and Reproductive Health	
NUR 365	Interprofessional Education Seminar	
NUR 375	Nursing Informatics and Technology	
NUR 380	Nursing Skills	
NUR 385	Critical Reasoning	
NUR 410 & 410L	Health and Illness in Older Adults and Practicum for Health and Illness in Older Adults	
NUR 415	Nursing Leadership and Management	
NUR 420 & 420L	Population Health Nursing and Practicum for Population Health Nursing	
NUR 430 & 430L	Nursing Care of Individuals with Acute Physiological Problems and Practicum for Nursing Care of Individuals with Acute Physiological Problems	
NUR 440	Senior Capstone	
NUR 450	Evidence-Based Practice and Nursing Research	
NUR 490	Synthesis of Nursing Concepts	
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory	
or KIN 291 & 291L	Clinical Human Anatomy and Clinical Human Anatomy Laboratory	
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	

or KIN 292 & 292L	Clinical Human Physiology and Clinical Human Physiology Laboratory
BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory
CHE 104 & CHE 110	General Descriptive Chemistry II and Introductory Chemistry Laboratory [†]
HDF 211	Human Development Across the Life Span
NTR 213	Introductory Nutrition [†]
PSY 121	General Psychology ^{†††}
STA 108	Elementary Introduction to Probability and Statistics ^{††††}
<i>Select one of the following:</i>	
PHI 121	Contemporary Moral Problems ^{††}
PHI 220	Medical Ethics ^{††}
RCO 203	Residential College Seminar in Philosophical/Religious/Ethical Principles ^{††}
<i>Select one of the following:</i>	
ATY 100	Contemporary Non-Western Cultures ^{†††}
SOC 101	Introduction to Sociology ^{†††}
SOC 202	Social Problems in Global Context ^{†††}
RCO 215	Residential College Seminar in Social and Behavioral Studies ^{†††}

Qualified

* The course listed requires a 3.0 GPA or higher to enroll.

† Counts toward GEC GNS requirement.

†† Counts toward GEC GPR requirement.

††† Counts toward GEC GSB requirement.

†††† Counts toward GEC GMT requirement.

Completion of both courses in a two-course sequence of Anatomy and Physiology I and II can be used to substitute for Human Anatomy (or Clinical Human Anatomy) and Human Physiology (or Clinical Human Physiology) courses. Completion of one of the two courses can be used to substitute for the Human Anatomy (or Clinical Human Anatomy) requirement.

Completion of a higher level chemistry course, can be used to substitute for General Descriptive Chemistry I and Introductory Chemistry Laboratory. Completion of 2 higher-level chemistry courses and their labs can be used to substitute for General Descriptive Chemistry I, General Descriptive Chemistry II, and Introductory Chemistry Laboratory.

Completion of Psychology 241, Developmental Psychology, from the N.C. Community College System, can be used to satisfy the Human Development Across the Life Span requirement.

Requirements listed above must be completed prior to enrolling in 300-level or 400-level nursing courses. Because of the time commitments involved with the 300- and 400-level nursing courses, and the difficulties in scheduling non-nursing courses concurrently with nursing courses, students should try to have most GEC course requirements completed prior to entering the upper division major.

Credit Earned

May earn credit (30 credits) for completion of diploma or associate degree nursing courses.

Residency Requirement

Students must also meet the Residency Requirement of 31 credits of course work earned at UNC Greensboro. Credit for the Special Examinations does not apply toward the Residency Requirement.

Current License

RN students must hold a current, active unrestricted RN license in North Carolina or in a state covered by the multi-state Nurse Licensure Compact. For questions see the NC Board of Nursing website at www.ncbon.com (<https://www.ncbon.com>).

Optional Concentrations

Any of the optional concentrations as detailed following the major requirements may be added, but a concentration is not required.

- B.S.N. under the Veteran’s Access Program (VAP)
- Nursing Major, R.N. to B.S.N.
- Nursing Major, R.N. to B.S.N. Concentration for 2Plus Students
- R.N. to B.S.N. under the Veteran’s Access Program (VAP)

Electives

Electives sufficient to complete 120 total credit hours required for degree.

B.S.N. under the Veteran’s Access Program (VAP) Concentration Requirements

Required: 120 credit hours, to include at least 36 credits at or above the 300 course level

Code	Title	Credit Hours
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Prerequisite Courses

The same Minimum Criteria for Admission as undergraduates apply.

Prerequisite courses, prior to entering the upper division major, include Anatomy, Physiology, Microbiology

STA 108	Elementary Introduction to Probability and Statistics
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Upper-Division Admission

VAP students will be directly admitted to the upper division of the Nursing major after acceptance into the university and successful completion of pre-requisite course credit.

University Requirements

Completion of other university requirements for the degree. Accelerated students must complete General Education requirements before beginning the Nursing courses. The plan of study for VAP students wishing to accelerate would require credit (by transfer credit and/ or competency testing using national exams) for the courses listed below before starting the three-semester program.

NUR 210	Fundamental Concepts in Nursing
NUR 220	Nursing Assessment of Well Individuals

Upper-Level Courses 41

Satisfactory completion of the required 200- to 400-level courses *

VAP students may be granted credit by successful completion of national examination for 300-level and selected 400-level Nursing courses, based upon individualized assessment.

NUR 210	Fundamental Concepts in Nursing
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NUR 220	Nursing Assessment of Well Individuals
NUR 310	Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan
NUR 320	Nursing Care of Individuals with Chronic Physiological Problems
NUR 340	Health and Illness in Infants, Children and Adolescents
NUR 360	Childbearing and Reproductive Health
NUR 380	Nursing Skills
NUR 410	Health and Illness in Older Adults
NUR 415	Nursing Leadership and Management
NUR 420	Population Health Nursing
NUR 430	Nursing Care of Individuals with Acute Physiological Problems
NUR 440	Senior Capstone
NUR 450	Evidence-Based Practice and Nursing Research

* *Specific related courses in VAP students’ plan of study may be substituted for courses on this list based upon individual assessment.*

Nursing Major, with R.N. to B.S.N. Concentration Requirements

Required: 120 credit hours, to include at least 36 credits at or above the 300 course level

Code	Title	Credit Hours
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Requirements 25

NUR 370	Concepts of Professional Nursing
NUR 371	Nursing Health Assessment
NUR 470	Community Health Nursing Concepts and Care
NUR 471	Nursing Care of the Older Adult
NUR 472	Nursing Leadership and Management
NUR 473	Nursing Research

Select one NUR elective *

* *Example nursing electives include the courses listed below and any 400-level NUR course.*

- NUR 330
- NUR 345
- NUR 405

Nursing Major, with R.N. to B.S.N. Concentration Requirements for 2Plus Students

Required: 120 credit hours, to include at least 36 credits at or above the 300 course level

Students who graduate from associate degree nursing programs that are part of the N.C. Uniform Articulation Agreement are not required to meet the UNC Greensboro General Education Requirements (GEC) in the categories of GSB—Social and Behavioral Sciences (3 credits), Natural Sciences (GNS), or Reasoning and Discourse (GRD). This program of study is congruent with the N.C. Uniform Articulation Agreement.

Students who graduate from diploma nursing programs or associate degree nursing programs that are not part of the Articulation Agreement will be expected to meet requirements for all GEC categories (see

complete GEC requirements and approved course listings). Graduates of foreign nursing programs will be advised on an individual basis.

Code	Title	Credit Hours
Major and Related Area Requirements for all Registered Nurses		28
NUR 370	Concepts of Professional Nursing	
NUR 371	Nursing Health Assessment	
NUR 470	Community Health Nursing Concepts and Care	
NUR 471	Nursing Care of the Older Adult	
NUR 472	Nursing Leadership and Management	
NUR 473	Nursing Research	
<i>Select NUR elective</i>		
STA 108	Elementary Introduction to Probability and Statistics [†]	

[†] Counts toward GEC GMT requirement.

R.N. to B.S.N. under the Veteran's Access Program (VAP) Concentration Requirements

Required: 120 credit hours, to include at least 36 credits at or above the 300 course level

Code	Title	Credit Hours
Required		29
NUR 370	Concepts of Professional Nursing	
NUR 371	Nursing Health Assessment	
NUR 470	Community Health Nursing Concepts and Care [*]	
NUR 471	Nursing Care of the Older Adult [*]	
NUR 472	Nursing Leadership and Management [*]	
NUR 473	Nursing Research [*]	
Select NUR elective ^{**}		3

Footnotes

^{*}Credit may be granted pending transcript review.

^{**}Example nursing electives include the courses listed below and any 500 level NUR course:

NUR 345	Basic Health Management of Children
NUR 390	Culture and Health Care

^{*} Credit may be granted pending transcript review.

^{**} Example nursing electives include the courses listed below and any 400-level NUR course

- NUR 345
- NUR 390

B.S.N. as a Second Degree

Code	Title	Credit Hours
Prerequisite Courses		
The same Minimum Criteria for Admission as undergraduates apply.		
Prerequisite courses, prior to entering the upper division major, include Anatomy, Physiology, Microbiology		
STA 108	Elementary Introduction to Probability and Statistics	

Upper-Division Admission

Second-degree students must also apply for admission to the upper-division major.

University Requirements

Completion of other university requirements for the degree.

Upper-Level Courses 41

Satisfactory completion of the required 200- to 400-level courses

NUR 210	Fundamental Concepts in Nursing
NUR 220	Nursing Assessment of Well Individuals
NUR 310	Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan
NUR 320	Nursing Care of Individuals with Chronic Physiological Problems
NUR 340	Health and Illness in Infants, Children and Adolescents
NUR 360	Childbearing and Reproductive Health
NUR 380	Nursing Skills
NUR 410	Health and Illness in Older Adults
NUR 415	Nursing Leadership and Management
NUR 420	Population Health Nursing
NUR 430	Nursing Care of Individuals with Acute Physiological Problems
NUR 440	Senior Capstone
NUR 450	Evidence-Based Practice and Nursing Research

Health Management, M.S.N./M.B.A.

The combined M.S.N./M.B.A. is offered jointly by the School of Nursing and the Bryan School of Business and Economics and requires a minimum of 62 credit hours.

Please refer to the preceding enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

Applicants must meet the following requirements:

- Current unrestricted licensure as a registered nurse in one of the 50 states or validated credentials by CGFNS for international students. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.
- Minimum of one year full time clinical nursing experience.
- Satisfactory MAT/GRE score.
- A personal statement of 400 words or less that comments on applicant's nursing background and discusses future goals.
- A resume.
- An interview is required for selected applicants. An inferential statistics course and health assessment course at the undergraduate level are required prerequisite courses.

- A minimum of 3.2 GPA is required from the undergraduate nursing program.
- Three professional nursing references (mix of educational and professional sources).
- Nonresidential international students are required to participate in a telephone interview.

Degree Program Requirements

Required: 62 credit hours

Computer Literacy

Upon entry to the M.S.N./M.B.A. in Health Management degree program, students should have a working knowledge of word processing and spreadsheet applications in a PC environment. Familiarity with Excel is required.

Statistics

ECO 250 Economic and Business Statistics I of Pre-M.B.A. workshop in statistics is recommended to meet the program prerequisite for statistics.

Code	Title	Credit Hours
Required Courses (62 credits)		
NUR 540	Financial Management in Healthcare	3
NUR 607	Interprofessional/Interdisciplinary Collaboration and Negotiation	3
NUR 609	The Role of the Nurse Leader in Advanced Quality and Safety	4
NUR 614	Information Technology in Nursing Administration	3
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 641	Leadership and Management Essentials in Healthcare: Theories and Roles	4
NUR 644	Organizational Leadership and Management	4
NUR 645	Strategic Management of Health Care Organizations	4
NUR 646		4
NUR 715	Research Methods in Nursing	3
MBA 701	Quantitative Analysis for Decision Making	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Economic Policies and Impact on Global Outcomes	3
MBA 706	Marketing Management	3
MBA 707	Financial Management	3
MBA 708	Operations for Competitive Advantage	3
MBA 712	Strategic Management	3
MBA 717	Technology and Innovation	3
MBA 741	Creating and Sustaining Competitive Advantage	3
Total Credit Hours		62

Required Withdrawal

Please refer to the Required Withdrawal section listed in the M.S.N. requirements.

Nursing, M.S.N.

The Master of Science in Nursing degree offers two concentrations: Nursing Education and Nursing Administration.

The concentration in Nursing Administration requires 37 credits and is designed to be completed in six semesters of full-time study, beginning in August and ending in May of the final year. The concentration in Nursing Education requires 38 credits and is designed to be completed in seven semesters, beginning in August and ending in December of the final year.

All degree requirements must be met within five academic years of initial enrollment. In addition to courses required for the degree program, students may enroll in independent study courses to enhance their program of study. No foreign language is required.

Please refer to the preceding enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

Applicants must have the following credentials:

- Current unrestricted licensure as a registered nurse in one of the fifty states or validated credentials by CGFNS for international applicants. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.
- Minimum of one year clinical experience full time.
- A personal statement is required for consideration of admission to the Nursing Education Concentration M.S.N. program or post-baccalaureate certificate; the Nursing Administration Concentration M.S.N. program or post-baccalaureate certificate; the post-baccalaureate certificate in nursing.
- An interview is required for selected applicants for the Nursing Education Concentration M.S.N. program or post-baccalaureate certificate; the Nursing Administration Concentration M.S.N. Program or post-baccalaureate certificate; the post-baccalaureate certificate in nursing.
- Nonresidential international students are required to participate in a telephone interview.

Degree Program Requirements

Nursing Administration Concentration

Required: 37 credit hours

Code	Title	Credit Hours
Required Courses (37 credits)		
NUR 540	Financial Management in Healthcare	3
NUR 601	Critique and Utilization of Research in Nursing Administration *	2

NUR 607	Interprofessional/Interdisciplinary Collaboration and Negotiation	3
NUR 609	The Role of the Nurse Leader in Advanced Quality and Safety	4
NUR 614	Information Technology in Nursing Administration	3
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 641	Leadership and Management Essentials in Healthcare: Theories and Roles	4
NUR 644	Organizational Leadership and Management	4
NUR 645	Strategic Management of Health Care Organizations	4
NUR 646		4
NUR 715	Research Methods in Nursing	3
Total Credit Hours		37

* *Capstone Experience*

Nursing Education Concentration

Required: 38 credit hours

Code	Title	Credit Hours
Required Courses (38 credits)		
NUR 551	Integrating Technology in Nursing Education	3
NUR 612	Theoretical Foundations for the Advanced Nurse Educator	3
NUR 615	Curriculum Design and Evaluation in Advanced Nursing Education	3
NUR 616	Pedagogical Strategies for Advanced Nursing Education	4
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 651	Advanced Application of Nursing Concepts in Client Care (in clinical focus area) (in clinical focus area)	4
NUR 653	Advanced Application of Nursing Concepts in Academic Education (in clinical focus area) (in clinical focus area)	3
NUR 708	Pathophys Adv Pract Nursing	3
NUR 713	Advanced Health Assessment and Diagnostic Reasoning	3
NUR 713L	Advanced Health Assessment and Diagnostic Reasoning Skills Lab	1
NUR 709	Pharmacotherapeutics for Advanced Practice Nursing	3
NUR 696	Capstone Course for Advanced Nursing Education Practice *	2
NUR 715	Research Methods in Nursing	3
Total Credit Hours		38

* *Capstone Experience*

Required Withdrawal

Withdrawal from the program will be recommended if the student:

- Fails to register for two consecutive semesters (fall and spring) in the nursing curriculum.
- Has earned a “B-or below” in more than 6 credits of coursework.

- Has earned a “B-or below” in any nursing specialty course.
- Has earned a failing grade in any course.
- Has a GPA that indicates the inability to meet the 3.0 required for graduation.
- Does not complete requirements for the degree within the time limit (5 academic years).

Doctor of Nursing Practice, D.N.P.

Post-Baccalaureate D.N.P.

Adult/Gerontological Primary Care Nurse Practitioner Concentration

The Adult/Gerontological Primary Care Nurse Practitioner concentration for post-baccalaureate students is designed to be completed in 8 semesters beginning in the fall semester and ending in the spring semester of the third year. The concentration requires a minimum of 73 credits and 1,020 advanced practice practicum hours.

Nurse Anesthesia Concentration

The Nurse Anesthesia (CRNA) concentration for post-baccalaureate students is designed to be completed in 9 semesters beginning in the fall semester and ending in the summer of the third year. The concentration requires a minimum of 107 credits and 3,180 advanced practice clinical hours. The Nurse Anesthesia concentration is delivered through a contractual agreement with the Raleigh School of Nurse Anesthesia. Students must be admitted first to UNC Greensboro and then to the Raleigh School of Nurse Anesthesia in order to matriculate in the program.

All degree requirements must be met within seven academic years of initial enrollment. In addition to courses required for the degree program, students may enroll in independent study courses to enhance their program of study. No foreign language is required.

Post-Master's D.N.P.

The Post-Master's D.N.P. program is available to nurses who have a master's degree in Nursing with the specialty of Nursing Leadership/Administration, Clinical Nurse Leader, Clinical Nurse Specialist, Certified Nurse Midwife, Nurse Practitioner, Nurse Anesthetist, or Nursing Informatics. Nurses who have a master's degree in Nursing with the specialty of Nursing Education who have completed the UNC Greensboro School of Nursing 15-credit Post-Baccalaureate Certificate in Nursing with the Nursing Administration specialty are also eligible to apply.

The Post-Master's D.N.P. program is designed to be completed in 5 semesters beginning in the fall semester and ending in the spring semester of the second year. The Post-Master's D.N.P. requires a minimum of 30 credits and 1,000 D.N.P. hours (clinical hours obtained in the master's program are included in the 1,000 hour total). In addition, all Post-Master's D.N.P. students must complete 300 hours of D.N.P. project and D.N.P. essentials work.

All degree requirements must be met within seven academic years of initial enrollment. In addition to courses required for the degree program, students may enroll in independent study courses to enhance their program of study. No foreign language is required.

Post-Baccalaureate D.N.P. applicants must meet the following Application and Admission Requirements:

- Current unrestricted licensure as a registered nurse in one of the 50 states or validated credentials by CGFNS for international students.

Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.

- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.
- Minimum of one year full-time critical care clinical nursing experience for Nurse Anesthesia concentration.
- A personal statement of 400 words or less that comments on applicant's nursing background and discusses future goals.
- A resume.
- An interview is required for applicants.
- An inferential statistics course, a chemistry course, and health assessment course at the undergraduate level are required prerequisite courses.
- A minimum of 3.2 GPA is required from the undergraduate nursing program.
- Three professional nursing references (mix of educational and professional sources).
- Nonresidential international students are required to participate in a telephone interview.

Post-Master's D.N.P. applicants must meet the following Application and Admission Requirements:

- Current unrestricted licensure as a registered nurse in one of the 50 states or validated credentials by CGFNS for international students. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Master's degree in Nursing with the specialty of Nursing Leadership/Administration, Clinical Nurse Leader, Clinical Nurse Specialist, Certified Nurse Midwife, Nurse Practitioner, Nurse Anesthetist, Nursing Informatics from a program accredited by a nationally recognized nursing accrediting agency.
- All APRNs (nurse anesthetist, nurse practitioner, nurse midwife) must hold national certification appropriate to their specialty.
- Applicants with a Master's degree in Nursing with a focus in Nursing Education from a program accredited by a nationally recognized nursing accrediting agency are eligible for admission after successful completion of the UNC Greensboro School of Nursing 15-credit Post-Baccalaureate Certificate in Nursing with the Nursing Administration specialty.
- A personal statement of 400 words or less that discusses the applicant's nursing background and future goals.
- A resume.
- An interview may be required.
- An undergraduate statistics course is a required prerequisite course for the Post Master's D.N.P.
- A minimum of 3.2 GPA is required from the master's nursing program.
- Three professional nursing references (mix of educational and professional sources).
- Nonresidential international students are required to participate in a telephone interview.

Degree Program Requirements

Post-Baccalaureate D.N.P. Adult/Gerontological Primary Care Nurse Practitioner Concentration

Degree Program Requirements

Required: 73 credit hours

Code	Title	Credit Hours
Required Courses (67 credits)		
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 705	Research and Evidence Based Practice	3
NUR 708	Pathophys Adv Pract Nursing	3
NUR 709	Pharmacotherapeutics for Advanced Practice Nursing	3
NUR 709S	Pharmacology Seminar for Adult/Gerontological Nurse Practitioners	1
NUR 713	Advanced Health Assessment and Diagnostic Reasoning	3
NUR 713L	Advanced Health Assessment and Diagnostic Reasoning Skills Lab	1
NUR 714	Informatics in Healthcare	3
NUR 810	Health Promotion and Disease Prevention for Advanced Practice Nursing	3
NUR 811	Primary Care Management of the Adult I for Advanced Practice Nursing	4
NUR 811L	Practicum for Primary Care Management of the Adult I for Advanced Practice Nursing	3
NUR 812	Primary Care Management of the Adult II for Advanced Practice Nursing	4
NUR 812L	Practicum for Primary Care Management of the Adult II for Advanced Practice Nursing	3
NUR 813	Primary Care Management of the Older Adult and Frail Elder	4
NUR 813L	Practicum for Primary Care Management of the Older Adult and Frail Elder	3
NUR 814	Integrated Clinical Management I for the Advanced Practice Nurse in Primary Care	2
NUR 814L	Integrated Clinical Practicum in Primary Care I for the Advanced Practice Nurse	3
NUR 815	Advanced Concepts for Professional Communication in Primary Health Care	2
NUR 815L	Advanced Procedures in Primary Care	1
NUR 816		6
NUR 817	Advanced Practice Nursing for the DNP: Role, Theory, and Practice	3
NUR 818	Biostatistics and Epidemiology Principles for Advanced Practice Nursing	3
NUR 819	Effective Leadership for Practice	3
Capstone Sequence (6 credits)		
NUR 898A	Applied Evidence-Based Practice & Translational Methods Project I	1
NUR 898B	Applied Evidence-Based Practice & Translational Methods Project II	1
NUR 898C	Applied Evidence-Based Practice & Translational Methods Project III	1
NUR 898D	Applied Evidence-Based Practice & Translational Methods Project IV	1
NUR 898E	Applied Evidence-Based Practice & Translational Methods Project V	2
Total Credit Hours		73

Required Withdrawal

Withdrawal from the program will be recommended to the Graduate School if the student:

- Fails to register for two consecutive semesters in the nursing curriculum.
- Has earned a B- or below in more than 6 credits of coursework.
- Has earned a B- or below in any AGNP specialty course.
- Has a GPA that indicates the inability to meet the 3.0 required for graduation within the required curriculum.
- Does not complete requirements for the degree within the 7-year time limit.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

Post-Baccalaureate D.N.P. Nurse Anesthesia Concentration

Degree Program Requirements

Required: 107 credit hours

Code	Title	Credit Hours
Required Courses (102 credits)		
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 705	Research and Evidence Based Practice	3
NUR 714	Informatics in Healthcare	3
NUR 727	Basic Principles of Nurse Anesthesia Practice	5
NUR 728	Physics and Mechanics of Anesthesia Delivery Systems	1
NUR 728L	Physics and Mechanics of Anesthesia Delivery Systems Laboratory	1
NUR 729	Health Assessment for Nurse Anesthesia	1
NUR 729L	Health Assessment Laboratory for Nurse Anesthesia	1
NUR 730	Neurophysiology of Nurse Anesthesia	3
NUR 732	Advanced Principles of Nurse Anesthesia Practice	4
NUR 751	Pharmacology of Nurse Anesthesia I	1
NUR 752	Biochemistry for Nurse Anesthesia	1
NUR 753	Cardiovascular Pathophysiology for Nurse Anesthesia	3
NUR 754	Pharmacology of Nurse Anesthesia II	1
NUR 755	Cell Pathophysiology for Nurse Anesthesia	1
NUR 756	Respiratory Pathophysiology for Nurse Anesthesia	3
NUR 757	Pharmacology of Nurse Anesthesia III	1
NUR 758	Pathophysiology of Abdominal Systems for Nurse Anesthesia	3
NUR 759	Pharmacology of Nurse Anesthesia IV	1
NUR 771A	Clinical Practicum in Nurse Anesthesia I	6
NUR 771B	Clinical Practicum in Nurse Anesthesia I	8
NUR 772	Clinical Practicum in Nurse Anesthesia II	6
NUR 773A	Clinical Practicum in Nurse Anesthesia III	6
NUR 773B	Clinical Practicum in Nurse Anesthesia III	8

NUR 774	Clinical Practicum in Nurse Anesthesia IV	6
NUR 775A	Clinical Practicum in Nurse Anesthesia V	6
NUR 775B	Clinical Practicum in Nurse Anesthesia V	7
NUR 797	Integrated Clinical Concepts	1
NUR 818	Biostatistics and Epidemiology Principles for Advanced Practice Nursing	3
NUR 819	Effective Leadership for Practice	3
NUR 820	Nurse Anesthesia Research Seminar	1
Capstone Sequence (6 credits)		
NUR 898A	Applied Evidence-Based Practice & Translational Methods Project I	1
NUR 898B	Applied Evidence-Based Practice & Translational Methods Project II	1
NUR 898C	Applied Evidence-Based Practice & Translational Methods Project III	1
NUR 898D	Applied Evidence-Based Practice & Translational Methods Project IV	1
NUR 898E	Applied Evidence-Based Practice & Translational Methods Project V	2
Total Credit Hours		107

Required Withdrawal

Withdrawal from the program will be recommended to the Graduate School if the student:

- Fails to register for two consecutive semesters in the nursing curriculum.
- Has earned a B- or below in more than 6 credits of coursework.
- Has earned a B- or below in any Nurse Anesthesia specialty course.
- Has a GPA that indicates the inability to meet the 3.0 required for graduation within the required curriculum.
- Does not complete requirements for the degree within the 7-year time limit.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

Post-Master's D.N.P. Concentration

Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Required Courses (24 credits)		
NUR 705	Research and Evidence Based Practice	3
NUR 714	Informatics in Healthcare	3
NUR 818	Biostatistics and Epidemiology Principles for Advanced Practice Nursing	3
NUR 819	Effective Leadership for Practice	3
NUR 824	Analysis and Application of DNP Essentials: Scientific Underpinnings for Practice and Advanced Nursi	2

NUR 825	Analysis and Application of DNP Essentials: Clinical Scholarship and Analytical Methods for Evidence	1
NUR 826	Analysis and Application of DNP Essentials: Health Care Policy for Advocacy in Health Care; and Inte	3
NUR 827	Analysis and Application of DNP Essentials: Organizational and Systems Leadership, Information Syste	3
Select 3 credits of electives		3
Capstone Experience (6 credits)		
NUR 898A	Applied Evidence-Based Practice & Translational Methods Project I	1
NUR 898B	Applied Evidence-Based Practice & Translational Methods Project II	1
NUR 898C	Applied Evidence-Based Practice & Translational Methods Project III	1
NUR 898D	Applied Evidence-Based Practice & Translational Methods Project IV	1
NUR 898E	Applied Evidence-Based Practice & Translational Methods Project V	2
Total Credit Hours		30

Required Withdrawal

Withdrawal from the program will be recommended to the Graduate School if the student:

- Fails to register for two consecutive semesters in the nursing curriculum.
- Has earned a B- or below in more than 6 credits of coursework.
- Has earned a B- or below in any course.
- Has a GPA that indicates the inability to meet the 3.0 required for graduation within the required curriculum.
- Does not complete requirements for the degree within the 7-year time limit.

Nursing, Ph.D.

The Ph.D. in Nursing requires 57 credit hours. Up to 15 credits may be transferred into the program.

Please refer to the enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

Applicants must have the following credentials:

- Current unrestricted licensure as a registered nurse in one of the fifty states or validated credentials by CGFNS for international applicants. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.

- Master's degree in nursing from a school accredited by a nationally recognized accrediting agency.
- In addition to the application materials required by The Graduate School, applicants must submit a 300-word statement of research goals in doctoral program related to promotion of optimal health for ethnic minorities, women, children, or older adults.
- Selected applicants must participate in an interview with Graduate Nursing Faculty.
- Please refer to the preceding enrollment requirements for all graduate nursing students.

Degree Program Requirements

Required: 57 credit hours

Code	Title	Credit Hours
Required Courses (18 credits)		
NUR 710	Philosophy of Knowledge Development in Nursing	3
NUR 712	Theory Analysis in Nursing Science	3
NUR 741	Nurse Scientists in Academia and Industry I	3
NUR 781	Health Promotion Models and Interventions	3
NUR 782	Health Disparities and Outcomes	3
NUR 783	Advanced Health Policy and Ethics	3
Research Methodology and Statistics (15 credits)		
NUR 701	Statistical Applications for Nursing Research	3
NUR 702	Statistical Applications for Nursing Research II	3
NUR 703	Qualitative Methods for Nursing	3
NUR 704	Quantitative Research in Nursing	3
NUR 707	Measurement in Nursing and Healthcare Research	3
Directed Research (3 credits)		
NUR 790	Directed Research	3
Cognates (6 credits)		
Select 6 credits		6
Electives (3 credits)		
NUR 742	Nurse Scientists in Academia and Industry II	3
Dissertation (12 credits)		
NUR 799	Dissertation	12
Total Credit Hours		57

Preliminary Examinations

Preliminary examinations are required and may be taken after the completion of three-quarters of the coursework.

Required Withdrawal for Ph.D. Students

Students will become academically ineligible to continue if any of the following occur:

- Grades of U, F, or WF for any semester hours of credit.
- Grades of C, C+, or B-in 6 semester hours.
- Degree requirements not completed within the time limit (7 academic years).

Nursing, Nursing Administration, or Nursing Education, Post-Baccalaureate Certificate

At least 12 credit hours must be successfully completed during a two-year time period to earn the certificate. Credits earned in the certificate program may be used to meet requirements in a degree program in accordance with the policies of The Graduate School. Students are advised individually and select courses from one or more categories.

Please refer to the preceding enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

Applicants must have the following credentials:

- Current unrestricted licensure as a registered nurse in one of the fifty states or validated credentials by CGFNS for international applicants. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.

Certificate Program Requirements

Required: 12-15 credit hours

The UNCG School of Nursing Post-Baccalaureate Certificate programs provide the opportunity for baccalaureate-prepared registered nurses to further their knowledge in three different areas: Nursing, Nursing Administration, and Nursing Education. All courses are offered online and are designed for working professionals.

- Students must successfully complete at least 12-15 credit hours, depending on the certificate category, during a 2-year period of time to earn a certificate.
- Credits generated in the certificate program may be used to meet requirements in a degree program in accordance with the policies of the Graduate School.
- To meet individual needs, courses may be taken across all 3 categories or focused within a few categories.
- To earn the certificate in Nursing Administration, all 4 courses within that category must be taken.
- To earn the certificate in Nursing Education, both NUR 615 and 616 are required, and an additional course within that category must be selected. Requiring 3 courses (9 credits) satisfies a requirement of the NC Board of Nursing to teach in an undergraduate program; to achieve the required 12 credits, another course from another category may be selected.
- To earn the certificate in Nursing, students may enroll in 4 courses from any of the three categories: Nursing Administration, Nursing Education, and Core and Support Courses.

Upon successful completion of the 4 courses, students receive a post-baccalaureate certificate. If courses are completed across several categories or within the Core and Support Course category only, a post-baccalaureate certificate in Nursing is issued.

Nursing Administration

15 credits are required to complete the certificate in Nursing Administration; due to the sequencing of courses, it is advised that students begin courses in the Spring semester.

Code	Title	Credit Hours
NUR 540	Financial Management in Healthcare	3
NUR 609	The Role of the Nurse Leader in Advanced Quality and Safety	4
NUR 641	Leadership and Management Essentials in Healthcare: Theories and Roles	4
NUR 644	Organizational Leadership and Management	4
Total Credit Hours		15

Nursing Education

12 credits are required to complete the certificate in Nursing Education; NUR 615 and NUR 616 are required.

Code	Title	Credit Hours
NUR 551	Integrating Technology in Nursing Education	3
NUR 612	Theoretical Foundations for the Advanced Nurse Educator	3
NUR 615	Curriculum Design and Evaluation in Advanced Nursing Education	3
NUR 616	Pedagogical Strategies for Advanced Nursing Education	4
Total Credit Hours		13

Core and Support Courses

Code	Title	Credit Hours
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 692	Independent Study	1-3
NUR 708	Pathophys Adv Pract Nursing	3
NUR 715	Research Methods in Nursing	3

INTERDISCIPLINARY PROGRAMS

- Applied Arts and Sciences (p. 640)
- Birth Through Kindergarten (p. 641)
- Health Management (p. 643)
- Informatics and Analytics (p. 644)

Applied Arts and Sciences

915 Northridge Street
336-315-7044
maas.uncg.edu

Kathleen Forbes, Program Director
Jeffrey W. Jones, Director of Graduate Study

Professors

Robert Cannon, Microbiology, biology of Acetobacter, a cellulose synthesizing microbe (Department of Biology)
James Eddy, Worksite Health promotion, health behavior theory (Department of Public Health Education)
Larry Lavender, Choreography, dance criticism, aesthetics, creative process (Department of Dance)
Hephzibah Roskelley, Rhetoric and composition, reading theory, pedagogy, American literature (Department of English)
Stephen Ruzicka, Ancient history, Greek, Roman, Persian (Department of History)

Associate Professors

James A. Anderson, East Asia, China, Vietnam (Department of History)
Jeffrey W. Jones, Russia (Director of Graduate Study; Department of History)

Instructors

Carrie Levesque (Liberal Studies Program)
Jeffrey K. Sarbaum (Department of Economics)
Sara Littlejohn (Ashby Residential College)

About

The Master of Arts in Applied Arts and Sciences encourages innovative graduate studies across traditional disciplinary boundaries. Its applied integrative approach fuses the study of the arts and sciences with methodologies encouraging social innovation and collaborative creativity. More information is available at The Graduate School or UNC Greensboro Online: The Division of Online Learning.

Graduate Programs

- Post-Baccalaureate Certificate in Global Studies (15)
- Master of Arts (M.A.) in Applied Arts and Sciences (33)
- Applied Arts and Sciences, M.A. (p. 640)
- Global Studies, Post-Baccalaureate Certificate (p. 640)

Applied Arts and Sciences, M.A.

The M.A. in Applied Arts and Sciences is an interdisciplinary degree consisting of 33 credit hours of graduate coursework.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a three-to four-page essay describing their academic background and interest in applied arts and sciences and the program.

Degree Program Requirements

Required: 33 credit hours

Code	Title	Credit Hours
Required Core Seminars (9 credits)		
MAS 610	Culture and Ideas	3
MAS 620	Human Nature and Society	3
MAS 630	Scientific Reasoning	3
Electives (18 credits)		
Select 18 credits of 500- to 600-level electives *		18
Select one option from the following (6 credits):		6
<i>Thesis Option</i>		
MAS 699	Thesis	
<i>Non-Thesis Option</i>		
Select 6 credits in one of the seminar areas and a Portfolio, Capstone Experience		
Total Credit Hours		33

* In consultation with the program director.

Global Studies, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Global Studies seeks to instill in students a solid knowledge of particular cultures, while also providing training in the analysis of global trends. Students will learn how to make connections between their knowledge of a particular part of the world and the larger trends and issues that affect all societies. 15 credit hours must be successfully completed during a three-year period to earn the certificate.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement elaborating how the certificate will further their personal and professional goals.

Certificate Program Requirements

Required: 15 credit hours

Code	Title	Credit Hours
Required Courses (9 credits)		
MAS 610	Culture and Ideas (The Contemporary World)	3

MAS 620	Human Nature and Society (The Global Economy)	3
MAS 630	Scientific Reasoning (Global Perspectives in the Sciences)	3
Electives (6 credits)		
Select 6 credits of electives		6
Total Credit Hours		15

Electives

In consultation with the program director, students choose 6 credits of electives from the following courses:

Subtopics for MAS 610 Culture and Ideas

- The Islamic World: Perceptions and Realities
- Global Arts: Windows into the Hearts of Other Cultures
- Current Problems in the Middle East: An Historical Perspective
- The Dragon Awakes: Charting the Course of Modern China
- Cultural Identities: Contemporary Non-Western Literature
- Voices from Latin America: Why Don't They Like Us?
- Religion and Ecology
- The Reel World: Contemporary Issues on Screen

Subtopics for MAS 620 Human Nature and Society

- Dangerous Minds: Understanding Terrorism
- Global Human Rights
- Emerging Powers

Birth Through Kindergarten

- Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed. (p. 535)
- Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate (p. 538)
- Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate (p. 538)

Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed.

The synchronous online Master of Education (M.Ed.) program in Birth-Kindergarten Interdisciplinary Studies in Education and Development is offered jointly by the Department of Human Development and Family Studies and the Department of Specialized Education Services. The program prepares students to assume leadership roles in diverse settings (both education and community-based) that develop and implement programming for young children with and without disabilities, ages birth to five, and their families. The degree consists of a minimum of 37 credit hours of graduate course work beyond the bachelor's degree.

Two concentrations are offered: one in Early Childhood Leadership and Advanced Teaching Licensure and another in Early Childhood Leadership and Program Administration.

The concentration in Early Childhood Leadership and Advanced Teaching Licensure is designed for students with a Standard Professional I or initial license seeking education in early childhood leadership and an advanced teaching license. Those with an initial license in another field of education must satisfy prerequisite requirements and complete eight

weeks of student teaching (which adds 6 credit hours to the program). Students are eligible for the "M" advanced license in BK upon successful completion of the program.

The concentration in Early Childhood Leadership and Program Administration equips teachers, directors/administrators, technical assistance providers, and other professionals working closely with early childhood educators to be leaders in the field. It includes advanced training in a variety of areas, including personnel development and support, financial management, early childhood systems and policy, leadership and mentoring, child and program assessment, and curriculum within the context of family-centered practices to work effectively with diverse children and families in inclusive settings.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

Applicants must submit an application to The Graduate School, which includes: a professional statement, a current resume, official transcripts with a GPA of 3.0 or higher, and three letters of recommendation with at least one academic reference if possible. Applicants to the Early Childhood Leadership and Advanced Teaching Licensure Concentration must also submit documentation of their initial teaching license. The GRE is not required. An interview and writing sample may be required.

Degree Program Requirements

Required: 37 credit hours

Additional academic work may need to be completed by students without foundational skills or content knowledge in early childhood. Credits may only be applied toward the M.Ed. degree from Birth-Kindergarten Initial Licensure or Leadership in Infant and Toddler Learning Post-Baccalaureate Certificate courses (see Birth-Kindergarten: Initial Licensure or Leadership in Infant and Toddler Learning Post-Baccalaureate Certificate program requirements). The amount of credit that may be applied toward the M.Ed. degree varies depending on the concentration a M.Ed. student selects. Examples of courses that may be applied toward the M.Ed. degree program include SES 601 Introduction to Inclusive Birth-Kindergarten Services and SES 603 Screening/Assessment in Inclusive Early Childhood Services.

Code	Title	Credit Hours
Core Courses Required for Both Concentrations (21 credits)		
<i>Course Work Related to Theory and Practice (15 credits)</i>		
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 602	Inclusive Family-Centered Practices in Early Childhood	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
HDF 633	Advanced Curriculum in Early Childhood Education	3
HDF 636	Leadership and Mentoring in Educating Young Children	3
<i>Course Work Related to Research (6 credits)</i>		
ERM 604	Methods of Educational Research	3
HDF 650	Theory and Research in Early Childhood	3
Concentration (10 credits)		
Select one of the following concentrations:		10

Early Childhood Leadership and Advanced Teaching Licensure Concentration

Early Childhood Leadership and Program Administration Concentration

Practicum (6 credits)

SES 604	Internship in Inclusive Early Childhood	6
Total Credit Hours		37

Professional Portfolio (Capstone Experience)

The final portfolio is the culminating experience. It includes two components:

1. A written document that includes a series of reflective essays and
2. An oral defense, discussing the content of the essays and rationale for the use of documents.

This portfolio will demonstrate the mastery of skills and knowledge in the program competency areas. It is submitted by the student and evaluated by a team of two faculty and one practicing professional. If the portfolio and presentation do not meet departmental standards, one revision is allowed. The final portfolio is required of all students graduating from the program.

Early Childhood Leadership and Advanced Teaching Licensure Concentration

Code	Title	Credit Hours
In addition to the core courses, the Early Childhood Leadership and Advanced Teaching Licensure Concentration requires:		
Course Work Related to Theory and Practice (4 credits)		
HDF/SES 606	Preschool-Kindergarten Learning in Inclusive Settings	4
Electives (6 credits)		
Select 6 credits from the following: *		6
HDF 634	Contemporary Issues in Early Childhood Policy	
HDF 653	Contemporary Research in Family Studies	
HDF 730	Cross-Cultural Perspectives on Child Development	
SES 605	Diversity and Inclusive Early Care and Education	
SES/HDF 607	Infant-Toddler Learning in Inclusive Settings	
SES 647	Collaboration and Leadership	
SES 662	Assistive Technology for Inclusive Education	
Practicum (6 credits)		
SES 649C	Practicum in Special Education **	6
Total Credit Hours		16

* To be selected from list or with approval of advisor. Other courses with approval of advisor.

** As applicable, if student's initial licensure is in an area other than Birth-Kindergarten.

Early Childhood Leadership and Program Administration Concentration

Code	Title	Credit Hours
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In addition to the core courses, the Early Childhood Leadership and Program Administration Concentration requires:

Course Work Related to Theory and Practice (4 credits)

HDF 602	Special Topics in Human Development and Family Studies	4
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Required Electives (6 credits)

HDF 634	Contemporary Issues in Early Childhood Policy	3
SES 605	Diversity and Inclusive Early Care and Education	3
Total Credit Hours		10

Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Birth-Kindergarten (BK) Initial Licensure provides training for students with a bachelor's degree seeking an initial NC Birth-Kindergarten teaching license. This certificate program requires 20 credit hours and is offered jointly by the departments of Human Development and Family Studies and Specialized Education Services. The program is designed to provide students with graduate level training and an initial teaching license in BK. Students also have an option for transitioning from this program into the M.Ed. program in which they may be eligible for an advanced license in BK. Coursework from the plan of study for the Post-Baccalaureate Certificate may be applied to the M.Ed. in Birth to Kindergarten: Interdisciplinary Studies in Education and Development provided the student meets all admission requirements of The Graduate School, the Department of Human Development and Family Studies and the Department of Specialized Education Services.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The certificate is available to individuals with a bachelor's degree in early childhood education, child development, early childhood special education, or a related field. Students who wish to transition into the M.Ed. program must submit a new application for the M.Ed. to The Graduate School. It is the students' responsibility to initiate the process and review it with their advisor.

Certificate Program Requirements

Required: 20 credit hours

Code	Title	Credit Hours
BK Initial Licensure Required Courses (20 credits)		
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
SES/HDF 606	Preschool-Kindergarten Learning in Inclusive Settings	4
SES/HDF 607	Infant-Toddler Learning in Inclusive Settings	4
SES 649C	Practicum in Special Education	6
Total Credit Hours		20

Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Leadership in Infant and Toddler Learning requires 19 credit hours and is offered jointly by the departments of Human Development and Family Studies and Specialized Education Services. The program is designed to provide students with graduate level training and a credential to pursue careers in leadership positions in early care and education settings focusing on infants and toddlers, including early intervention, Smart Start, resource and referral, and community college instruction.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The certificate is available to students with a bachelor's or master's degree who do not plan to pursue a degree program or for students who are pursuing a master's degree in Human Development and Family Studies or Specialized Education Services. If pursuing a master's degree simultaneously, students must meet all requirements for admission to The Graduate School, Human Development and Family Studies, and Specialized Education Services.

The certificate is also open to graduate students with background knowledge in early childhood education, child development, early childhood special education, or a closely related field. Students who are enrolled in the LITL certificate program and wish to enroll in the M.Ed. program must submit a new application for the M.Ed. program to The Graduate School. It is the student's responsibility to initiate the process and, if accepted to the M.Ed. program, review program requirements with the advisor.

Certificate Program Requirements

Required: 19 credit hours

Code	Title	Credit Hours
Required Courses (19 credits)		
HDF/SES 607	Infant-Toddler Learning in Inclusive Settings	4
HDF 636	Leadership and Mentoring in Educating Young Children	3
HDF 650	Theory and Research in Early Childhood	3
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 602	Inclusive Family-Centered Practices in Early Childhood	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
Total Credit Hours		19

Health Management

- Health Management, M.S.N./M.B.A. (p. 471)

Health Management, M.S.N./M.B.A.

The combined M.S.N./M.B.A. is offered jointly by the School of Nursing and the Bryan School of Business and Economics and requires a minimum of 62 credit hours.

Please refer to the preceding enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

Applicants must meet the following requirements:

- Current unrestricted licensure as a registered nurse in one of the 50 states or validated credentials by CGFNS for international students. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.
- Minimum of one year full time clinical nursing experience.
- Satisfactory MAT/GRE score.
- A personal statement of 400 words or less that comments on applicant's nursing background and discusses future goals.
- A resume.
- An interview is required for selected applicants. An inferential statistics course and health assessment course at the undergraduate level are required prerequisite courses.
- A minimum of 3.2 GPA is required from the undergraduate nursing program.
- Three professional nursing references (mix of educational and professional sources).
- Nonresidential international students are required to participate in a telephone interview.

Degree Program Requirements

Required: 62 credit hours

Computer Literacy

Upon entry to the M.S.N./M.B.A. in Health Management degree program, students should have a working knowledge of word processing and spreadsheet applications in a PC environment. Familiarity with Excel is required.

Statistics

ECO 250 Economic and Business Statistics I or Pre-M.B.A. workshop in statistics is recommended to meet the program prerequisite for statistics.

Code	Title	Credit Hours
Required Courses (62 credits)		
NUR 540	Financial Management in Healthcare	3

NUR 607	Interprofessional/Interdisciplinary Collaboration and Negotiation	3
NUR 609	The Role of the Nurse Leader in Advanced Quality and Safety	4
NUR 614	Information Technology in Nursing Administration	3
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 641	Leadership and Management Essentials in Healthcare: Theories and Roles	4
NUR 644	Organizational Leadership and Management	4
NUR 645	Strategic Management of Health Care Organizations	4
NUR 646		4
NUR 715	Research Methods in Nursing	3
MBA 701	Quantitative Analysis for Decision Making	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Economic Policies and Impact on Global Outcomes	3
MBA 706	Marketing Management	3
MBA 707	Financial Management	3
MBA 708	Operations for Competitive Advantage	3
MBA 712	Strategic Management	3
MBA 717	Technology and Innovation	3
MBA 741	Creating and Sustaining Competitive Advantage	3
Total Credit Hours		62

Required Withdrawal

Please refer to the Required Withdrawal section listed in the M.S.N. requirements.

Informatics and Analytics

- Informatics and Analytics, M.S. (p. 644)

Informatics and Analytics, M.S.

The Master of Science in Informatics and Analytics develops leaders and problem-solvers who possess the knowledge and skill to thrive in the data science industry.

The program includes six interdisciplinary courses that establish a strong foundation in data science principles. In addition to the core program, students specialize in a concentration of interest.

The hallmark of the UNC Greensboro program is a unique capstone experience that links knowledge-with-practice and equips graduate students with key skills for professional success.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions.

In addition to the application materials required by The Graduate School, applicants must submit a statement of purpose that outlines their career goals, how the M.S. in Informatics and Analytics will advance their career goals, and how their background has prepared them to enter the program.

Degree Program Requirements

Required: 30 credit hours

Code	Title	Credit Hours
Interdisciplinary Foundational Core (18 credits)		
IAF 601	Introduction to Data Analytics-Methods and Approaches	3
IAF 602	Statistical Methods for Data Analytics	3
IAF 603	Preparing Data for Analytics	3
IAF 604	Machine Learning and Predictive Analytics	3
IAF 605	Data Visualization	3
IAF 606	Solving Problems with Data Analytics	3
Disciplinary Concentration (12 credits)		
Select 12 credits in one of the concentrations		12
Total Credit Hours		30

Advanced Data Analytics Concentration (courses pending approval)

Code	Title	Credit Hours
Required Courses (6 credits)		
IAA 621	Applied Computational Statistics	3
IAA 622	Complex Data Analysis	3
Elective Course (3 credits)		
Select one course (3 credits) from the following:		3
IAA 623	Discrete Data Analysis	
IAA 624	Multivariate Analysis	
IAA 625	Survey Sampling	
Required Capstone (3 credits)		
IAA 689	Capstone Project in Advanced Data Analysis	3
Total Credit Hours		12

Computational Analytics Concentration (courses pending approval)

Code	Title	Credit Hours
Required Courses (9 credits)		
IAC 620	Algorithm Analysis and Design	3
IAC 621	Data Science	3
IAC 622	Big Data and Machine Learning	3
Required Capstone (3 credits)		
IAC 689	Capstone Project in Computational Analytics	3
Total Credit Hours		12

Geospatial Analytics Concentration (courses pending approval)

Code	Title	Credit Hours
Required Course (3 credits)		
IAG 620	Understanding Geographic Information Systems	3
Elective Courses (6 credits)		
Select two courses (6 credits) from the following:		6
IAG 621	Advanced Cartography	
IAG 622	GIS Applications in Urban Planning	
IAG 623	Advanced Geographic Information Systems	

IAG 624	Advanced Remote Sensing	
IAG 625	Spatial Analysis	
IAG 626	GIS Programming and Design Application	
Required Capstone (3 credits)		
IAG 689	Capstone Project in Geospatial Analysis	3
Total Credit Hours		12

Bioinformatics Concentration (courses pending approval)

Code	Title	Credit Hours
Required Courses (12 credits)		
IAB 620	Introduction to Bioinformatics	3
IAB 621	Big Data in Bioinformatics	3
IAB 622	Applied Data Mining and Hypothesis Testing for Bioinformatics	3
IAB 689	Capstone Project in Bioinformatics	3
Total Credit Hours		12

Cultural Analytics Concentration (courses pending approval)

Code	Title	Credit Hours
Required Courses (12 credits)		
IAL 620	Web Scraping and Online Data Collection	3
IAL 621	Content Analysis for Social Network Data	3
IAL 622	The Internet of Things and "Wearable" Analytics	3
IAL 689	Capstone Project in Computational Analytics	3
Total Credit Hours		12

Sports Analytics Concentration (courses pending approval)

Code	Title	Credit Hours
Required Courses (12 credits)		
IAS 620	Fundamentals of Sports Analytics	3
IAS 621	Sports Performance Analytics	3
IAS 622	Sports Management Analytics	3
IAS 689	Capstone Project in Applied Sports Analytics	3
Total Credit Hours		12

Health Informatics Concentration (courses pending approval)

Code	Title	Credit Hours
Required Courses (12 credits)		
IAH 620	Fundamentals of Health Informatics	3
IAH 621	Survey of the U.S. Healthcare System	3
IAH 622	Legal, Ethical, and Regulatory Issues in Health Informatics	3
IAH 689	Capstone Project in Applied Health Informatics	3
Total Credit Hours		9

ACADEMIC OFFICES

- International Programs Center (p. 646)
- Preprofessional Programs (p. 647)
- Residential Colleges (p. 652)
- School of Education Licensure Programs (p. 654)

International Programs Center

207 Foust Building
336-334-5404
international.uncg.edu/

Administration

Penelope Pynes, Associate Provost for International Programs / Director of Global Engagement **Denise Bellamy**, Senior Director of IPC / Director of Study Abroad and Exchanges (SAE) **Tom Martinek Jr.**, Associate Director, SAE **Delisha Stafford**, Assistant Director, SAE **Heidi Bretz**, Assistant Director, SAE **Monica Scovell**, Assistant Director, SAE **Logan Stanfield**, Study Abroad Coordinator, SAE **Jennifer Kelley**, International Student & Scholar Services Lead & International Student Advisor **Norma Velazquez**, Senior International Advisor (Students and Scholars) **Stephanie Guzman**, Program Coordinator **Patrick Lilja**, Assistant Director, Global Engagement **Anna Kristen Poteat**, Administrative Assistant, Global Engagement **Catherine Holderness**, Director, UNC-IRC **Lori Suarez**, Assistant Director, UNC-IRC **LaToya Winslow**, Financial Coordinator **Anna Cochrane**, Front Desk Supervisor

About

As the university's central point of contact for all of its international activities, the International Programs Center (IPC) does many things that help increase the diversity of UNC Greensboro's faculty and students.

Study Abroad

A UNC Greensboro student in good standing may spend a summer, semester, or academic year abroad in several ways.

Academic Year and Semester Abroad Programs

UNC Greensboro Exchange Programs

Through various exchange agreements, a UNC Greensboro student may swap places with a student in another country. Under these arrangements, students study abroad for approximately the cost of being in residence at UNC Greensboro. Students can choose from over ninety exchange partner programs in more than forty-five countries. Examples of our partner program locations include Australia, Botswana, Canada, Chile, China, Estonia, Finland, France, Germany, Italy, Japan, Korea, Mexico, New Zealand, Peru, Poland, South Africa, Spain, Sweden, Turkey, and the United Kingdom. As a member of ISEP (a Virginia-based exchange organization), UNC Greensboro is also able to place students in any one of 300 member institutions in 50 countries overseas. The cost of such study is about the same as being in residence at UNC Greensboro. Because of such exchanges UNC Greensboro hosts about 150 international exchange students per year from our partner universities.

Semester Abroad Programs

UNC Greensboro offers other study abroad semester programs to several countries, including India and Russia. Although not student exchange programs, these study abroad options are nonetheless less costly than study abroad opportunities offered through most other providers.

Non-UNC Greensboro Programs

A UNC Greensboro student may spend a summer, semester, or year abroad under the auspices of a group or institution approved by the UNC Greensboro Study Abroad Committee. While generally more costly than ISEP or the UNC Greensboro programs, this option may be of interest to students seeking particular experiences not otherwise available.

Short-Term Faculty-Led / Summer Abroad Programs

UNC Greensboro professors regularly develop and lead student groups overseas. Over the past few years, groups have gone to such countries as Costa Rica, China, Greece, Spain, United Kingdom, and Tanzania. Faculty lead students abroad on interculturally immersive short-term programs during Winter Break, Spring Break, and over summer.

Students can also take advantage of dozens of summer study programs and internships offered by UNC Greensboro exchange partner universities.

International Student and Scholar Services

UNC Greensboro is home to 479 degree-seeking international students and scholars who represent 69 countries around the world. Specific services and advocacy are provided by the International Student and Scholar Services (ISSS) for degree-seeking international students and visiting scholars, including faculty, researchers, and observers. IPC provides services from the time of initial contact through the student or scholar's entire experience at the university.

System-Wide Initiatives

Baden-Württemberg North Carolina (BW/NC) Exchange Program

On behalf of the UNC System, IPC/SAE is responsible for the administration of the Baden-Württemberg state-to-state Exchange Program. We established this study abroad exchange partnership between North Carolina's 15 university campuses and the nine Baden-Württemberg universities in Germany. The BW/NC Exchange Program allows students to continue enrollment on their home campus while studying abroad at an exchange institution in Baden-Württemberg or North Carolina for no additional tuition. In addition, we offer exciting international internship opportunities (<http://lpnc.uni-mannheim.de/english/Internship%20in%20Baden-Wuerttemberg>) in conjunction with exchange study at our partner universities and through affiliation with selected international internship providers in Baden-Württemberg.

The University of North Carolina International Recruiting Consortium (UNCIRC)

The University of North Carolina International Recruiting Consortium (UNCIRC) is dedicated to providing support for international degree-seeking student recruiting efforts on behalf of participating UNC campuses. UNCIRC offers its membership the opportunity to leverage shared resources for recruiting international undergraduate and graduate students from targeted regions throughout the world.

Committees

All IPC activities are carefully supervised and supported by the following committees:

- Discretionary Funds Committee
- Global Leadership (GLP) Steering Committee

- International Students and Scholars Services Committee
- IPC Advisory Committee
- Scholars at Risk Committee
- Study Abroad Committee

Preprofessional Programs

UNC Greensboro offers courses required for admission to medical, dental, pharmacy, veterinary, occupational therapy or physical therapy schools, or as needed for entrance into law school. A suggested two-year pre-engineering curriculum prepares students to transfer to schools with engineering programs.

At UNC Greensboro, Preprofessional Programs **are not majors** in which degrees can be earned nor do they prescribe courses required for graduation.

Rather, these “Programs” are meant to identify students with an interest in applying to a post-graduate professional school in the health sciences, engineering or law. Therefore, students who choose to designate an interest track must still select an academic area of study as their major.

Students elect to become associated with the Preprofessional Programs by selecting an **interest track** which matches their future career aspirations (see below for list of possible tracks). Making this election through a form provided on the registrar’s website then allows UNC Greensboro to provide targeted advising and support to assist students in preparing for application to their post-graduate schools of choice.

The election form can be accessed via the following link: <https://reg.uncg.edu/forms/pre-professional-interest-tracks/>

Students interested in designating a preprofessional interest track are urged to seek advising early in their academic careers.

Interest Tracks

Health Sciences

Pre Medicine (M.D.or D.O.)

Pre Physician Assistant

Pre Dentistry

Pre Physical Therapy

Pre Occupational Therapy

Pre Pharmacy

Pre Veterinary Medicine

Law

Prelaw

Engineering

Pre Engineering

- Pre Dentistry, Pre Medicine, Pre Physician Assistant, and Pre Veterinary Medicine (p. 647)
- Pre Engineering (p. 649)
- Prelaw (p. 650)
- Pre Occupational Therapy (p. 650)
- Pre Pharmacy (p. 650)
- Pre Physical Therapy (p. 651)

Pre Dentistry, Pre Medicine, Pre Physician Assistant, and Pre Veterinary Medicine

Health Careers Advisory Committee

Robin G. Maxwell, *Committee Chair, Senior Lecturer, Department of Biology*
Jeremy Ingraham, *Assistant Chair, Lecturer, Department of Biology*

Angela Allred, Students First Office

Bruce Banks, Associate Professor, Department of Chemistry and Biochemistry

Joe Bundy, Lecturer, Department of Biology

Jennifer Clark, Advisor, School of Health and Human Sciences

Ashley Gallagher, Lecturer, Department of Psychology

Mark Hens, Associate Professor, Department of Biology

Margaret Hood, Senior Lecturer, Department of Biology

Karen Katula, Associate Professor, Department of Biology

John Lepri, Professor, Department of Biology

Jessica Kennedy Mayer, Lecturer, Department of Biology

Ron Morrison, Associate Professor, Department of Nutrition

Promod Pratap Associate Professor, Department of Physics and Astronomy

Candie Rumph, Lecturer, Department of Biology

Caitlin Saraphis, College of Arts and Sciences Advising Center

Casey Taylor, Lecturer, Department of Biology

Aaron Terranova, Associate Professor, Department of Kinesiology

Travis Then, Career Services Center

Students should declare the appropriate Pre-professional **interest track**, through the “Forms” tab on the Registrar’s Office main page. Students with these declared interest tracks will be assigned to a member of this committee to assist in planning their program of study as their **secondary advisor**. They will also be automatically enrolled in the Pre-professional Programs group in Canvas, which will provide resources and communication about upcoming events, opportunities, and deadlines.

The admission requirements vary slightly among the various schools and programs. For specific information students should review the websites of the medical, dental, and veterinary medical schools to which they are interested in applying. Other sources of information are current volumes of Medical School Admission Requirements and Admission Requirements of American Dental Schools.

Most professional training programs require a core of courses (“prerequisites”) that must be completed before admission. They can be successfully incorporated into almost any major. The choice of major does not significantly affect the student’s probability of admission to a given professional graduate school. Students should give consideration to any major that they find interesting and in which they excel. Nearly all professional schools require completion of a bachelor’s degree.

The achievement of outstanding academic credentials should not be accomplished at the expense of sacrificing extracurricular activities. Professional programs prefer students who have actively pursued their interests, especially in the areas of leadership, service to underserved populations, and clinical or health-related experiences. (Physician assistant and veterinary medicine schools require specified hours of clinical care experiences for competitive application.)

In addition to course work, virtually all professional schools require some form of standardized test prior to consideration of a student’s admission application. These tests are usually taken in the spring before application is made in early summer. Medical schools require the Medical College

Admission Test (MCAT), dental schools the Dental Admission Test (DAT), and veterinary medicine schools and physician assistant schools the Graduate Record Examination (GRE) Aptitude Test.

Applications to professional schools are made a year before expected matriculation, usually between **June and October**. This means that the course work included on the standardized entrance test must be completed by the end of the **junior year** of college in order to move straight from college to professional schools the following August without a “gap” year. With this being said, students should be aware that completing requirements to apply after the **senior year** would allow them to spread out the required courses, pursue minors or second majors, or study abroad, which may increase the success of students in admissions to professional schools. In the application year, early application to professional schools (**by August 1**) is strongly recommended, as interviews and acceptances go first to the earliest applicants. (Physician assistant schools start in either August or January, so their application cycle begins in April.)

Professional school applications are made directly to Centralized Application Services for each type of graduate program. The American Medical College Application Service (AMCAS) is the agent for allopathic medical schools, the American Association of Dental Schools Application Service (AADSAS) is the agent for many dental schools, the American Association of Colleges of Osteopathic Medicine (AACOMAS) is the agent for osteopathic medical schools, the Central Application Service for Physician Assistants (CASPA) is the agent for physician assistant schools and the Veterinary Medical College Application Service (VMCAS) is the agent for most veterinary medical schools. Application information is available from those services directly and through the Canvas Pre-professional Programs group resources. Medical, dental, PA and vet schools not subscribing to the centralized application service must be contacted individually.

Students interested in other post college health careers such as **Optometry, Podiatric Medicine, Chiropractic Medicine, Genetic Counseling**, etc. are encouraged to declare a *Pre-medicine* interest track as well, to have access to the resources and Health Careers Advisory Committee for assistance in planning their programs of study.

Pre Medicine Recommended Courses

Allopathic and osteopathic medical schools generally require the categories below.

Code	Title	Credit Hours
Biology with Laboratory		12
BIO 111	Principles of Biology I	
BIO 111L	Principles of Biology I Laboratory	
BIO 112	Principles of Biology II	
BIO 112L	Principles of Biology II Laboratory	
BIO 277	Human Physiology	
BIO 277L	Human Physiology Laboratory	
General Chemistry with Laboratory		8
CHE 111	General Chemistry I	
CHE 112	General Chemistry I Laboratory	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
Organic Chemistry with Laboratory		8
CHE 351	Organic Chemistry I	

CHE 352	Organic Chemistry II	
CHE 354	Organic Chemistry Laboratory	
Biochemistry		3-6
<i>Select one option of the following:</i>		
Option A		
CHE 420	Chemical Principles of Biochemistry	
Option B		
CHE 556	Biochemistry I	
CHE 557	Biochemistry II	
Option C		
BIO 435	Biochemistry: Metabolic Regulation in Health and Disease	
Physics with Laboratory		8
<i>Select one option of the following:</i>		
Option A		
PHY 211	General Physics I	
PHY 211L	General Physics Lab I	
PHY 212	General Physics II	
PHY 212L	General Physics Lab II	
Option B		
PHY 291	General Physics I with Calculus	
PHY 291L	General Physics I with Calculus Lab	
PHY 292	General Physics II with Calculus	
PHY 292L	General Physics II with Calculus Lab	
Mathematics		6
A few schools require mathematics through calculus, while nearly all require statistics.		
MAT 191	Calculus I	
STA 108	Elementary Introduction to Probability and Statistics	
or STA 271	Fundamental Concepts of Statistics	
College Writing		6
ENG 101	College Writing I	
ENG 102	College Writing II	
Behavioral Sciences		6
PSY 121	General Psychology	
SOC 101	Introduction to Sociology	

Other courses that may be required include those detailed below.

Code	Title	Credit Hours
Cell Biology and Genetics		6
BIO 355	Cell Biology	
BIO 392	Genetics	
Histology with Laboratory		4
BIO 472	Histology	

Pre Dentistry Recommended Courses

Dental school preparatory course requirements are usually much like those for medical school; however, they may also require anatomy in addition to the classes listed above.

Code	Title	Credit Hours
Anatomy with Laboratory		
BIO 271	Human Anatomy	3
BIO 271L	Human Anatomy Laboratory	1

Pre Physician Assistant Recommended Courses

Physician assistant programs are more variable in requirements than medical schools. While still requiring the same Biology and Chemistry courses as medical and dental schools, they typically do not require Physics courses, but add courses in **Anatomy, Microbiology, Genetics, and Medical terminology.**

Pre Veterinary Medicine Recommended Courses

Veterinary school course requirements are considerably more extensive than those for medical or dental schools. In addition to specifying all of the above courses in mathematics, chemistry, and biology, these programs typically require or recommend more courses in **animal science, general microbiology, animal nutrition, and possibly some business courses.** Several hundred hours of work experience with animals or in a veterinarian's practice is required. Students interested in veterinary school should make contact with the school and with the advisory committee at an early stage of their undergraduate careers, to discuss how to meet these requirements.

Pre Engineering Advisors

Promod Pratap, Associate Professor, Department of Physics and Astronomy

The following two-year pre-engineering curriculum offers preparation for students who plan to transfer to engineering programs in other institutions. This program has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University, and The University of North Carolina at Charlotte. Students interested in engineering should contact the advisors above as soon as possible.

See the designated General Education requirements and approved course listings. Recommended are a beginning course in literature, history (200 level), history or philosophy of science, and communications*. Some engineering programs require proficiency in a foreign language through the level of the first year (101–102). Students should make appropriate selections after consultation with an advisor. More information may be found on the Web at <http://physics.uncg.edu/academics/engineering.html> <https://physics.uncg.edu/undergraduate-program/pre-engineering-at-uncg/>

Note that the one-hour Kinesiology activity courses may be taken in any semester; most engineering schools require at least two P.E. credits.

* *Recommended* CST 105

Requirements

Course	Title	Credit Hours
Freshman		
First Semester		
ENG 101	College Writing I *	3
CHE 111	General Chemistry I	3
CHE 112	General Chemistry I Laboratory	1
MAT 151 or MAT 191	Precalculus II or Calculus I	3
Select 6 credits from GEC Categories		6
Select 1 credit from Kinesiology activity courses		1
		Credit Hours 17
Second Semester		
ENG 102	College Writing II *	3
CHE 114	General Chemistry II	3
CHE 115	General Chemistry II Laboratory	1
MAT 191 or MAT 292	Calculus I or Calculus II	3
MAT 220 Plane and Solid Analytic Geometry		
PHY 291	General Physics I with Calculus	4
Select 1 credit from Kinesiology activity courses		1
		Credit Hours 15
Sophomore		
First Semester		
MAT 292 or MAT 293	Calculus II or Calculus III	3
PHY 292	General Physics II with Calculus	4
Select 3 semester hours from GEC Categories		3
ECO 201	Principles of Microeconomics **	3
CSC 130	Introduction to Computer Science	3
		Credit Hours 16
Second Semester		
MAT 293	Calculus III **	3

Select 9-12 credits from GEC Categories		9-12
	Credit Hours	12-15
	Total Credit Hours	60-63

* This requirement may be exempted.

** Or an elective.

Prelaw

Advisory Committee

Eloise M. Hassell, *Lecturer, Department of Management*
Christopher Hodgkins, *Professor, Department of English*
Thomas Jackson, *Associate Professor, Department of History*
Susan Johnson, *Associate Professor, Department of Political Science*
Bas Van der Vossen, *Assistant Professor, Department of Philosophy*
Saundra Westervelt, *Associate Professor, Department of Sociology*

About

Admittance to law school is based primarily on a student’s grade point average, score on the law school admission test (LSAT), and other materials furnished in an application for admission.

Like most universities, UNC Greensboro does not have a Prelaw major. Students who plan to attend law school may select their major from any academically rigorous field. However, since law schools seek to admit students who can think, speak, and write at the highest levels of competency, students (regardless of major) should take courses that develop skills in critical, creative, and reflective thinking as well as clear and cogent writing and speaking. To obtain these skills, it is especially useful to take courses in the areas of Philosophical, Religious, and Ethical Principles (GPR) and Reasoning and Discourse (GRD). Courses in these areas are offered by many departments, including Anthropology, Communication Studies, English, History, Philosophy, Political Science, Religious Studies, and Sociology. In addition, Freshman Seminars, Honors, and Residential College courses are helpful. Students should also be sure to develop computer skills.

Students interested in Prelaw should consult one of the Prelaw advisors from the above list in addition to their major advisors.

Pre Occupational Therapy

Advisors

Stuart J. Schleien, *Professor and Director of Graduate Study, Department of Community and Therapeutic Recreation*
Leandra A. Bedini, *Professor, Department of Community and Therapeutic Recreation*
Judy S. Kinney, *Assistant Professor, Department of Community and Therapeutic Recreation*
Kimberly D. Miller, *AP Assistant Professor, Department of Community and Therapeutic Recreation*

Four occupational therapy (OT) programs are currently available in North Carolina: The University of North Carolina at Chapel Hill, East Carolina University, Lenoir-Rhyne College, and Winston-Salem State University offer a Master of Science (M.S.) in Occupational Therapy. Accreditation changes in occupational therapy now require that all students completing

a degree in occupational therapy after January 1, 2007 must obtain the master’s degree.

Students seeking admission into a Master of Science program in Occupational Therapy may declare a major in Recreation and Parks Management (RPMT), with an emphasis in Therapeutic Recreation, but will be expected to complete a core of additional courses.

Requirements

Requirements for entry into an M.S. program in O.T. generally include the courses detailed below. Additional recommendations may include (depending on the master’s program of interest to student) a course in either an academic or community-based setting that requires the skills of the body and mind, such as art, music, dance, recreation, sports classes, theater, etc. First aid and CPR certification may also be required. Students should contact an advisor for assistance in planning their program of study.

Code	Title	Credit Hours
Introductory Biology		4
BIO 111	Principles of Biology I	
Human Anatomy with Lab		4
BIO 271	Human Anatomy	
Human Physiology with Lab		4
BIO 277	Human Physiology	
Abnormal Psychology		3
PSY 341	Abnormal Psychology	
Introduction to Statistics		3
STA 108	Elementary Introduction to Probability and Statistics	
Human Growth and Development		10-11
HDF 211	Human Development Across the Life Span	
or PSY 250	Developmental Psychology	
Select 3 credits of Kinesiology or course related to Human Movement and Analysis		3
Select 3 credits of Sociology, Anthropology, or Cultural Diversity		3
Select 1-2 credits of Medical Terminology		1-2
Select a reasoning course such as philosophy, logic, ethics, methods, or research inquiry in a social science		

Pre Pharmacy

Advisors

Nicholas Oberlies, *Professor, Department of Chemistry and Biochemistry*
Robin G. Maxwell, *Senior Lecturer, Department of Biology*

Students seeking a professional degree in Pharmacy may follow a Pre Pharmacy curriculum at UNC Greensboro. In some cases, it is possible to complete the prerequisites in two or more years and then transfer to a school of pharmacy. An additional three to four years will then be required to complete the Doctor of Pharmacy degree. There are 137 accredited schools of pharmacy in the United States. The North Carolina schools are the University of North Carolina at Chapel Hill, Campbell University, Wingate University, and High Point University.

Completion of the Pre Pharmacy work at UNC Greensboro does not guarantee admission to pharmacy school. Students should consult a Pre

Pharmacy advisor before registering for courses. Those planning to apply to out-of-state pharmacy schools should bring along information from those schools.

Requirements

Prepharmacy requirements generally include the courses as listed below. Many schools specify other humanities and social science courses, including communication studies, for a total of around 64 credit hours. Some research experience is also strongly recommended or required to be competitive for most pharmacy schools. Students will also be required to take the Pharmacy College Admission Test before applying to pharmacy school.

Code	Title	Credit Hours
Biology		16
BIO 111	Principles of Biology I *	
BIO 271	Human Anatomy *	
BIO 277	Human Physiology *	
BIO 280	Fundamentals of Microbiology *	
Chemistry **		16
CHE 111	General Chemistry I	
CHE 112	General Chemistry I Laboratory	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 354	Organic Chemistry Laboratory	
or CHE 355	Intermediate Organic Chemistry Lab	
English		6
ENG 101	College Writing I	
ENG 102	College Writing II	
Mathematics and Statistics		6
MAT 191	Calculus I	
STA 108	Elementary Introduction to Probability and Statistics	
Physics		8
<i>Select one option from the following:</i>		
Option A		
PHY 211	General Physics I *	
PHY 212	General Physics II *	
Option B		
PHY 291	General Physics I with Calculus *	
PHY 292	General Physics II with Calculus *	

* Courses include an accompanying lab course.

** UNC Chapel Hill also requires CHE 420 or CHE 556.

Pre Physical Therapy

Advisors

Robin G. Maxwell, Senior Lecturer, Department of Biology

Randy J. Schmitz, Associate Professor, Department of Kinesiology

Six doctoral programs in physical therapy (DPT) are currently available in North Carolina. They are at Duke University, Elon University, UNC-Chapel

Hill, East Carolina University, Western Carolina University, and Winston-Salem State University.

Students seeking a DPT degree may major in any academic area but will be expected to complete a core of science courses. The minimum grade point average for admission is 3.0 on a 4.0 scale. Volunteer experience in physical therapy is required for admission.

Requirements

Requirements for the MPT and DPT generally include the courses listed below.

Additional recommendations include computer literacy and course work in biomechanics, and genetics. Students should contact the programs directly to ensure that they meet current requirements for each school. A complete listing of accredited physical therapy programs is available from the American Physical Therapy Association.

American Physical Therapy Association
1111 North Fairfax Street
Alexandria, VA 22314
703-684-APTA

Students should contact an advisor for assistance in planning their program of study.

Code	Title	Credit Hours
Statistics		3
STA 108	Elementary Introduction to Probability and Statistics	
Introductory Biology		8
BIO 111	Principles of Biology I	
BIO 112	Principles of Biology II	
Anatomy		4
BIO 271	Human Anatomy	
or KIN 291	Clinical Human Anatomy	
Physiology		4
BIO 277	Human Physiology	
or KIN 292	Clinical Human Physiology	
Physics		8
<i>Select one option of the following:</i>		
Option A		
PHY 211	General Physics I	
PHY 212	General Physics II	
Option B		
PHY 291	General Physics I with Calculus	
PHY 292	General Physics II with Calculus	
General Chemistry		8
CHE 111	General Chemistry I	
CHE 112	General Chemistry I Laboratory	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
General Psychology		3
PSY 121	General Psychology	
Human Growth and Development		3
HDF 211	Human Development Across the Life Span	

or PSY 250 Developmental Psychology

CPR Certification

Residential Colleges

Including Warren Ashby Residential College, Ione Grogan Residential College, and Cornelia Strong Residential College*University Teaching and Learning Commons*

114 Guilford Hall

336-256-1397

<http://residentialcolleges.uncg.edu>**Jennifer Stephens**, *Director of the Residential Colleges Office (RCO),**Department of Educational Leadership and Cultural Foundations***Katherine Stamey**, *Business Coordinator for the Residential Colleges Office***Sara Littlejohn**, *Program Chair of Warren Ashby Residential College and Cornelia Strong Residential College, Department of English***John Sopper**, *Program Chair of Ione Grogan Residential College, Department of Religious Studies***Chrissy Flood**, *Associate Program Chair of Warren Ashby Residential College, Department of History***Sarah Colonna**, *Associate Program Chair of Ione Grogan Residential College, Women's and Gender Studies Program***Anne Barton**, *Associate Program Chair of Cornelia Strong Residential College, Department of History***Will Dodson**, *Residential College Coordinator of Warren Ashby Residential College and Cornelia Strong Residential College, Department of Media Studies*

UTLC Curriculum Committee

*Jennifer Stephens (Chair), Director of the Residential Colleges Office (RCO), School of Education**Katherine Stamey (Administrative Support), Business Coordinator for the Residential Colleges Office**Denise Gabriel, College of Visual and Performing Arts**Sara Littlejohn, Program Chair of Warren Ashby Residential College and Cornelia Strong Residential College, College of Arts and Sciences**Jessica McCall, College of Arts and Sciences**Brett Nölker, College of Visual and Performing Arts**Carrie Rosario, School of Health and Human Sciences**John Sopper, Program Chair of Ione Grogan Residential College, College of Arts and Sciences**Larry Taube, Bryan School of Business and Economics**Catherine Sykes, School of Nursing**Melody Zoch, School of Education*

About

The Residential Colleges (Ashby, Grogan, and Strong) provide a small college environment within the large university setting, with the advantages of both available to students. Administered by the Residential colleges Office in the University Teaching and Learning Commons, the Residential Colleges are curricular and co-curricular academic communities designed around high-impact educational practices and populated by first- and second-year students who live together in a residence hall and take a common core of general education and capstone courses around a particular concept such as social justice and contemporary media literacies (Ashby), professionalism (Grogan), or sustainability (Strong). Having been a part of the UNC Greensboro academic community since 1970, these innovative living-learning environments offer a full slate of General Education courses in

addition to a series of core courses that speak to and engage with a key concept that frames the curricular and co-curricular programming in each RC. The Residential College model is founded on the idea that students who engage with faculty, take classes together in small communities, and connect their intellectual and academic experiences to their lives and communities have a better chance at thriving in college, while learning to explore new ideas and asking how that knowledge might benefit others.

Open to first- and second-year students in every major on campus, the Residential Colleges help students develop a strong foundation in critical inquiry, writing, speaking, and problem solving, as well as personal and social responsibility. Rich in traditions, the Residential Colleges each maintain a series of annual signature events and unique academic and social programs. The following unique curricular foci and signature pedagogies/methodologies integrate the courses and learning experiences within each RC:

Ashby Residential College in Mary Foust Hall

Curricular Focus: Social Justice and Contemporary Media Literacies

Signature Pedagogy/Methodology: Multi-literacies and Genre Work

Grogan Residential College in Grogan Hall

Curricular Focus: Professionalism

Signature Pedagogy/Methodology: Project- and Team-Based Learning

Strong Residential College in Guilford Hall

Curricular Focus: Sustainability

Signature Pedagogy/Methodology: Ethnography and Field Work

Vision

Drawing on our rich histories, the Residential Colleges offer students innovative and multidisciplinary courses, close working relationships with faculty, and leadership opportunities that encourage intellectual curiosity, personal development, and civic engagement. Additionally, the Residential Colleges provide opportunities for faculty to refine their teaching praxis through supported development in High-Impact Educational Practices (HIPs).

Requirements

Admission into one of the Residential Colleges is required for enrollment in courses and participation in co-curricular and social programs offered by the Residential Colleges. To apply for admission, incoming students submit a completed application form online during the university admissions process. Once enrolled in the Residential Colleges, students may earn graduation cords and be eligible for awards and scholarships by fulfilling the following minimum requirements:

1. Fulfillment of RC-specific participation expectations, including residency in a Residential College
2. Completion of 6–9 credits of core RCO courses that meet the university's General Education requirements
3. Completion of a capstone RCO course, including presentation of an undergraduate research project

Ashby Residential College

University Teaching and Learning Commons

124 Mary Foust Hall

336-334-5915

<http://utlc.uncg.edu/residentialcolleges/ashby>

Sara Littlejohn, *Program Chair of Ashby Residential College, Department of English*

Christine Flood, *Associate Program Chair of Ashby Residential College, Department of History*

Will Dodson, *Residential College Coordinator of Ashby Residential College, Department of English and Department of Media Studies*

Faculty

Rebecca Adams, Department of Sociology

Frances C. Arndt, Director Emeritus, Department of English

Murray D. Arndt, Director Emeritus, Department of English

Elizabeth Chiseri-Strater, Department of English

Will Dodson, Residential College Coordinator of Ashby Residential College, Department of English and Department of Media Studies

Christine Flood, Associate Program Chair of Ashby Residential College, Department of History

Margaret Hood, Department of Biology

Lynda Kellam, Jackson Library and Department of Political Science

Larry Lavender, School of Dance

Jay Lennartson, Department of Geography

Sara Littlejohn, Program Chair of Ashby Residential College, Department of English

Matthew McNees, Department of English

Mark Moser, Department of History

Bennett Ramsey, Department of Religious Studies

Ashby Residential College Core Values

Liberal education, multiliteracies, innovative learning, and social justice.

Vision Statement

Ashby Residential College is a home on campus where students can relate serious academic studies to communal issues and personal development. Ashby upholds a tradition that fosters friendships, a commitment to life-long learning, and a responsibility to the community.

Mission Statement

Ashby Residential College, founded in 1970, is the oldest residential college in North Carolina. We foster a holistic academic community grounded in liberal education and multiliteracies. Our primary intellectual and social commitments are to global engagement, social justice, and multiliteracies, which includes sustainability, wellness, and global human rights. Our innovative, multidisciplinary curriculum and self-governing activities encourage students to:

- Integrate and apply knowledge to societal challenges with progressively higher levels of explorations and expectations;
- Organize, plan, and implement projects that foster personal development, innovation, leadership, and civic engagement; and
- Develop with faculty, staff, and alumni a strong and diverse community connected by a respect for individuality and a balance between public and private values.

Overview

Ashby Residential College, founded in 1970, is the oldest residential college in North Carolina. We foster a holistic academic community grounded in liberal education and multiliteracies. Our primary intellectual and social commitments are to global engagement, social justice, and multiliteracies, which includes sustainability, wellness, and global human rights. We value faculty-student interactions and emphasize small-seminar classes that meet UNC Greensboro general education requirements. In-house programs provide support in terms of advising,

library access, research, and developing skills in speaking and writing. Self-governing activities encourage students to integrate and apply knowledge to societal challenges, implement projects that foster personal development, innovation, leadership, and civic engagement. Mary Foust Hall houses approximately 120 co-ed freshmen and sophomores. All students who have been admitted to UNC Greensboro automatically qualify for application to Ashby. Anyone who wishes to receive more information about the program is encouraged to contact the Ashby Office, located in 124 Mary Foust Hall, 336-334-5915, and to visit the website: <http://ashby.uncg.edu>.

Ashby Residential College in Mary Foust is an inclusive, two-year program that offers a unique living and learning environment for a co-ed student community of approximately 120 freshmen and sophomores with a limited number of Upper-Class Mentor participants. Ashby is a small college but with immediate and complete access to the diverse facilities, programs, and departments of a larger university. Ashby provides a setting that encourages innovative study, small classes, unity of academic and social experiences, and close student-faculty contacts. A Residential College Coordinator, who serves on the faculty, resides in the hall. Other faculty members have offices in the residence hall. Students and faculty serve on governing committees and participate together in special events within the community.

Every semester, the Ashby curriculum includes approximately eighteen courses taught by faculty from departments across campus. These courses meet UNC Greensboro general education requirements as well as requirements for a variety of majors. All students are asked to participate in one of the ARC multidisciplinary core courses, which represent four to five integrated courses from the Ashby curriculum, and to choose another class from the other curricular offerings, which represent a wide range of academic subjects. These seminars, along with varied types of independent study and community service work, make up approximately six hours of a student's semester course load. The remaining semester hours are taken within the greater university. Ashby students are not only full members of UNC Greensboro, but are also encouraged to participate in the life of the university.

Grogan Residential College

University Teaching and Learning Commons

108 Grogan Hall
336-334-5898
<http://grogan.uncg.edu>

John Sopper, *Faculty Program Chair, Department of Religious Studies*
Sarah Colonna, *Associate Program Chair*

Faculty

Sarah Colonna, Associate Program Chair

Mark Engebretson, School of Music

Susan Fancher, School of Music

Britt Flanagan, School of Nursing

Denise Gabriel, School of Theatre

Margaret Hewitt, School of Nursing

Margaret Horton, Department of Biology

Sarmad Hindo, Department of Chemistry and Biochemistry

Larry Lavender, College of Visual and Performing Arts

Dale Schunk, Department of Teacher Education Higher Education

John Sopper, Faculty Program Chair, Department of Religious Studies

Caitlin Spencer, Department of Educational Leadership and Cultural Foundations

Aaron Terranova, Department of Kinesiology

About

Grogan Residential College is a two year, residential and academic program that serves undergraduate students in all majors offered at UNC Greensboro. Recognizing the changing realities of work, Grogan helps students connect their passion, curiosity and interests to their learning and development as future professionals. Grogan offers a personalized approach, project based learning strategies, and opportunities for broad-based leadership and professional development.

Grogan College also serves as a “teaching innovations lab” where UNC Greensboro faculty develop new and more effective approaches to teaching and learning. Through its unique residential environment, dedicated faculty, innovative CORE courses and related experiential learning opportunities, Grogan College helps students develop perspectives, aptitudes and skills needed for sustained professional success in a changing world.

Mission Statement

Grogan Residential College fosters active lifelong learners and creative future professionals.

Members of Grogan College:

- take Grogan Core courses that connect passion and curiosity to learning and professional development.
- live with other students who share similar academic and professional interests.
- connect with faculty through courses, workshops, field experiences and other programs.
- engage with peer mentors.
- develop a capstone portfolio that effectively communicates the value of their Grogan experience and articulates their future professional path.

Strong Residential College

University Teaching and Learning Commons

121 Guilford Residence Hall
336-334-1325
<http://utlc.uncg.edu/residentialcolleges/strong>

Sara Littlejohn, Program Chair
Anne Barton, Associate Program Chair

Strong Residential College, founded in 1994, fosters a holistic academic community grounded in liberal education with an intellectual commitment to sustainability and hands-on research.

Strong College strives to help students make connections to the larger, global landscape by focusing on creating sustainable social, economic, structural, aesthetic, and environmental futures through fieldwork research, reflection, and learning—an approach that ultimately threads observation and analysis into intentional connections between education and social responsibility.

Students in this closely knit community will take at least two core courses focused on sustainable communities during their four semesters in the program and will also have the option of taking General Education courses open only to Residential College students. In the fourth semester, students will complete independent capstone projects structured

around the concept of sustainable communities. During the two years of the program, students will develop their leadership skills through participation in Strong College committees and will live in Guilford Residence Hall.

School of Education Licensure Programs

Office of Student Services

142 School of Education Building
336-334-3410
<https://soe.uncg.edu/home/licensureprograms/>

About

Teacher licensure in North Carolina and qualification for licensure in most of the other states may be earned at four UNC Greensboro professional schools and various departments within the College of Arts and Sciences. Students may select licensure programs in a variety of subject areas.

The School of Education offers programs in Elementary Education, Middle Grades Education, Professions in Deafness, and Special Education; and jointly directs, with departments in the College of Arts and Sciences, programs for teacher licensure in core academic subjects at the secondary level.

The School of Health and Human Sciences, the College of Visual and Performing Arts, and the College of Arts and Sciences, in collaboration with the School of Education, offer teacher education curricula.

Graduates of approved teacher education curricula are eligible for initial licensure on the basis of UNC Greensboro's recommendation to the State Department of Public Instruction. As requirements may vary among departments, students should check with their major advisor for specific information regarding their program.

Important information for all education students at UNC Greensboro can be found in the Teacher Education Handbook.

Admission to Teacher Education

All students who wish to be recommended for teacher licensure in any of the subject areas must be admitted to a specific Teacher Education Program. Students should apply for admission to Teacher Education at the end of their sophomore year and be admitted no later than the first semester of their junior year.

The following requirements must be met:

1. Grade point average of at least 2.50 (some departments require a GPA higher than a 2.50 to be admitted to teacher education). To determine if students meet this standard, the grade point average (GPA) is calculated using all relevant undergraduate course work.
2. Recommendation of the school or department where major is to be taken
3. Achievement of minimum score requirements as set by the North Carolina Department of Public Instruction on the Professional Assessment for Beginning Teachers (Praxis I, ACT, or SAT)
4. Completion of at least 12 s.h. at UNC Greensboro. The 12 s.h. shall be waived for any transfer student who meets ALL of the aforementioned requirements for admission to Teacher Education.

The grade point average for transfer students will be the transferable GPA as computed by the Office of Undergraduate Admissions.

- Background check requested through UNC Greensboro's affiliated company as described in the Teacher Education Handbook.

For additional requirements specific to a program, students should check with their major school or department. Students should contact the Office of Student Services (located in the School of Education Building, 334-3410) for:

- Clarification of admission requirements.
- Appeal of the application of a rule or regulation.

More information on this topic can be found in the Teacher Education Handbook.

Admission to Student Teaching

During the junior year, students already admitted to the Teacher Education Program must apply for admission to Student Teaching.

Student Teaching admission includes:

- Grade point average of at least 2.50 (some departments require a GPA higher than a 2.50 for student teaching).
- Approval of the school or department in which the student is majoring.
- Completion of additional requirements specific to the major department or school teacher education program.

Application forms are available online from the School of Education Licensure Programs website. Forms must be submitted by November 1 for student teaching **in the fall of the following year**, and by February 15 for student teaching **in the spring of the following year**.

Student teaching assignments are usually made in schools within commuting distance of UNC Greensboro. Teacher education students are individually responsible for expenses incurred during student teaching, including transportation.

Student teaching in some subject areas is offered only in either the fall or the spring semester. Any student who plans to student teach should check with his or her major program about when student teaching will be offered in a particular subject area.

More information on this topic can be found in the Teacher Education Handbook.

General and Professional Education Requirements

Requirements for teacher licensure are specified in the respective program descriptions. **Candidates should know program specific requirements.** This information is available on the department websites, handbooks of their licensure programs, and/or in the *University Catalog*. Students should also speak with their advisors about admission requirements as all licensure programs rely heavily on early and adequate advising.

Requirements

For Elementary and Middle Grades Licensure

Refer to the Department of **Teacher Education and Higher Education** page of this Bulletin for program requirements.

For K–12 Special Subject-Area Licensure

Refer to the appropriate K-12 Special Subject-Area Licensure page of this Bulletin for program requirements.

For Secondary Subject-Area Licensure (Grades 9–12)

The following courses must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.

Code	Title	Credit Hours
TED 435	Literacy in the Content Area	
ERM 405	Measurement and Assessment in Teaching	
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning	
TED 4XX:	In the appropriate subject area	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	
LIS 120	Introduction to Instructional Technology for Educational Settings *	

* *Strongly recommended.*

Second Academic Concentration Requirement

All students majoring in Elementary and Physical Education are required to complete an approved second academic concentration consisting of a minimum of 18 credit hours in a basic academic discipline or an approved interdisciplinary field of study. Depending on the academic discipline selected, a maximum of 6 s.h. may be counted toward General Education requirements and the second concentration. This requirement became effective for all students who entered the university in Fall 2005. Some departments (e.g., French and Spanish) require 24 hours for their second academic concentration. All students majoring in Middle Grades Education must complete 24, 25, or 27 hours in two of five content fields: Language Arts, Mathematics, Science, and/or Social Studies. This requirement also applies to students seeking a second degree in one of the affected majors. Students should check with the major school and/or department about this requirement or additional requirements specific to individual programs.

Teacher Licensure in Comprehensive Secondary Social Studies

Students majoring in anthropology, geography, history, political science, psychology, or sociology can seek teacher licensure in comprehensive secondary social studies. Students seeking social studies licensure must take a total of 18 credit hours in history and economics beyond their major requirements from the departments of anthropology, geography, political science, psychology, and sociology. Because history majors need to achieve breadth in social science content and methods, history majors must complete an additional 15 hours of social science electives. Courses must be selected from the following approved list. This list is

also available from the School of Education Office of Student Services (School of Education Building), the student's major advisor, or the social studies advisor in the School of Education. Substitution of any requirements needed for licensure may be made by the social studies advisor in the School of Education.

Courses Satisfying Competencies for the Standard Professional I License in Secondary Social Studies

All secondary social studies licensure students must complete the 18 credits detailed below and one additional 300-level history course.

Code	Title	Credit Hours
ECO 101	Introduction to Economics	
HIS 308	Navigating World History	
HIS 316	Interpreting American History	
HIS 430	Historical Methods for Social Studies Teachers	
HIS 440	Principles and Practices for Teaching History	

History majors must complete an additional 15 credits of social studies electives.

This licensure program relies heavily on early and adequate advising. It is the student's responsibility to meet as soon as possible with both his/her major advisor and the secondary education advisor in the School of Education Office of Student Services. See other sections in this chapter for additional teacher licensure requirements.

Note that some courses identified below may have prerequisites and many satisfy general education requirements. Choose five courses from the list below from at least three different disciplines.

Code	Title	Credit Hours
ATY		
ATY 213	Introduction to Cultural Anthropology	
ATY 258	Introduction to Archaeology	
ATY 330	Cultures of North American Indians	
ATY 333	Latin American Societies and Cultures	
GES		
<i>GES courses listed below or other regional course.</i>		
GES 104	World Regional Geography	
GES 105	Introduction to Human Geography	
GES 106 & GES 103L	Geosystems Science and Earth Science Laboratory	
GES 306	World Economic Geography	
GES 315	The Geography of World Affairs	
GES 344	Geography of the United States and Canada	
GES 491	Current Topics in Regional Geography	
GES 651	Seminar in Regional Geography	
PSC		
PSC 200	American Politics	
PSC 260	Introduction to Comparative Politics	
PSC 290	The Politics of the Non-Western World	
PSY		
PSY 121	General Psychology	
PSY 230	Biological Psychology	

PSY 240	Principles of Learning
PSY 250	Developmental Psychology
PSY 260	Psychological Perspectives on Social Psychology
PSY 280	Cognitive Psychology
PSY 385	IQ and Intelligence
SOC	
SOC 101	Introduction to Sociology
SOC 202	Social Problems in Global Context
SOC 323	Global Deviance
SOC 335	Marriage and the Family
SOC 344	Global Society
SOC 362	Sociological Perspectives on Education
SOC 365	(COURSE INACTIVE)
SOC 420	Family Violence

Application for Teacher Licensure

An application for licensure should be filed with the Office of Student Services within two weeks of graduation. Students should be aware that the licensure process will take six weeks or longer after graduation to be completed.

UNC Greensboro recommends for a teacher's licensure those students who have completed the appropriate teacher education curriculum, attained acceptable competencies, and whose work has been approved by the appropriate department.

To be licensed in North Carolina, students must meet the specific state requirements for licensure, including an adequate score on relevant Praxis subject-area exams for several licensure programs and demonstration of technology competencies.

Teacher Education Curricula

Programs in teacher education are offered at UNC Greensboro in the four broad areas listed below. Their description is found under the school and/or department listed beside each program. Requirements for teacher licensure are specified in the program descriptions under each respective department.

Birth–12 Licensure

Professions in Deafness—Specialized Education Services

Birth–Kindergarten, Elementary, and Middle Grades Licensure

Auditory/Oral (B–K)—Specialized Education Services

Birth through Kindergarten (B–K)—Human Development and Family Studies

Elementary Education (Grades K–6)—Teacher Education and Higher Education

Middle Grades Education (Grades 6–9)—Teacher Education and Higher Education

K–12 Special Subject-Area Licensure

Art Education—Art

Music—Music Education

Physical Education and Health Teacher Education—Kinesiology

Professions in Deafness—Specialized Education Services

School Social Work—Social Work

Second Language in French and Spanish—Languages, Literatures, and Cultures

Special Education—Specialized Education Services

Theatre Education—Theatre

Secondary Subject-Area Licensure (Grades 9–12)

Comprehensive Science—Biology

Comprehensive Science—Chemistry and Biochemistry

English—English

Latin—Classical Studies

Mathematics—Mathematics and Statistics

Comprehensive Science—Physics and Astronomy

Comprehensive Social Studies—Teacher Education and Higher Education

Integrated Science—Interdepartmental Program

LLOYD INTERNATIONAL HONORS COLLEGE

205 Foust Building
336-334-5538
<http://honorscollege.uncg.edu>

Omar H. Ali, *Professor and Dean of the College*

Rebecca Muich, *Assistant Dean*

Angela Bolte, *Assistant Dean*

Christopher Kirkman, *Senior Academic Honors Advisor and Coordinator of International Honors*

Maria Hayden, *Coordinator of Data and Student Records/Honors Academic Advisor*

Julie Boyer, *Coordinator of Admissions and Academic Advisor*

Portia Harris, *Coordinator of Programming and Academic Advisor*

Linda Dunston-Stacey, *Budget and Operations Manager*

Margaret Patton, *Administrative Associate*

About

Lloyd International Honors College (LIHC), a member of the National Collegiate Honors Council, provides motivated, high achieving undergraduate students in all fields of study with an enhanced education that has an international focus. LIHC is an intellectually engaged community devoted to fostering critical thinking, global awareness, and strong preparation for professional, civic, and personal pursuits using experiential learning opportunities and innovative pedagogies of performance, play, and improvisation.

Admission to Lloyd International Honors College

Admission to Lloyd International Honors College is required to take courses offered by the Honors College and to participate in many of Lloyd International Honors College's programs. Admission processes for International Honors and Disciplinary Honors are detailed on the website. Minimum requirements to be considered for admission depend on the applicant's status at the time of application. Admission to the college is competitive. Meeting minimum requirements does not guarantee admission.

Incoming First-Year Students

To be eligible to apply for admission to Lloyd International Honors College, the prospective student must meet minimum test score or high school GPA requirements set by the college, which can be found on the college's website.

Transfer Students

An aggregate transferable GPA of 3.30 is required from all former institutions. Transcripts to verify the aggregate GPA should be submitted to Undergraduate Admissions from all prior institutions attended.

Continuing UNC Greensboro Students

Continuing UNC Greensboro students must have at least a 3.30 UNC Greensboro GPA. They must meet with an Honors academic advisor to receive the application for current students. Continuing UNC Greensboro students must have at least a 3.30 UNC Greensboro GPA. **If applying for International Honors**, they must meet with an Honors academic advisor

to review their options and receive the application for current students. **If applying for Disciplinary Honors**, students may apply directly on the LIHC website.

Lloyd International Honors College Petition Policy

Incoming first-year UNC Greensboro students who do not meet one of the specified criteria for admission to Lloyd International Honors College may petition the dean for admission. When the candidate makes a persuasive case that he or she is fully capable of succeeding in International Honors, the dean may admit the student. A student admitted through the petition process will be expected to meet all of the requirements for maintaining good standing in the International Honors Program, and is subject to the same rules as other Honors College students, including the conditions requiring suspension or removal from the college.

Programs

Lloyd International Honors College offers three enhanced academic programs—the International Honors Program and the Disciplinary Honors Program. Students who complete both the International Honors Program and the Disciplinary Honors Program are recognized for their high achievement and awarded Full University Honors.

International Honors

The International Honors Program is designed to complement and enrich the university's General-Education Program for students in any major. Students who complete the International Honors Program replace regular general-education courses with Honors general-education courses, reach the intermediate level of language competency in a second language, and complete a semester of study abroad, thus providing themselves with a solid liberal education with international and global perspectives, that is a valuable foundation for study in any major and for life after graduation.

Disciplinary Honors

The Disciplinary Honors Program allows students in all majors to do Honors work in their majors or in upper-division interdisciplinary studies. Through Disciplinary Honors, students have the opportunity to study topics in depth and to do research under the supervision of a faculty member, thus giving themselves a competitive advantage when applying to graduate school or beginning a career.

Community College Memoranda of Understanding

- Alamance Community College (NC)
- Durham Technical Community College (NC)
- Haywood Community College (NC)
- Robeson Community College (NC)
- Southwestern Community College (NC)

Students who graduate from the four listed community colleges with a college-transferrable degree [e.g., Associates in Arts (A.A.) or Associates in Science (A.S.)] may earn the Designation of Honors Graduate from Lloyd International Honors College at UNC Greensboro. The student must transfer in at least 12 hours of Honors course work, be accepted into Lloyd International Honors College through the UNC Greensboro admissions process, and complete the following:

- Proficiency in a foreign language (at the 204-level or higher),
- An approved international experience,
- Disciplinary Honors in the major (with grades of B or better in all Honors work), and
- Achievement of a 3.30 GPA or higher at the time of graduation from UNC Greensboro

To apply for this program, students planning to transfer from the four listed community colleges must submit a Transfer Application to UNC Greensboro through the UNC Greensboro Undergraduate Admissions Office and indicate interest in applying to Lloyd International Honors College. Students will then receive an invitation to apply to LIHC through the “Current UNC Greensboro Student Application.”

Students entering LIHC under this memorandum of understanding must apply by April 1 in order to be eligible to begin disciplinary honors in the following fall semester, or by November 1 in order to do so in the following spring semester. Students entering under this memorandum must maintain good standing and fulfill other requirements that the college applies to all Honors students.

Courses

Honors courses are taught by faculty members who are among the best at UNC Greensboro, who are deeply engaged with their disciplines, and who are dedicated to helping students achieve their greatest potential. Honors courses are typically small (15–25 students) and foster discussion, collaboration, and mutual discovery among students and faculty. Typically, Honors courses fulfill a variety of university and departmental requirements.

There are several types of Honors courses:

- Honors Seminars in which students explore interdisciplinary topics in greater breadth and/or depth than in typical courses while fulfilling General Education Core requirements;
- Honors sections of regular UNC Greensboro courses that allow students to explore other topics or continue to do Honors work in their major;
- Honors Tutorials and Honors Independent Study through which students either individually or in small groups work with a faculty member on a topic of mutual interest;
- The Senior Honors Project in which a student, under the guidance of a professor, produces a research project.
- Disciplinary Honors Contract courses that allow students to enhance a regular undergraduate course and receive Honors credit for that course. *Note: Honors Contract courses can be used only to fulfill Disciplinary Honors Program requirements; they cannot be used to fulfill International Honors Program requirements.*
- Embedded Honors courses. These are special sections of regular UNC Greensboro courses that meet in lecture with a larger non-Honors version of the course. While Honors students in embedded Honors courses share lectures with their fellow non-Honors students, they have a different syllabus and may have different texts, other readings, and additional assignments. Embedded Honors courses require the approval of Lloyd International Honors College and the associated department or school.

The variety of Honors courses, and particularly the chance to customize one's curriculum through tutorials and independent studies, means that students have considerable control over their own education. Moreover, many of the advanced Honors courses, such as the Senior Honors

Project, allow students to do original and sophisticated work, and are an excellent preparation for graduate school, professional training, and other post-graduation endeavors.

Honors Academic Advising

Lloyd International Honors College staff offers advanced group and individual advising to help students discover the best ways to take advantage of Honors at UNC Greensboro, and to make sure that students have the needed support and encouragement along the way to completing their degrees. A variety of informal information sessions and colloquia are also provided for students interested in talking about particular topics of interest such as study abroad, internships, or graduate school.

Extra-Curricular Activities and Student Involvement

Lloyd International Honors College sponsors a number of extracurricular events. Among these events are orientations for both International Honors and Disciplinary Honors, the annual Honors Symposium, the Artist-in-Residence program, Food for Thought, Monday Play!, Bon Voyage, Bon Retour, lectures and special performances, field trips, and community service projects. Honors students can participate in the Honors Ambassadors program, the DRAGONS Peer Mentoring program, the Gray Hall Fellows program, and the Student Reflection Leaders program.

Honors Abroad Experiences

In collaboration with UNC Greensboro's Office of International Programs, Lloyd International Honors College from time to time offers Honors Abroad Experiences for Honors students interested in an honors-enhanced study abroad experience at select locations. To be considered, students must:

1. submit an Honors Abroad application to Lloyd International Honors College and
2. be accepted for study abroad at an appropriate location by the International Programs Center.

Accepted students are given an all-expenses paid (except for food) week, or more, at a foreign location with a UNC Greensboro faculty member.

Students accepted into an Honors Abroad Experience enroll in HSS 310, a three-credit Honors course, in addition to whatever courses are taken at the host institution. HSS 310 requires that students meet with a UNC Greensboro faculty member before traveling abroad to discuss readings about their trip and the character of the country they are about to visit. Students and the UNC Greensboro faculty member then spend approximately a week exploring and taking in cultural activities abroad associated with a particular academic topic. During their semester, students travel and engage in a variety of writing assignments that allow them to reflect on their experience. Finally, students gather for a colloquium upon returning to UNC Greensboro the following semester.

Honors Awards

Lloyd International Honors College administers awards that recognize high achievement. At the Honors Convocation every spring, the college's Honors Council bestows the Student Excellence Award, the university's highest academic undergraduate honor, on outstanding seniors. At the end of each semester, the Honors College honors students who have

successfully completed one of Lloyd International Honors College's programs at a cording ceremony or banquet.

Honors Housing

North and South Spencer Honors Residence Halls and Gray Honors Residence Hall are housing options for Honors students only and are required for incoming freshmen living on campus. Incoming Honors freshmen may apply to live in North and South Spencer Residence Halls upon their acceptance into the International Honors program. Gray Honors Residence Hall serves sophomore through senior Honors students who are interested in Undergraduate Research and/or community engagement. South Spencer Hall is the Honors Collaborative, in which incoming and current Honors students as well as non-Honors students may reside. Current Honors students who desire to live in the Honors Residence Halls must be in good standing (have a 3.30 UNC Greensboro GPA at time of application) and are required to remain in good standing and to meet other requirements that can be found on the Honors College website in order to continue living in the hall.

Honors Council

Omar H. Ali (Chair)—Dean of Lloyd International Honors College

Deb Bell —College of Visual and Performing Arts

Rochelle Brock—School of Education

Nadja Cech, Sarah Daynes, and Cerise Glenn Manigault—College of Arts and Sciences

Leslie Davis—School of Nursing

Nicole Hall—Student Affairs

Eloise Hassell—Bryan School of Business and Economics

Tim Johnson—Housing and Residence Life

Kathleen Macfie—International and Global Studies Program

Penelope Pynes—International Programs Center

Daniel Rhodes—School of Health and Human Sciences

Lloyd International Honors College administers UNC Greensboro's Honors Programs: the International Honors Program, the Disciplinary Honors Program, and Full Honors, combining the requirements of International and Disciplinary Honors.

Disciplinary Honors Program

The Disciplinary Honors Program allows students in all majors to do Honors work in their majors or in upper-division interdisciplinary studies. Through Disciplinary Honors, students have the opportunity to study topics in depth and to do advanced research under the supervision of a faculty member, thus giving themselves a competitive advantage when applying for graduate school or beginning a career. In order to participate in and take Disciplinary Honors courses, students must have a 3.30 grade point average at the time of registration and meet all other course prerequisites.

Recognition

Students who complete the requirements for the Disciplinary Honors Program receive a Certificate of Disciplinary Honors in [major/ Interdisciplinary Studies], have that accomplishment, along with the title of their Senior Honors Project, noted on their official transcript, and are recognized at a cording ceremony or banquet at the end of each semester.

Requirements

The requirements for the Disciplinary Honors Program vary by Major (students should check the individual departments in this *Bulletin* for

details on specific course requirements) but, at a minimum, includes those provided below.

1. Minimum GPA
UNC Greensboro GPA of 3.30 or higher at graduation
2. Honors course work
At least 12 credit hours of Honors course work with grades of A or B as listed below.
 - a. Course work in the major
6 credits Honors course work in the major
 - b. Honors project course
HSS 490 Senior Honors Project
 - c. Additional course work
3 credits of Honors course work in the major or another area

In some departments, graduate-level course work qualifies as Honors for undergraduates.

For those students who wish to pursue Disciplinary Honors in Interdisciplinary Studies, the requirements are as provided below.

1. Minimum GPA
UNC Greensboro GPA of 3.30 or higher at graduation
2. Honors course work
At least 12 credits of Honors course work with grades of A or B as listed below. At least 6 credits must be at the 300 level or higher
 - a. Course work
9 credits Honors course work
 - b. Honors project course
HSS 490 Senior Honors Project

Requirements for Specific Majors

The requirements for the Disciplinary Honors Program vary by major. Each academic department at UNC Greensboro has a faculty Honors Liaison who is knowledgeable about both his or her programs and International Honors. You are encouraged to get to know the Liaison in your department, especially by the time you are a junior and fully in your major.

Specific information about pursuing disciplinary honors within any of the departments or programs listed below is provided with the information for that entity in this *Catalog*.

- Accounting and Finance
- African American and African Diaspora Studies
- Anthropology
- Archaeology
- Art
- Astronomy
- Biology
- Chemistry and Biochemistry
- Classical Studies
- Communication Sciences and Disorders
- Communication Studies
- Community and Therapeutic Recreation
- Computer Science
- Consumer, Apparel, and Retail Studies
- Dance
- Economics

- English
- Environmental Studies
- French
- Geography, Environment, and Sustainability
- German
- History
- Human Development and Family Studies
- Information Systems and Supply Chain Management
- Interior Architecture
- International and Global Studies
- Kinesiology
- Management
- Marketing, Entrepreneurship, and Hospitality and Tourism Management
- Mathematics and Statistics
- Media Studies
- Music Education
- Music Performance
- Music Studies
- Nursing
- Nutrition
- Peace and Conflict Studies
- Philosophy
- Physics and Astronomy
- Political Science
- Psychology
- Public Health Education
- Religious Studies
- Social Work
- Sociology
- Spanish
- Specialized Education Services
- Statistics
- Teacher Education and Higher Education
- Theatre
- Women's and Gender Studies Program

Full University Honors

Students who complete all the requirements for both the International Honors Program and the Disciplinary Honors Program are recognized for completing Full University Honors. Courses used to fulfill the requirements of one of those programs cannot be used to fulfill the requirements of the other.

Students who earn Full University Honors receive a Certificate of Full University Honors in [major/Interdisciplinary Studies], have that accomplishment, along with the title of their Senior Honors Project, noted on their official transcript, and are recognized at a banquet held at the end of each academic year.

International Honors Program

The International Honors Program is designed to complement and enrich the undergraduate study of motivated and high achieving students in all majors. In order to participate in Honors and enroll in courses, students must be admitted into, and maintain good standing in, the International

Honors Program. Students who complete the International Honors Program take Honors courses in a wide range of subjects, reach a basic level of language competency in a second language, study abroad for at least one semester, or complete an equivalent international experience. Courses taken in fulfillment of the requirements for the International Honors Program typically also fulfill the university's General Education Core requirements.

Requirements

To successfully complete the International Honors Program, a student must be a member of Lloyd International Honors College at the time of graduation, have a UNC Greensboro GPA of 3.30 or higher at graduation, have achieved a GPA of 3.0 or higher on all honors work attempted in the first two semesters of membership in the honors college, and have completed the course work detailed below with grades of B (3.0) or higher.

1. Course work
 - a. Seminar
A first-year Honors seminar (3 credits) in the first semester after having been admitted to Lloyd International Honors College
 - b. Colloquium
Colloquium course to be taken in the first semester after having been admitted to Lloyd International Honors College
HSS 198 Honors Colloquium
 - c. Additional course work
9 credits of additional Honors course work.
2. Additional requirements
In addition, a student must also complete the items detailed below.
 - a. Language
Master a language other than their native language through the equivalent of the 204 level of language courses taught at UNC Greensboro.
Ancient languages and sign languages are permitted. This requirement can be fulfilled by any combination of course work, placement tests, and appropriate evidence of mastery through other documentation.
 - b. International experience
Complete an approved international experience, usually in the form of studying abroad for a semester or a full academic year.
To document completion of the international experience, students must register either for HSS 299 or IGS 297 in the semester following the international experience.

Recognition

Students who complete the requirements for the International Honors Program receive a Certificate of International Honors, have that accomplishment noted on their official transcript, and are recognized at a cording ceremony or banquet at the end of each semester.

ABOUT UNC GREENSBORO

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Military-Affiliated Students (<https://veterans.uncg.edu>)

Undergraduate Resources (p. 664)

The Graduate School (<https://grs.uncg.edu>)

Research Centers and Institutions (p. 664)

Useful Links (p. 667)

About This Catalog

The publisher of this bulletin has made every reasonable effort to attain factual accuracy herein and has attempted to present information that most accurately describes the course offerings, faculty listings, policies, procedures, regulations, and requirements of the university at the time of publication on June 1, 2019; however, it does not establish contractual relationships. No responsibility is assumed for editorial, clerical, or printing errors, or error occasioned by mistake.

In very rare instances, requirements, rules, procedures, courses, and informational statements may change during the academic year. The university reserves the right to revise any part without notice or obligation; however, this document will not be altered and changes will be reflected in the subsequent edition.

Catalog Issue for the Year 2019-20
Announcements for 2018-19
Vol. 107

Announcements are published online three times per year: *Fall Schedule of Courses* in March, annual *University Catalog* in June, and *Spring Schedule of Courses* in October.

The *UNC Greensboro University Catalog* is jointly edited and published by:

University Registrar's Office
180 Mossman Building
The University of North Carolina at Greensboro
PO Box 26170
Greensboro, NC 27402-6170

The Graduate School
241 Mossman Building
The University of North Carolina at Greensboro
1202 Spring Garden Street
Greensboro, NC 27412

Notices

Policy on Discriminatory Conduct

The University of North Carolina at Greensboro is committed to the principle that educational and employment decisions should be based on an individual's abilities and qualifications and should not be based on personal characteristics or beliefs that have no relevance to academic ability or to job performance. Accordingly, UNC Greensboro

supports policies, curricula, and co-curricular activities that encourage understanding of and appreciation for all members of its community. UNC Greensboro will not tolerate any harassment of or discrimination against persons. UNC Greensboro is committed to equal opportunity in education and employment for all persons and will not tolerate any discrimination against or harassment of persons on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, political affiliation, genetic information, veteran status, disabling condition, or age. View the entire policy at http://policy.uncg.edu/university-policies/discriminatory_conduct.

Students who believe they have been treated unfairly should contact the Associate Vice Chancellor for Student Affairs at 336-334-5513. Any employee who believes he or she has been treated unfairly based on any of the above characteristics should contact his or her immediate supervisor, or the next level supervisor if the immediate supervisor is the subject of the allegation.

Equality of Educational Opportunity

The University of North Carolina at Greensboro is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, creed, gender, age, national origin, disability, military veteran status, political affiliation, or sexual orientation*. Moreover, the University of North Carolina at Greensboro is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of black students.

This commitment is in keeping with Title IX of the Educational Amendments of 1972 and Section 504, Rehabilitation Act of 1973.

The Affirmative Action Officer is responsible for coordinating compliance and investigating complaints.

Affirmative Action Officer
PO Box 26170
UNC Greensboro
Greensboro, NC 27402-6170
(336-334-5009)

Affirmative Action Program

Equality of Opportunity in the University

The following is reprinted from <http://www.northcarolina.edu/apps/policy/index.php?pg=vs&id=4408&added=1>.

Admission to, employment by, and promotion in the University of North Carolina and all of its constituent institutions shall be on the basis of merit, and there shall be no unlawful discrimination against any person on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, genetic information, or veteran status. (Chapter 1, Section 103)

UNC Greensboro's Statement of Commitment to Equal Opportunity

The following is reprinted from http://hrs.uncg.edu/Affirmative_Action/.

The Statement of Commitment to Equal Opportunity has been separated into three statements outlined further on the website linked above.

1. Statement of Nondiscrimination on the Basis of Sexual Orientation
2. Statement of Commitment to Equal Opportunity - Women and Minorities

3. Statement of Commitment to Equal Opportunity - Individuals with a Disability and Veterans

In addition to adherence to the UNC Greensboro Policy on Discriminatory Conduct, the university aims to achieve within all areas of employment a diverse faculty and staff capable of providing for excellence in the education of its students and for the enrichment of the total university community. In seeking to fill openings, every effort will be made to recruit in such a way that women and minorities will have an equal opportunity to be considered for and appointed to all vacant positions. All appointments, promotions, and all other personnel actions, such as compensation, benefits, transfers, training and educational programs, tuition assistance, travel assistance, research grants, support for graduate assistants, social and recreational programs, will be administered without regard to race, color, religion, sex (including pregnancy), gender identity, national origin, political affiliation, sexual orientation, genetic information and age, including sexual harassment, in such manner as is consistent with achieving a staff of diverse and competent persons. Unlawful discrimination, harassment, and retaliation are strictly prohibited.

Overall responsibility for the development and implementation of the University's Affirmative Action Program resides with the chancellor. The Affirmative Action Officer has been given the responsibility to monitor the effectiveness of the University's Affirmation Action Program and to assist in affirmative action policy and planning. This does not diminish in any way the responsibilities of deans, department heads, managers, and supervisors to assist in administering the affirmative action policy and planning through promulgation of information.

The University of North Carolina at Greensboro reaffirms its commitment to equality of opportunity in its relationships with all members of the university community.

* *The UNC Greensboro discriminatory conduct policy includes protection for transgendered individuals, and actual or perceived gender identity or expression, within its prohibited discriminatory conduct.*

Equity in Athletics Statement

Pursuant to the federal Equity in Athletics Disclosure Act, information about equity in UNC Greensboro's intercollegiate athletics programs may be obtained from the UNC Greensboro Athletic Department.

UNC Greensboro Athletic Department
337 HHP Building
UNC Greensboro
Greensboro, NC 27402

Policy Concerning Abuse of Alcohol and/ or Illegal Drugs

In accordance with the Federal Drug-Free Schools and Communities Act Amendments of 1989, which require that all students receive annual notice of the laws and/or policies regarding alcohol and drug abuse, the following information is provided:

Illegal or abusive use of drugs or alcohol by any member of the university community can adversely affect the educational environment and will not be accepted. Abuse of these substances can result in numerous physical and psychological health problems. Substance abuse is a factor in organ damage, increased risk of personal injury, impaired judgment, a factor in sexually transmitted diseases, and more.

Policies on alcohol and drugs can be found in the Policies for Students Manual distributed to all students upon their entrance into the university community. They also can be accessed via the Web at https://policy.uncg.edu/university-policies/illegal_drugs/.

Services for students experiencing problems with alcohol and other drugs are available through Student Health Services. They include the Medical Clinic (336-334-5340) and Counseling Center (336-334-5874). The School of Education houses the Nicholas A. Vacc Counseling and Consulting Clinic (336-334-5112) which offers a Substance Information Program (SIP) for education and assessment. Educational programs are also provided through the Department of Recreation and Wellness, <http://recwell.uncg.edu/wellness/> (336-334-5924).

Right-To-Know Statement

Pursuant to the federal Student Right-to-Know Act, UNC Greensboro graduation rates may be obtained from the Office of Institutional Research.

Office of Institutional Research
PO Box 26170
Greensboro, NC 27402-6170
336-256-0397

Public Records Policy

The full Public Records Policy can be accessed at https://policy.uncg.edu/university-policies/public_records_uncg/.

The University of North Carolina at Greensboro will be responsive to public records requests while at the same time striving to maintain the confidentiality of certain records as required by law. This policy shall be implemented in accordance with the North Carolina Public Records Act and other applicable federal and state laws. This Policy complies with the North Carolina Attorney General's North Carolina Guide to Open Government and Public Records. See <https://ncdoj.gov/Files/News/2019-Open-Government-Guide.aspx>. All records created or received in the course of public business by the University or its employees, in whatever format, including paper, photographs, recordings, computer records and emails, constitute public records, unless an exception applies.

Persons who seek to access the public records of the University should direct a written request to the University unit, e.g., department or division, from which the particular records are being sought. For example, student record requests should be directed to the office of the Registrar or Student Affairs. Personnel records requests should be directed to Human Resource Services (SPA employee records) or the office of the Provost (EPA employee records). Law enforcement records requests should be directed to the UNC Greensboro Police Department. Requests for information with regard to University athletics should be directed to the Athletics Department. If the requester cannot or will not reduce an oral request to writing, then the records custodian of the unit will reduce the request to writing and will obtain the requester's agreement to the accuracy of the writing before proceeding further.

Accreditation Status

The University of North Carolina at Greensboro is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, master's, specialist, and doctoral degrees and certificates. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia

30033-4097, or call 404-679-4500 for questions about the accreditation of UNC Greensboro.

Those interested may contact the Southern Association of Colleges and Schools Commission on Colleges for accreditation-related purposes such as inquiring about the accreditation status of UNC Greensboro, asking questions about the accreditation process, or to pursue procedures for filing complaints. All other inquiries, such as admission requirements, financial aid, educational programs, etc., should be made directly to UNC Greensboro, 336-334-5000.

Undergraduate Resources

Arts & Entertainment (<https://www.uncg.edu/arts-entertainment>)

International Programs (<https://international.uncg.edu>)

Lloyd International Honors College (<http://honorscollege.uncg.edu>)

New Students (<https://newstudents.uncg.edu>)

Online Courses & Degrees (<https://online.uncg.edu>)

Spartan Athletics (<http://www.uncgspartans.com>)

Students First Office (<https://studentsfirst.uncg.edu>)

Student Success Center (<https://studentsuccess.uncg.edu/home>)

Undergraduate Majors & Concentrations (<https://admissions.uncg.edu/majors-and-concentrations.php>)

University Registrar's Office (<https://reg.uncg.edu>)

Research Centers and Institutions

Center for Community-Engaged Design

102 Gatewood Studio Arts Building
(336) 334-5320
uncg.edu/iar/cc-ed

The Center for Community-Engaged Design is an interdisciplinary research center that fosters community/university partnerships for meaningful research and design of the built and natural environments.

Housed in the Department of Interior Architecture at the University of North Carolina at Greensboro, CC-ED collaborates with community partners, non-profit organizations, and municipal departments to address design-related projects in underserved areas and for underrepresented populations in the Piedmont-Triad area. Through community-engaged processes of research, service, visioning, teaching, and learning, CC-ED brings innovative design thinking and methodologies to bear in areas where resources are most limited.

Center for Housing and Community Studies

Suite 3605 Moore Humanities and Research Administration Building
(336) 334-3731
chcs.uncg.edu

The UNC Greensboro Center for Housing and Community Studies will stimulate the development and facilitation of interdisciplinary and community-based housing and community research, evaluation, and practice in the context of institutional and community collaborations.

Through multidisciplinary and community-engaged research the Center for Housing and Community Studies provides data, analysis, planning and evaluation that aids non-profit and governmental agencies in providing fair, affordable, and healthy housing and building safe and sustainable communities for all.

Center for Industry Research and Engagement

474 Bryan Building
(336) 334-4471

<https://bryan.uncg.edu/faculty-staff/research-resources/center-for-industry-research-engagement/>

Drawing on the expertise of the faculty of the Bryan School of Business and Economics, the Center for Industry Research and Engagement (CIRE) performs high-quality applied research in economic policy and business practice, including economic-impact analyses, industry studies, regional economic profiles, feasibility studies, opinion surveys, program assessments, and updates of current economic conditions.

Center for the Health of Vulnerable Populations

210 Moore Nursing Building
(336) 334-3701
nursing.uncg.edu/about/community/

The mission of the Center for the Health of Vulnerable Populations (CHVP) is to improve the knowledge of health disparities and vulnerable populations through research, collaboration and education. This includes initiatives to alleviate those disparities, thus improving the health, access, quality of care and quality of life of vulnerable populations. Strategies are designed to address the NIH Roadmap, Healthy People 2020, and Healthy Carolinians 2020 through partnerships with community stakeholders. To fulfill the mission, the Center:

1. Promotes and enhances research on aging, culture, disease processes, ethnicity, health care delivery, disparities, health education, health policy and health risks and behaviors;
2. Fosters collaborative research within the School, across the University and state, and involving community and international partners;
3. Disseminates research information to teachers, researchers, business leaders, health care providers, policy makers, the public and the international community; and
4. Develops new knowledge that contributes to better health, fewer health disparities and improved health care for vulnerable populations.

The CHVP activities include research training, research studies, grantsmanship, and outreach health education community partnerships.

Center for New North Carolinians

915 W. Gate City Blvd.
(336) 334-5411
cnnc.uncg.edu

The Center for New North Carolinians (CNNC) is committed to advancing the capacity of immigrants and refugees by building bridges between immigrant populations and existing communities throughout the state

of North Carolina. This is done via community-based outreach and advocacy, educational programming, research and evaluation, immigrant and refugee leadership development, cultural brokering, and educational opportunities for faculty and students. The CNNC was established in 2001 and currently serves clients from over 31 countries including but not limited to Bhutan, Burma, Central African Republic, Cuba, Democratic Republic of Congo, El Salvador, Eritrea, Ethiopia, Iraq, Mexico, Sudan, Syria, and Vietnam. Several ongoing projects include: AmeriCorps ACCESS Project, Community Centers, Thriving at Three, Immigrant Health ACCESS Project, Interpreter ACCESS Project, Microenterprise for Refugees in the Triad, Latino Community Coalition of Guilford, and Research Fellows.

Center for Translational Biomedical Research

6500 Laureate Way, Suite 4226
Kannapolis, NC 28081
(704) 250-5810
ctbr.uncg.edu

The UNC Greensboro Center for Translational Biomedical Research (CTBR) is housed in the UNC Nutrition Research Building at the North Carolina Research Campus (NCRC) in Kannapolis, NC, about 70 miles southwest of Greensboro. Scientists at the Center are conducting studies to understand the molecular mechanisms of disease pathogenesis and progression, identify biomarkers for diagnosis, and discover novel interventions for disease prevention and treatment. The current research activities at the Center focus on metabolic diseases, including steatohepatitis and diabetes mellitus. These studies entail molecular biology, metabolomics and proteomics approaches. Graduate students who are interested in joining the Center are encouraged to apply through graduate programs of the Department of Nutrition and the Department of Chemistry & Biochemistry.

Center for Women's Health and Wellness

Mail: 401 Coleman Building
Room: 126 Coleman Building
(336) 334-4736
hhs.uncg.edu/wordpress/cwhw/

The mission of the Center for Women's Health and Wellness is to help bring about a world where adults and children, of all gender identities and expressions, are able to live safe, healthy, productive and meaningful lives at home, school, work, and in their communities. We are particularly interested in advancing the health, wellness and quality of life of girls, women and LGBTQI individuals. Our goals are to:

1. Develop an interdisciplinary program of research and community-engaged scholarship; and
2. Connect research to practice through research dissemination, community education and service.

The Center's work is organized to provide interdisciplinary, community-informed solutions to specific social issues that build on the strengths of our university, faculty, students, and community partners. The Center is currently comprised of programs that focus our work in four areas: preventing and responding to gender-based violence; advancing girls and women in sport and physical activity; advancing breastfeeding and reproductive health; and advancing the health, wellness and quality of life

of LGBTQI populations. Administratively the Center is housed within the School of Health and Human Sciences.

Center for Youth, Family, and Community Partnerships

1001 W. Gate City Blvd.
(336) 334-3659
cyfcp.uncg.edu

The Center for Youth, Family, and Community Partnerships (CYFCP) is dedicated to building the capacity of families, service providers, researchers, teachers, and communities to promote the social, emotional, and cognitive well-being of children. In partnership with colleagues from across the University and the community, the Center:

- Carries out basic, applied, and action research;
- Translates research into effective programs and practice;
- Infuses community perspectives into university research and teaching;
- Facilitates strategic problem-solving processes; and
- Promotes programs, practices, and policies that are likely to yield positive outcomes for children and their families.

With funding from federal, state, local, and foundation grants, the Center's current initiatives focus on family-centered, system of care approaches to mental health service delivery and training of service providers, parenting, early childhood mental health and readiness, youth violence prevention and intervention, community health, and community-based evaluation.

Institute for Community and Economic Engagement

3710 MHRA
(336) 256-2578
communityengagement.uncg.edu

Collaborators working with the Institute for Community and Economic Engagement (ICEE) focus on infusing community engagement into the strategic goals of the university and issues of importance to communities across the Piedmont Triad, state, nation, and world. ICEE supports, elevates, and amplifies the efforts of faculty, staff, student, and community colleagues from across all sectors as they employ teaching, learning, research, creative activity, and service in pursuit of these goals.

The institute serves as a central communication hub for community engagement activities, relationships, resources, scholarship, best practices, and outcomes. ICEE works campus-wide with academic affairs, student affairs, and administrative offices to integrate community engagement into core academic work and systems to advance institutional and community aims.

ICEE activities fall into six strategic areas.

1. The institute enhances the pursuit of scholarly agendas and practices of community engagement.
2. It promotes community engagement as a strategy to achieve key institutional goals among departments, programs, offices and units that offer student teaching and learning opportunities.
3. It tracks and assesses the broad range of community-engaged activities, programs, and initiatives across the university;

4. It works to expand UNC Greensboro's capacity to identify and establish mutually beneficial community-university partnerships.
5. It strengthens UNC Greensboro's reputation as a collaborative, inclusive, responsible, and effective member of the communities of which it is a part.
6. It supports initiatives to grow community engagement relationships and community-engaged scholarship.

Institute for Data, Evaluation, and Analytics (IDEA)

1702 MHRA
(336) 256-0426
idea.uncg.edu/

The Institute for Data, Evaluation, and Analytics (IDEA), formerly known as the Center for Social, Community and Health Research and Evaluation, is a "virtual organization" developed to promote and support UNC Greensboro's wide expertise in data analytics, evaluation, and research. It provides a visible and easily accessible point of contact for the external community seeking consulting services and technical assistance. IDEA is composed of university partners (faculty, departments, other centers) spanning a wide range of skills and supported by a comprehensive array of analytical software and technology as well as a robust computing environment with data security and comprehensive backup. By working collaboratively with personnel, units, departments, investigators, other UNC Greensboro Centers, and agencies on data collection and analysis efforts, IDEA provides technical assistance to the UNC Greensboro community and to outside agencies and programs and allows UNC Greensboro and community, institution, state, national, and international partners to meet their accountability goals and objectives and to increase their capacity to serve their constituencies.

Institute to Promote Athlete Health and Wellness

437 Coleman Building
(336) 334-9727
athletewellness.uncg.edu/

The Institute to Promote Athlete Health & Wellness is at the forefront of excellence in health promotion for athletes of all ages and levels of competition. The Institute's vision is to improve the health and wellness of athletes through the translation of prevention research to effective policies and practices. Areas of focus include, but are not limited to

1. Alcohol and other drug education/prevention,
2. The prevention of interpersonal violence,
3. The promotion of effective stress management, decision making, and communication skills and
4. The promotion of healthy relationships and emotional health.

Their mission is to work collaboratively with a variety of organizations to provide educational resources and support through evidence-based programming, training, research, and evaluation to effectively promote athlete health and wellness thereby fostering lifelong athlete development. The Institute accomplishes this by providing valuable technical and research/evaluation support for organizations that serve athletes.

Medicinal Chemistry Collaborative

435 Sullivan Science Building
(336) 334-5402
mcsquared.uncg.edu/

Natural products research examines plants, microorganisms, and other elements of the natural world to identify potentially beneficial chemical entities, such as anticancer agents, antibiotics, and agrochemicals. Studying the activities of these substances allows researchers to optimize their effectiveness and develop similar materials (analogues) with ideal biological properties. Natural products research provides insight into the effectiveness of herbal remedies, basic biological processes, and more. By leveraging expertise across disciplines, the Medicinal Chemistry Collaborative looks at the larger picture and pursues richer and more fruitful discoveries.

North Carolina Entrepreneurship Center

1718 MHRA Building
(336) 256-8649
ncec.uncg.edu

The North Carolina Entrepreneurship Center (NCEC) is a campus-wide, cross-disciplinary center that has community engagement building student and community connections as its primary focus.

Our mission is to help entrepreneurs start and grow their businesses, and to serve as a catalyst for the creation of sustainable and globally competitive enterprises in the Piedmont Triad, North Carolina, and beyond.

NCEC offers a range of outreach, instructional, and research opportunities including seminars, workshops and conferences featuring entrepreneurship education for students and faculty. It also offers extra-curricular entrepreneurial opportunities including public forums to educate the campus and community about entrepreneurship; lectures by visiting experts in various types of entrepreneurship; and business idea competitions and programs that create diverse opportunities for growing the entrepreneurial mindset.

North Carolina Sales Institute

441 Bryan Building
(336) 334-4413
bryan.uncg.edu/business-partners/ncsi/

The North Carolina Sales institute provides world-class sales education and research, carried out by two separate entities within the Bryan School: the Department of Marketing, Entrepreneurship, Hospitality & Tourism (MEHT) and the Office of Executive Education. The NCSI is a coordinating mechanism that works actively to integrate the elements of credit- and non-credit teaching, as well as research focused on sales. The target audiences are undergraduate and graduate students, current or aspiring sales professionals, and organizations in the private, public, and non-profit sectors, in the Piedmont Triad Region, the state of North Carolina, and beyond. The combination of undergraduate and graduate education and ongoing faculty scholarship, in conjunction with the membership opportunities for executive education through the Bryan School Office of Executive Education and the NCSI Sales Leadership Roundtable is unequalled by anything currently in existence in the state.

The SERVE Center at UNC Greensboro

Dixon Building

Gateway University Research Park
5900 Summit Avenue
Brown Summit, NC
(336) 315-7400 or (800) 755-3277
serve.uncg.edu/

The SERVE Center at UNC Greensboro is an educational research and evaluation, technical assistance, training, and dissemination center. Since 1991, we have worked with educators and policymakers in the Southeast and nationally on improving educational outcomes. Our research and evaluation projects have ranged from large-scale experimental designs to small-scale qualitative studies on topics extending from early childhood to high school reform. We have conducted over 200 program evaluations for states, districts, schools, and other organizations. Our work is funded by a variety of sources including contracts (with federal entities, states, districts, schools, and others) and competitive grant awards. Key aspects of current work are:

- Services for at-risk students. A cornerstone of SERVE's work in helping to improve services in this area is the operation of the National Center for Homeless Education (NCHE funded by the U.S. Department of Education). NCHE at SERVE Center operates as a national information clearinghouse and technical assistance provider to support the implementation of the McKinney-Vento Act (Title X, Part C of the No Child Left Behind Act). SERVE Center also operates the North Carolina state homeless education program.
- Evaluating high school reform. Through funding from the Institute of Education Sciences, SERVE is conducting a seven-year experimental study of the impact of early college high schools in North Carolina. We are also evaluating the scale-up of this reform model nationally (serving as project evaluators for two U.S. Department of Education Investing in Innovation projects that seek to apply early college high school principles to traditional high schools).
- Program evaluation services. SERVE provides a variety of research and evaluation services to states, districts, higher education institutions, and nonprofit agencies. For example, we currently have contracts to evaluate the Read to Achieve and the 21st Century Community Learning Programs in North Carolina and various other K-12 curriculum and teaching enhancement projects.

Useful Links

Academic Calendars (<http://reg.uncg.edu/calendars>)

Administration

Admission to the University (<http://admissions.uncg.edu>)

Dean of Students (<http://sa.uncg.edu/dean>)

Enrollment and Degree Statistics (<http://ire.uncg.edu/factbook>)

Financial Aid (<http://fia.uncg.edu>)

The Graduate School (<http://grs.uncg.edu>)

Housing (<http://hrl.uncg.edu>)

Meal Plans (<http://www.dineoncampus.com/uncg>)

Military and Veteran Services (<https://veterans.uncg.edu>)

New Student Transitions and First Year Experience (<http://newstudents.uncg.edu>)

Online Learning (<http://online.uncg.edu>)

Parking Permits (<http://parking.uncg.edu>)

Research Centers and Institutions

Students First Office (<http://studentsfirst.uncg.edu>)

Student Success Center (<http://success.uncg.edu>)

Tuition and Fees (<http://csh.uncg.edu>)

The University Community (<http://communityengagement.uncg.edu>)

University Registrar's Office (<http://reg.uncg.edu>)

ADMISSION TO THE UNIVERSITY

- Undergraduate Admissions (<https://catalog.uncg.edu/admissions/undergraduate-admissions>)
- Graduate Admissions (p. 668)

Graduate Admissions

Admission and Matriculation

Each application to the Graduate School will result in one admission decision. Applicants are notified of offers of admission by the Graduate School. Successful applicants are offered admission for a specific program in a specific term. International students who do not meet the English language proficiency, may be offered conditional admission and may fully-matriculate only upon meeting the UNC Greensboro proficiency requirement.

If the admitted applicant is unable to register for the term specified in the admission letter, they may apply to defer their admission. Otherwise, the admission decision may be subject to subsequent review.

Students may not be admitted to and graduate from the same degree program in the same academic term. However, students who are in academic good standing in a degree program may be admitted to and graduate from a concurrent certificate program in the same academic term.

General Application Requirements

All applicants must have obtained the following:

- A bachelor's degree from an accredited college or university or appropriately-evaluated credentials for non-U.S. schools.
- Satisfactory academic standing as an undergraduate or in a post-baccalaureate program.
- Approval of the academic department in which the graduate student will major.

Applying for Admission

Graduate applicants must submit a completed online application, a nonrefundable application fee, and the following supporting credentials:

- One official transcript from every college and university previously attended. This transcript must indicate the name of the college or university and the dates the student attended. If credit from one institution has been transferred to another and is listed on the receiving institution's transcript, a transcript from the original institution is not required. If an applicant is currently enrolled in a degree program and will not graduate prior to an admission deadline, transcripts should be provided that reflect courses in progress. Unofficial transcripts may be used to make admissions decisions and students may be admitted for the first semester; however they will not be permitted to register for the following semester until final official transcripts showing no in-progress coursework and/or degree awarded have been received.
- Applicants whose prior degree(s) is/are from a college or university outside the United States may also submit a third-party credential evaluation, but it is not required. See Credential Evaluations below.

- Three letters of recommendation from former professors, employers, or persons well acquainted with the applicant's academic potential.
- Official copies of GRE scores or results from other authorized examinations, if required by the program to which one applies. Scores are valid for five years from the time originally taken.
- Any additional materials required by the program or department such as audition, interview, portfolio, resume, writing sample, personal statement, etc. Please refer to the Guide for Graduate Admissions or the departmental/program website for specific instructions and/or requirements.

Department requirements may be more specific. Please consult the Guide to Graduate Admissions (<https://grs.uncg.edu/guide>).

All credentials must be in English and received by the Graduate School by the program's deadline. International applicants should refer to the section below entitled Additional Requirements for International Applicants. Domestic applicants are required to have recommenders submit letters of recommendation electronically. International applicants may send paper recommendations.

Additional Requirements for International Applicants

International applicants include citizens or permanent residents of a country other than the United States. International applicants may be in the United States on an educational, worker, or visitor visa, or be residing in their home country. International applicants must submit all application materials as described above. All supporting credentials must be in English and transcripts must be submitted to the Graduate School. International applicants on, or intending to be on, an F-1 or J-1 visa are required to certify that they have adequate financial resources to cover the cost of tuition and fees, accommodation and meals, insurance, and other living expenses. Financial forms and supporting bank/sponsor documents may be downloaded from [www.UNC Greensboro.edu/ipg](http://www.uncg.edu/ipg) (<http://www.uncg.edu/ipg>).

English Proficiency

Non-native speakers of English must validate proficiency in the English language by one of three means.

1. Submit a satisfactory score on a language proficiency test.
 - TOEFL 79 (paper-based 550)
 - IELTS 6.5 Band Score
 - PTE 67
 - ELS 112
2. The applicant is from a country where English is recognized as the official language or where the primary course of instruction is in English.
3. Successful completion of one of the following English language intensive programs.
 - UNC Greensboro School of Education Global Pathway
 - Interlink
 - American Language Academy Level 5
 - Mentora College's Intensive English Program

English Prerequisite to Registration

All new fully-admitted international students will undergo a UNC Greensboro administered English assessment. Students who may benefit from additional support services in reading, speaking, and writing will be

notified of campus resources available to them. International Teaching Assistants may be asked to take ESL 631 before they may be assigned as an Instructor of Record.

Credential Evaluation

All supporting credentials must be in English. Applicants must arrange for the Graduate School to receive official or certified copies of transcripts of academic records from every college and university previously attended. For a transcript or diploma to be final and official, it must show no coursework in progress and must contain the name of the degree and date on which it was awarded.

Pursuing Multiple Programs

Students may pursue only one (1) degree program at a time. However, students may pursue one or more graduate certificate(s) simultaneously with a graduate degree program.

Non-credential-seeking (Visiting) Students

Non-degree students who wish to take **graduate-level courses** (courses numbered 500 – 749) must have earned a baccalaureate degree from an accredited college or university and must apply through the Graduate School. The Graduate School does not admit an individual as a non-degree student. Instead, approved non-degree students will receive notice from the Graduate School that they may register for classes.

Non-degree students who wish to take **undergraduate-level courses** (courses numbered 100-499) must apply through undergraduate admissions, even if you have previously earned an undergraduate degree.

Non-degree students must apply every semester they wish to enroll in classes. A \$25.00 non-refundable fee is charged each semester a non-degree seeking application is submitted. Undergraduate transcript(s) is required with an initial application; this is waived in subsequent applications.

Non-degree students who are permitted to enroll for graduate courses may take courses numbered 500 -749 that have not been restricted by the departments (see Visiting and Non-Degree Students (<https://grs.uncg.edu/visitingapplicants>)). With the instructor's approval, non-degree seeking students may submit a written petition to the Director of Graduate Study or the Department Head to enroll in a restricted course; however, independent study is reserved for only degree seeking students.

If a non-degree student decides at any time to pursue a degree or graduate certificate, they must formally apply for admission and all Graduate School and program admissions requirements must be met. Credits earned as a non-degree student may be accepted towards a degree or graduate certificate subject to the written recommendation of the major department and the Dean of the Graduate School; up to nine credits may be accepted towards a degree and up to three credits may be accepted towards a certificate. The non-degree credit earned must fall within the timeline for completing the degree or graduate certificate program.

Non-degree seeking students are not eligible for financial aid.

Public School Personnel

Public school teachers and administrators who wish to take courses solely for **licensure renewal credit** may do so as non-degree seeking students. If credit is to be applied to a graduate degree, the student must

submit an application to the Graduate School before the completion of the course. If the student meets all requirements for admission as a graduate degree student, they will receive the licensure renewal credit.

Deferral of Admission

Graduate admission to a degree or certificate program may be deferred for a maximum of one year from the initial term of admission.

To request a deferral of admission, admitted students must select Deferral in the Intent to Enroll form that will be emailed made available to them in their application status page once they have been admitted. The request will be sent to the admitting department's Director of Graduate Studies for consideration. The deferral request must be for a specific term and may not exceed one year from the original term of admission; however, military-affiliated students should contact the Graduate School at 336-334-5596 for individual assistance with extended deferrals.

The department will forward the form request to The Graduate School for processing and The Graduate School will notify the student of the decision. Merit-based financial aid (teaching/research assistantships, scholarships, and fellowships) will not be deferred and the student must be nominated again for the awards for the term of deferral (if approved).

Students who have not enrolled after one year and have not requested a deferral of admission will be required to reapply.

Readmission and Catalog Policy

The University Catalog is the publication that documents all academic policies, regulations, and program requirements for a given academic year for all students and programs.

A student's catalog year identifies the particular set of curriculum requirements and regulations for program completion. The catalog year is established for the individual student upon declaration or change of the program.

A student may change a catalog year without a change of program or minor only to a more recent catalog. The student may request this change formally through their department.

Any student who has been inactivated must reapply for admission to the University. If admitted, the student will be assigned to the catalog requirements for the program in effect for the re-admit term.

Fresh Start Admission

A graduate student may request a "fresh start" when changing or returning to a graduate program leading to a master's degree or certificate at UNC Greensboro. A fresh start is defined as beginning a graduate program and having the graduate academic record recalculated to reflect no credits attempted and no graduate grade point average for the new or returned to program; however, all graduate courses previously taken at UNC Greensboro will remain on the student's academic record. The attempted credit hours from all courses will be counted for financial aid eligibility (as applicable).

To be eligible for a fresh start, the student must meet the following criteria:

- A period of time of at least five years must have passed since the student withdrew or was dismissed from a UNC Greensboro graduate program;
- The student's cumulative graduate GPA must be below a 3.0;

- The student must be recommended for admission into the program by the appropriate department; and
- The student must request and be granted a fresh start from the Graduate School.

Courses completed in a previous UNC Greensboro graduate program will not transfer nor will they be applied to the requirements of the new or returned to program. The new program must be finished, and the degree conferred within five years of the completion of the first new course.

At most, one fresh start will be granted to any one graduate student at UNC Greensboro. Final approval for a fresh start application rests with the Vice Provost and Dean of the Graduate School.

Dual Bachelor's-Master's Registration

Undergraduate students at UNC Greensboro who wish to enroll in graduate level courses at UNC Greensboro and who need no more than 12 credit hours of work to fulfill all requirements for the bachelor's degree, may enroll in the Graduate School. Total graduate credit obtained in this dual status may not exceed 12 credits. Courses at the 500 level or above are applied to the graduate degree only. Students must apply for admission to a graduate program before requests for dual registration can be approved but do not have to be formally admitted until the end of the semester in which credit is earned. For dual registration status, the approvals of the Graduate School, the University Registrar's Office, the Director of Graduate Studies in the appropriate graduate program(s), and the student's undergraduate major adviser are required. Contact the University Registrar's Office (336-334-5946) for more information.

Accelerated Master's Program (AMP)

An accelerated master's program (AMP) allows a student to begin accumulating credits towards completion of a graduate degree while still enrolled as an undergraduate. Successful undergraduate applicants are given an early decision on their graduate application pending successful completion of the baccalaureate degree. These graduate-level courses will count towards both the baccalaureate degree and the master's degree, and the grades will be recorded on both transcripts.

Undergraduate students may not apply for admission to an AMP before completion of at least 60 credit hours. Minimal criteria for admission will include a cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro and any additional criteria as determined by the academic unit.

Students must apply for admission to an AMP through the Graduate School. To ensure a timely decision and access to course enrollment, students must apply for admission to an AMP by **July 1** for Fall enrollment, **November 15** for Spring enrollment, and **April 1** for Summer enrollment.

International students who are admitted into an AMP will work with the Graduate School and the International Programs Center in order to apply for a visa extension.

Faculty as Students

Faculty at UNC Greensboro may not pursue a graduate degree or certificate in their home department or degree-offering unit. For exceptions, the unit Dean may petition the Vice Provost and Dean of the Graduate School.

TUITION AND FEES

Tuition and Fee information is available via the Cashiers and Student Accounts Office at <https://csh.uncg.edu>.

ACADEMIC REGULATIONS AND POLICIES

- University Policies (p. 672)
- Undergraduate Policies (p. 676)
- Graduate Policies (p. 694)

University Policies

Academic Integrity Policy

First responsibility for academic integrity lies with individual students and faculty members of the UNC Greensboro community. A violation of academic integrity is an act harmful to all other students, faculty and, ultimately, the entire community. Specific information on the Academic Integrity Policy and obligations of faculty and students may be found online at <http://academicintegrity.uncg.edu>. Names of College and School members of the Academic Integrity Advisory Group may be found online at this site as well as under the link "Academic Integrity at UNC Greensboro/Resources for Faculty." The Administrative Coordinator for Academic Integrity can be reached at 336-334-5514.

Auditing Courses

Current UNC Greensboro students may audit courses upon the written approval of the instructor. Auditors must register officially for the class. Attendance, preparation, and participation in the classroom discussion and laboratory exercises shall be at the discretion of the instructor. An auditor is not required to take examinations and tests and receives no credit for the course.

Registration may not be changed from audit to credit or from credit to audit status after the end of schedule adjustment.

A full-time UNC Greensboro undergraduate student (registered for 12 or more credit hours) may audit one course per semester without an additional fee. A part-time UNC Greensboro undergraduate student (registered for fewer than 12 credits) may audit no more than two courses per semester and is charged a \$15.00 fee for each audited course.

See the Auditors topic in the Admission to the University section for auditing options other than current UNC Greensboro students.

Catalog Year Policy

The Academic Catalog is the publication that documents all academic policies, regulations, and program requirements for a given academic year for all Undergraduate and Graduate students and programs.

A student's catalog year identifies the particular set of curriculum requirements and regulations, including general education and university requirements, in effect for program completion. The catalog year is established for the individual student upon declaration or change of the program.

A student may change a catalog year without a change of program or minor only to a more recent catalog. The student may request this change formally through their department.

Any student who has been inactivated must reapply for admission to the university. If admitted, the student will be assigned to the catalog requirements for the program in effect for the re-admit term.

Class Attendance

Regular class attendance is a responsibility and a privilege of university education. It is fundamental to the orderly acquisition of knowledge. Students should recognize the advantages of regular class attendance, accept it as a personal responsibility, and apprise themselves of the consequences of poor attendance. Instructors should stress the importance of these responsibilities to students, set appropriate class attendance policies for their classes, and inform students of their requirements in syllabi and orally at the beginning of each term.

Student's Responsibility

1. Knowledge of each instructor's attendance policy and monitoring his or her class absences throughout the term.
2. Familiarity with all materials covered in each course during absences and make-up of any work required by the instructor.
3. Inform each instructor as far in advance as possible when conflicts or absences can be anticipated (e.g., athletic team events, work, medical procedures, religious observances, etc.) by e-mail, phone, or by contacting the main office of the department that offers the course.
4. Provide appropriate documentation so that each instructor can make an informed decision as to whether or not the absence is excusable.
5. Initiation of requests to make-up work missed because of class absences. The decision to assist the student with make-up work, including tests, rests with the instructor.
6. Follow-up on all notices from the Registrar regarding course enrollment in order to correct registration.

Instructor's Responsibility

1. Setting of reasonable regulations for class attendance as appropriate for class content, organization, methodology, and size.
2. Description of attendance policies in course syllabi and announcement in class, particularly at the beginning of each term.
3. Maintenance of class attendance records of enrolled students as appropriate for the attendance policy.
4. Exaction of penalties for unsatisfactory class attendance. Possible penalties are lowering the course grade, including a grade of F, and, in extreme circumstances, dropping the student from the course.

Dean of Students Office Responsibility

1. Notify each instructor on the student's behalf when personal reasons (e.g., family emergency, illness, bereavement, birth of a child, military duty, etc.) prevent the student from properly notifying each instructor because of circumstances beyond the student's control. The student or the student's representative should contact the Dean of Students Office (336-334-5514) if the student is unable to make direct contact by e-mail or phone with each instructor or is unable to leave word with each instructor's department.
2. Review documentation by a licensed health professional and confirm its receipt with each instructor if the student experiences a medical or psychological event that significantly impairs their ability to function successfully or safely as a student.

The student should be aware that assistance of the Dean of Students Office does not change in any way the outcome of the instructor's decision regarding the student's academic work, grades and performance in any given course.

Religious Observance

Approved by the Office of the Provost, August 2010

1. The university allows for a limited number of excused absences each academic year for religious observances required by the faith of the student.
2. Students must notify instructors of absences in advance of the date of the religious observance. Instructors have the authority to specify, via written notice to students, the amount of lead time required and may require that the nature of the religious observance be specified and the student's participation be confirmed in writing by an official of the religious organization.
3. When appropriate notice is provided by a student, the student must be granted at least two excused absences per academic year under this policy and must be allowed to make up or waive work and tests missed due to these particular absences. With regard to any test or other assignment that a student would miss due to notice of a required religious observance, faculty members may require the student to complete the test or assignment in advance of the originally scheduled date of the test or assignment. Beyond the minimum terms and limits of this policy, instructors maintain authority to establish and enforce the attendance policy for the courses they are teaching.
4. The requirement for students to make such requests for excused absences applies only to days when the university is holding class.

Appeals

If a student thinks there is a discrepancy between the instructor's exaction of a penalty for unsatisfactory class attendance and the stated policy or that there is an extenuating circumstance that may affect the instructor's decision, then he or she should first make a request to the instructor. If desired, the student may further appeal to the Department Head, the Dean of the School or College, and the Provost, in that order.

Cancellation for Non-Attendance

In circumstances in which a student was charged for or received a grade for a class that they never attended, the student should request a Cancellation of Course(s) for Non-Attendance through the University Registrar's Office. The student is responsible for demonstrating eligibility for cancellation under this policy. Cancellations cannot be processed for students who attended a class, even one time. (Important note: Class attendance for online courses is tracked based on a student's log-in records and activity in Canvas or relevant online Learning Management System). Requests for Cancellation of Course(s) for Non-Attendance must be submitted within one year of the term in which the courses were taken. No cancellations will be made once a student has been awarded a degree for a course on record previous to that degree's award. Once verified with instructors, all requested courses will be removed from a student's registration and will not display on a transcript.

Copyright Compliance Policy

The following is reprinted from The University Policy Manual and can be accessed at https://policy.uncg.edu/university-policies/copyright_compliance/.

The University of North Carolina at Greensboro promotes the responsible and ethical adherence to intellectual property rights. This policy seeks to promote this goal. All students, faculty, staff, and authorized affiliates of the University are expected to comply with United States copyright laws. These laws apply to copyright-protected materials regardless of whether they are reproduced in digital, electronic, print, or other form. Copyright

ownership by members of the University community is addressed in the Copyright Ownership and Use Policy.

All users of University technology resources must abide by the guidelines set forth in the Acceptable Use of Computing and Electronic Resources Policy (https://policy.uncg.edu/university-policies/acceptable_use).

Unauthorized replication, installation, or distribution of copyright protected material is prohibited. Users who download software that is not covered by an existing license may be held personally liable for any legal claims or litigation that should ensue due to the illegal use of such software.

Copyright infringement notifications will be acted upon in accordance with the requirements of the Digital Millennium Copyright Act (<http://its.uncg.edu/DMCA>) (DMCA) 17 U.S.C. 512(c)(3) by the DMCA Agent, following established procedures. Violations of the DMCA may result in denial of access to University computing equipment and systems, and to disciplinary action.

Allegations of copyright infringements found on University computer resources should be sent to:

DMCA Agent
Information Technology Services
235 Bryan Building
The University of North Carolina at Greensboro
P.O. Box 26170
Greensboro, NC 27402-6170
dmca_agent@uncg.edu

Discriminatory Conduct

The following is reprinted from The University Policy Manual and can be accessed at https://policy.uncg.edu/university-policies/discriminatory_conduct/.

The University of North Carolina at Greensboro is committed to the principle that educational and employment decisions should be based on an individual's abilities and qualifications and should not be based on personal characteristics or beliefs that have no relevance to academic ability or to job performance. Accordingly, UNC Greensboro supports policies, curricula and co-curricular activities that encourage understanding of and appreciation for all members of its community. UNC Greensboro will not tolerate any harassment of or discrimination against persons. UNC Greensboro is committed to equal opportunity in education and employment for all persons and will not tolerate any discrimination against or harassment of persons on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, political affiliation, genetic information, veteran status, disabling condition, or age.

This policy applies internally as well as to the University's relationships with outside organizations, except to the extent that those organizations, including the federal and State government, the military, ROTC, or private employers do not yet recognize sexual orientation as protected.

The University's educational and employment practices are consistent with Section 103 of The Code of The University of North Carolina. In addition, the University complies with North Carolina General Statutes 126-16 and 126-17, Title VII of the Civil Rights Act of 1964, as amended, the Civil Rights Restoration Act of 1988, Title IX of the Education Amendments of 1972, the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, the Vietnam Era Veteran's Readjustment Assistance Act of 1974, and other federal and state laws relating to discrimination in educational programs and employment. In accord with Executive Order 11246, the University has in place an Affirmative

Action Plan which states the University's commitment to the concept and practice of equal employment opportunity for all persons regardless of race, color, religion, sex, sexual orientation, gender identity, national origin, political affiliation, genetic information, veteran status, disabling condition, or age.

Any employee who believes he or she has been treated unfairly based on any of the above characteristics should contact his or her immediate supervisor, or the next level supervisor if the immediate supervisor is the subject of the allegation. Students should contact the Office of Student Affairs.

Retaliatory action of any kind will not be tolerated against any person for making a good faith report of discrimination or on the basis of that person's participation in any allegation, investigation or proceeding related to the report of discriminatory conduct. Every UNC Greensboro employee and student is charged with the responsibility to be aware of and abide by this policy. Failure to abide by this policy may subject the violator to disciplinary action up to and including dismissal.

Drug and Alcohol Policy and Operational Procedures

The University of North Carolina at Greensboro seeks to maintain an environment supporting the pursuit and dissemination of knowledge. The use of illegal drugs by any member of the community interferes with the activities through which the University meets its goals, and the use of illegal drugs will not be tolerated. The University will take all actions necessary, consistent with federal, state, and local laws, and University policy, to eliminate illegal drugs from the University community. The Policy on Illegal Drugs can be found at https://policy.uncg.edu/university-policies/illegal_drugs/. Additionally, UNC Greensboro is committed to sustaining an environment that enables members of our community to acquire knowledge, develop intellectual skills, and become more thoughtful and responsible members of a global society. The University recognizes the improper and excessive use of alcohol may negatively affect the health and safety of students, faculty, staff, and the Greensboro community. The full Illegal Use or Abuse of Alcohol Policy and Resources can be found at https://policy.uncg.edu/university-policies/illegal_use_abuse_alcohol/.

Dual Registration as Undergraduate and Graduate

Undergraduate students at UNC Greensboro who plan to undertake graduate study at UNC Greensboro, and who lack no more than 12 credit hours of work to fulfill all requirements for the bachelor's degree, may enroll in the Graduate School. Total graduate credit obtained in this dual status may not exceed 12 credits. Students must apply for admission to a graduate program before requests for dual registration can be approved, but do not have to be formally admitted until the end of the semester in which credit is earned. For dual registration status, the approval of the Dean of the Graduate School and the student's major advisor are required.

Students should be advised that approval for dual registration neither guarantees nor constitutes acceptance into any graduate program.

Immunization Clearance

Students who have been admitted to UNC Greensboro are required by North Carolina State law to submit an immunization form with appropriate verification of immunizations. This form is supplied by the

admitting office and must be satisfactorily completed and returned to Gove Student Health Center. Failure to comply with this requirement within thirty calendar days from the first day of registration may result in the student's being administratively withdrawn from the university. For detailed information see <https://shs.uncg.edu/immunizations>. Students subjected to an administrative withdrawal for failure to comply with medical clearance requirements are entitled to a refund, subject to the guidelines of the Refund Policy.

Online Sections and Online Programs Policy

Students in online programs are restricted to enrollment in online sections.

Online sections with regular meetings patterns, including optional meeting patterns, must have meeting days and times scheduled in the student information system and published in the schedule of courses prior to registration. These sections are synchronous in delivery method.

Online sections without mandatory and/or optional meeting patterns shall not have meeting days and times scheduled in the student information system nor shall instructors impose them once the registration schedule is posted. These sections are asynchronous in delivery method.

Sexual Harassment

UNC Greensboro prohibits Sexual Assault, Sexual Exploitation, Intimate Partner Violence, Stalking, Sexual or Gender-Based Harassment, Complicity in the commission of any act prohibited by this policy, and Retaliation against a person for the good faith reporting of any of these forms of conduct or participation in any review or proceeding under this policy (collectively, "Prohibited Conduct"). These forms of Prohibited Conduct are unlawful, undermine the character and purpose of the University, and will not be tolerated. For the full policy on Sexual Harassment, see https://policy.uncg.edu/university-policies/sex_gender_harrassment/.

Student Code of Conduct

All students are responsible for conducting themselves in a manner that helps enhance an environment of learning in which the rights, dignity, worth, and freedom of each member of the academic community are respected. The full UNC Greensboro Student Code of Conduct can be found at <https://sa.uncg.edu/handbook/student-code-of-conduct/>.

University Directory Information

The University Registrar's Office maintains student demographic data and provides it for the online University Directory.

Release of Student Directory Information

Unless a student requests in writing to the contrary, federal law permits the university to release Directory Information to the public without the student's consent.

Directory Information is information in a student's education record that would not generally be considered harmful or an invasion of privacy if disclosed. At UNC Greensboro, Directory Information consists of:

- Student's first and last name
- Major field of study
- Dates of attendance

- Enrollment status
- Anticipated graduation date
- Degrees awarded
- Awards (including scholarships)

Additionally, UNC Greensboro designates some information as Limited-Use Directory Information. The use and disclosure of this information is restricted to: (1) university officials who have access, consistent with FERPA, to such information and only in conjunction with a legitimate educational interest and (2) external parties contractually affiliated with the university, provided such affiliation requires the sharing of Limited-Use Directory Information. Limited-Use Directory Information consists of:

- Local and permanent address
- Student e-mail address
- County, state, or US territory from which the student originally enrolled
- Telephone numbers
- Participation in officially recognized activities and sports
- Weight and height of members of athletic teams
- The most recent previous educational agency attended by the student

Suppression of Student Directory Information

Under the 1974 Family Educational Rights and Privacy Act (FERPA), the student has the right to request in writing that the disclosure of this information be withheld from persons outside the university. Please note that this information can only be suppressed from the public, not from university officials. The suppression request includes both Directory Information and Limited-Use Directory Information as defined by UNC Greensboro policy.

A student must file a form requesting suppression of information with the University Registrar's Office. A request to suppress information must be filed while the student is still enrolled at the university.

Once a student's information is suppressed, it will not be printed in the Commencement Program upon the student's graduation, without the student's written consent. The suppression of information remains in effect until revoked in writing by the student, even after the student is no longer enrolled at the university. Former students may request in writing that earlier suppression requests be revoked.

Parents' Information

Information concerning parents of students (names, addresses, phone numbers, etc.) is not made available as it is not considered directory information.

Release of Grades and GPA Information

Grades and grade point averages are never released to agencies or persons outside the university without the written consent of the student, unless otherwise provided for by law. Grades and GPA information are not given out over the telephone.

Withdrawal for Students Called to Active Military Duty

Military Call-Up Policy

Leaving Prior to the Completion of a Term

A student voluntarily or involuntarily called for active military duty in the Armed Services Reserve or the National Guard is eligible to elect one of the following options for leaving prior to the completion of a term:

A. Complete Withdrawal Option (without academic penalty)

- Tuition and general fees are fully refundable.
- Health fees are generally fully refundable, except for students who have used UNC Greensboro health services. These students would be billed at the service rate to a maximum charge equivalent to the health fee. Students who have enrolled in the Student Health Insurance program should contact the Agent for information on a pro-rated refund of premium.
- Room and board is refunded based on the number of weeks the room is occupied and the meals consumed.
- The student is still responsible for all miscellaneous charges such as library fines, parking tickets, health service charges, etc.

In order to be eligible for a refund under these guidelines, the student must contact the University Registrar's Office and provide the following:

- a copy of his or her call-up papers; these serve as documentation for the refund of tuition and fees
- a mailing address to which the student would like the refund to be sent

The University Registrar's Office will notify appropriate offices of the student's withdrawal including Undergraduate Studies, the Graduate School, Financial Aid Office, Housing and Residence Life, and the Cashiers and Student Accounts Office.

In order for a student living in UNC Greensboro housing to receive a refund from the Department of Housing and Residence Life, room keys must be returned to the appropriate office.

If a student is receiving financial aid when called to active duty, financial aid must be repaid according to federal and state guidelines before a refund will be issued by the UNC Greensboro.

B. Early Exam Option

A student who is required to report for military duty not earlier than four calendar weeks prior to the date a semester ends as stated in the official catalog of the UNC Greensboro (or after completion of at least 75% of the enrollment period in a non-standard semester) may, when authorized by the instructor, take the final exam early and be given full credit for all courses that have an average grade of C or better. Students are not eligible for refunds for which they receive credit.

C. Incomplete Grade Option

A student who is required to report for military duty prior to the completion of a term may take a grade of incomplete in a course and complete it upon release from active duty. Course completion may be accomplished by independent study or by retaking the course without payment of tuition and fees. Under federal financial aid policies, a course that is retaken in this manner may not be counted toward a student's

enrollment load. An eligible student who receives an incomplete for any course is not entitled to a refund of tuition or fees paid.

Returning to UNC Greensboro Within the Same Term

A student called for active duty and subsequently released within the time frame to re-enroll during the semester of withdrawal may pursue re-enrollment within the same term. UNC Greensboro will make every effort to accommodate the request. Individual contacts with faculty involved will determine appropriateness of returning to a course.

Returning to UNC Greensboro at the Start of a New Term

A student voluntarily or involuntarily called for active military duty in the Armed Services, Armed Services Reserves, or the National Guard who wants to return to UNC Greensboro must submit an application for readmission to UNC Greensboro Undergraduate Admissions.

The returning student is eligible to have the application fee waived if:

1. The student selects the option to pay by check during the application process.
2. The student notifies the UNC Greensboro VA Certifying Official of the intent to return and provides a copy of orders, confirming dates of call to active duty.

The re-enrolled student is technically ineligible to participate in early registration for the term of re-enrollment; however, UNC Greensboro will arrange a priority window to assist the student in returning with appropriate classes that are applicable toward the field of study.

Undergraduate Policies

Academic Requirements and Limits for Undergraduates

Baccalaureate Degree Requirements And Limits

120 - Minimum number of credit hours required for an undergraduate degree

36 - Minimum number of credits required toward the degree at or above the 300 course level

31 - Minimum required credits in residence at UNC Greensboro

31 - Minimum required credits in residence at UNC Greensboro beyond the first degree for a second undergraduate degree

2.0 - Minimum cumulative GPA required for graduation

Credit Hour Regulations And Limits

12 - Minimum number of credits in which undergraduates must enroll per semester to qualify for full-time status

18 - Maximum number of credits per semester in which an undergraduate may enroll without special permission

64 - Maximum number of credits allowed for 2-year transfer credit

12 - Maximum number of credits allowed for physical education credit

Dean's List Qualifications

6 - Minimum number of credits a student must have completed at UNC Greensboro to be eligible for Dean's List

6 - Minimum number of credits in which a student must be enrolled for a given semester

3.50 - Minimum required GPA for the semester

B- - Minimum grade earned for the semester (no grade may be lower than B-)

Chancellor's List Qualifications

30 - Minimum number of credits a student must have completed at UNC Greensboro to be eligible for Chancellor's List

12 - Minimum number of credits in which a student must be enrolled for a given semester at UNC Greensboro

3.65 - Minimum required cumulative GPA

Transfer students must be enrolled for at least one semester at UNC Greensboro to be eligible for the Chancellor's List.

Graduation With Honors Requirements

45 - Minimum number of credits a student must complete in residence at UNC Greensboro by end of senior year to be eligible for graduation with honors

3.90 - Minimum required GPA for Summa cum laude

3.70 - Minimum required GPA for Magna cum laude

3.50 - Minimum required GPA for Cum laude

Second Degree Honors Required Hours

45 - Minimum number of credits a second degree candidate must complete toward the second degree in residence at UNC Greensboro, with the required GPA, to be eligible for graduation with honors

Simultaneous Baccalaureate Degrees Residency Hours

31 - Minimum number of credits in residence a student must complete beyond requirements for the first degree in order to receive a second, simultaneous baccalaureate degree

Academic Standing at UNC Greensboro

The following requirements and procedures for maintaining academic good standing became effective in Fall 2017 for undergraduate students and was modified by Faculty Senate in April 2017.

Undergraduate students are expected to be aware at all times of their academic standing and are responsible for knowing whether or not they are on Academic Good Standing, Academic Warning, Academic Probation, Academic Suspension, or Academic Dismissal. Students may check their academic standing via UNCGenie.

UNC Greensboro reserves the right to deny enrollment to any student, even though the student has met the minimum grade point average required, if it is apparent from the student's academic record of required courses that the student will not be able to meet graduation requirements.

The Academic Good Standing Policy applies to enrollment during any term, including summer term. Students may be placed on Academic Warning, Academic Probation, Academic Suspension, Academic Dismissal, or restored to Academic Good Standing based on their

academic performance during Summer Session. Academic performance for both summer terms is evaluated at the end of Summer Session II.

Academic Good Standing Policy

(For degree-seeking students entering the university Fall 2014 and after. Students who entered the university as degree-seeking undergraduates prior to Fall 2014 are grandfathered into the policy last published in the 2013–14 Undergraduate Bulletin.)

To maintain Academic Good Standing at UNC Greensboro, undergraduate students will be required to satisfy all of the following requirements:

- Maintain a minimum 2.0 cumulative GPA.
- Earn 67% of their credit hours each term.

Failure to satisfy all of the requirements above will result in Academic Warning or Academic Probation.

Academic Warning

Academic Warning will occur when an undergraduate student maintains a minimum 2.0 cumulative GPA but earns less than 67% of their credits.

Students who fall on Academic Warning will be required to satisfy all of the following requirements during their next term of enrollment:

- Maintain a minimum 2.0 cumulative GPA.
- Earn 67% of their credits each term.
- Enroll in and successfully complete the requirements of the Academic Resources & Knowledge (ARK) Program.

Failure to meet the requirements for Academic Good Standing while on Academic Warning may result in Academic Probation. A student who is able to maintain a 2.0 cumulative GPA but does not earn 67% of their credits will continue on Academic Warning each consecutive semester until the required minimum percentage of hours is earned.

Academic Probation

Academic Probation will occur when an undergraduate student in Academic Good Standing or on Academic Warning fails to maintain a minimum 2.0 cumulative GPA.

Undergraduate students who fall on Academic Probation will be required to satisfy all of the following requirements during their next term of enrollment:

- Limit enrollment to a maximum of 16 credits each fall and spring term and 8 credits in the summer term until Academic Good Standing is restored.
- Earn a minimum 2.30 term GPA each term until a 2.0 cumulative GPA is restored.
- Enroll in and successfully complete the requirements of ARS 100.

Failure to satisfy all of the Academic Probation requirements above may result in Academic Suspension at the end of the probationary term. A student who is able to restore a 2.0 cumulative GPA but does not earn 67% of their credits will be placed on Academic Warning.

In cases where circumstances beyond the student's control have interfered with the student's academic performance, students placed on Academic Suspension may request immediate reinstatement by submitting an Academic Suspension Appeal. Contact the Students First Office, Forney Student Success Commons—Suite 101, 336-334-5730, for more information on the appeal process.

Academic Suspension

Academic Suspension will occur when an undergraduate student on Academic Probation fails to maintain either a minimum 2.30 term GPA or a minimum 2.0 cumulative GPA.

All students who fall on Academic Suspension are ineligible to enroll at UNC Greensboro for one fall or spring term.

NOTE: Summer Session is not considered a term away for the purposes of Academic Suspension. After a one-term suspension, students may apply for readmission to the university via the Office of Undergraduate Admissions.

If readmitted, upon return from Academic Suspension, an undergraduate student will be considered on Academic Probation and is required to satisfy all of the following requirements during their next term of enrollment:

- Limit enrollment to a maximum of 16 credits each fall and spring term and 8 credits in the summer term until Academic Good Standing is restored.
- Earn a minimum 2.30 term GPA each term until a 2.0 cumulative GPA is restored.
- Enroll in and successfully complete the requirements of ARS 120.

Failure to satisfy all of the Academic Suspension requirements above may result in Academic Dismissal at the end of the term. A student who is able to restore a 2.0 cumulative GPA but does not earn 67% of their semester hours will be placed on Academic Warning.

In cases where circumstances beyond the student's control have interfered with the student's academic performance, students placed on Academic Dismissal may request immediate reinstatement by submitting an Academic Dismissal Appeal. Contact the Students First Office, Forney Student Success Commons—Suite 101, 336-334-5730, for more information on the appeal process.

Academic Dismissal

Academic Dismissal will occur when an undergraduate student on Academic Probation after returning from Academic Suspension fails to maintain either a minimum 2.30 term GPA or a minimum 2.0 cumulative GPA.

All students who fall on Academic Dismissal are ineligible to enroll at UNC Greensboro for one academic year.

NOTE: Summer session is not considered a term away for the purposes of Academic Dismissal. After a one-year dismissal, students may request permission to return to the university by submitting a Return from Academic Dismissal Appeal and must apply for readmission to the university via the Office of Undergraduate Admissions. Contact the Students First Office, Forney Student Success Commons—Suite 101, 336-334-5730, for more information on the appeal and readmission process.

If readmitted, upon return from Academic Dismissal, an undergraduate student will be considered on Academic Probation and is required to satisfy all of the following requirements during their next term of enrollment:

- Limit enrollment to a maximum of 16 credits each fall and spring term and 8 credits in the summer term until Academic Good Standing is restored.

- Earn a minimum 2.30 term GPA each term until a 2.0 cumulative GPA is restored.
- Enroll in and successfully complete the requirements of ARS 140.

Failure to satisfy all of the Academic Dismissal requirements above may result in Academic Dismissal at the end of the term. A student who is able to restore a 2.0 cumulative GPA but does not earn 67% of their semester hours will be placed on Academic Warning.

In cases where circumstances beyond the student’s control have interfered with the student’s academic performance, students placed on Academic Dismissal may request immediate reinstatement by submitting an Academic Dismissal Appeal. Contact the Students First Office, Forney Student Success Commons—Suite 101, 336-334-5730, for more information on the appeal process.

Academic Appeals

In cases where circumstances beyond the student’s control have interfered with the student’s academic performance, students placed on Academic Suspension or Academic Dismissal may request immediate reinstatement by submitting an Academic Suspension Appeal or Academic Dismissal Appeal. Appeals must be submitted by the published deadlines, which are located in the academic calendar and the *University Catalog*. Events and/or circumstances that merit an appeal include officially documented unanticipated personal life events, officially documented unanticipated serious medical difficulty, and/or officially documented serious psychological difficulty. Students are strongly encouraged to contact the Students First Office for assistance before officially submitting an appeal.

An Academic Suspension Appeal or Academic Dismissal Appeal will be reviewed by the Academic Appeals Committee. Once an appeal has been submitted, students will be notified of the results of their appeal via their UNC Greensboro email account. All academic appeal decisions are final.

As mandated by the university, a student whose Academic Suspension Appeal or Academic Dismissal Appeal is approved must agree to participate in the designated Academic Recovery Program, coordinated within the Students First Office, during the next term of enrollment. Failure to participate in and successfully complete the requirements of the designated Academic Recovery Program will result in immediate Academic Dismissal at the end of the term.

Average Time to Graduation

Many factors affect both the length of time and the number of credit hours an individual student will require to complete the baccalaureate degree. Full-time undergraduate students are expected to complete at least 12 credit hours per semester. Failure to complete an average of 15 credits per semester may lengthen the student’s time to graduation. Some majors do require formal admission beyond that required for admission to the university in general.

Students should meet with their academic advisors regularly to plan their academic schedules. To graduate, students must complete specific university requirements as well as requirements within the major. Students who change majors may find that additional requirements must be fulfilled. Changing majors excessively, or after the third or fourth semester of study, may also lengthen the time to graduation.

Criteria for admission to a specific major (outlined in the *University Catalog*) and continuation in that major may include a university grade point average exceeding that required for continuation within the university as a whole. Students considering such majors should become

familiar with the guidelines, and work with an academic advisor, as soon as possible to ensure that they meet the criteria.

Classification of Students

The following classifications became effective for fall 1996 and thereafter for newly admitted undergraduates (transfer students and freshmen).

Undergraduate students are classified as freshmen, sophomores, juniors, and seniors. These classifications are determined by the number of semester hours completed (including hours transferred from another institution). The classifications are as follows:

Classification	Semester Hours
Freshman	0–29.9 credit hours completed
Sophomore	30–59.9 credits completed
Junior	60–89.9 credits completed
Senior	90 or more credits completed

Course Credit Regulations and Limits
Correspondence Credit

Up to 64 credit hours in correspondence and extension credit may be applied to the completion of work for an undergraduate degree with the further stipulation that not more than one-fourth of the requirements for the degree may be completed in correspondence credit. Academic departments may establish such course and credit limitations in acceptance of correspondence credit as may be required by specific degree programs.

Although UNC Greensboro correspondence credit is treated as transfer credit at the time of admission, it will be thereafter considered “Residence” credit for degree certification purposes.

Correspondence credit earned from institutions other than UNC Greensboro is always treated as transfer credit. It will have no impact on the UNC Greensboro grade point average. Only credits will be applied toward UNC Greensboro degree requirements.

Extension Credit

UNC Greensboro extension credit, earned either on or off campus, will be considered transfer credit for admission purposes. Up to 64 credit hours in extension and/or correspondence credits may be applied to completion of work for an undergraduate degree. Academic departments may establish such course and credit limitations in acceptance of extension credit as may be required by specific degree programs.

Although UNC Greensboro extension credit is treated as transfer credit at the time of admission, it will be thereafter considered “Residence” credit for degree certification purposes.

Non-Credit Courses

Non-credit courses do not count toward graduation nor are they calculated in the student’s GPA. There are currently no non-credit courses available.

Physical Education Credit Limit Policy

Any university student may take up to 12 credit hours of elective credit in physical education activity courses to apply toward graduation.

Repeated Courses

If a course or its equivalent is taken more than once for credit and is not repeatable for credit, credit will be applied toward degree requirements only once.

Summer Session Credit

Students may enroll for no more than seven credits during each of the two summer sessions, unless permitted to take an increased load by their assigned academic advisor.

Advanced Placement Credit (AP Credit)

In compliance with the UNC system policy 700.10.1 [R], UNC Greensboro accepts Advanced Placement (AP) Exam Scores from the College Board for scores of three or higher on one or more AP Exam(s). To help improve student's completion and progression towards a degree, qualified AP Exam(s) Score will be awarded for specific credit hours aligned with the equivalent UNCG course(s). A list of corresponding credits and accepted scores may be found on the University Registrar's Office website.

Transfer Credit

Comprehensive Articulation Agreement

The North Carolina General Assembly, the Board of Governors of The University of North Carolina, and the State Board of Community Colleges are committed to the simplification of transfer of credits for students and thus facilitating their educational progress as they pursue associate or baccalaureate degrees within and among public post-secondary institutions in North Carolina. The Comprehensive Articulation Agreement (CAA) is a statewide agreement governing the transfer of credits between N.C. community colleges and public universities in North Carolina, and has as its objective the smooth transfer of students, providing certain assurances to the transferring student by identifying community college courses that are appropriate for transfer as electives, and specifying courses that will satisfy pre-major and general education requirements.

The CAA establishes the procedures governing the transfer of credits for students who transfer from a North Carolina Community College to a constituent institution of The University of North Carolina. To be eligible for the transfer of credits under the CAA, the student must graduate from the community college with an Associate in Arts (AA) or Associate in Science (AS) degree and have an overall Grade Point Average (GPA) of at least 2.0 on a 4.0 scale and a grade of "C" or better in all CAA courses. Students who do not complete the degree are eligible to transfer credits on a course-by-course basis. Students officially enrolled in an AA or AS program at a North Carolina community college prior to Fall Semester 2014 are subject to the conditions and protections contained in the CAA in place at the time of their initial enrollment as long as they have remained continuously enrolled.

Community college graduates of the Associate in Arts or Associate in Science degree programs who have earned 60 semester hours in approved transfer courses with a grade of "C" or better will receive at least 60 semester hours of academic credit upon admission to UNC Greensboro. A student who completes the Associate in Arts or Associate in Science degree prior to transfer to UNC Greensboro will have fulfilled the university's lower-division general education requirements, but not intermediate-level general education requirements like the College of Arts and Sciences' foreign language requirement. Also, due to degree requirements in some majors, additional lower-division courses at UNC Greensboro may be required beyond the general education courses and pre-major courses taken at the community college.

If a student from a North Carolina Community College System (NCCCS) college believes the terms of the Comprehensive Articulation Agreement (CAA) have not been honored by UNC Greensboro, the student may invoke the CAA Transfer Credit Appeal Procedure. Steps to file an appeal can be found in Appendix E of the Comprehensive Articulation Agreement document (<https://www.nccommunitycolleges.edu/academic-programs/college-transferarticulation-agreements/comprehensive-articulation-agreement-caa>)

Transfer Credit and Credit Limit

UNC Greensboro is accredited by and will accept transfer credit from schools accredited by the Commission on Colleges, Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Colleges and universities outside of the SACSCOC region must have accreditation from the appropriate regional accrediting agency for the transfer credit to be accepted.

Transfer credit to be awarded is determined by the quality as well as the quantity of the student's previous college work. Course work completed with a grade of C-, D+, D, or D- will not transfer. Transfer courses are evaluated on a course-by-course basis.

The sum total of transfer credit hours from two-year college(s), extension, or correspondence courses that may be applied toward an undergraduate degree may not exceed 64 semester hours. No combination of 2Plus and transfer/extension credit may exceed 64 semester hours on the student's transfer equivalency worksheet.

The University's Repeated Course policy applies to transfer credit. If a course or its equivalent is taken more than once for credit and is not repeatable for credit, credit will be applied toward degree requirements only once. In the case of duplicate transfer credit, only the first instance in which credit can be awarded will remain on the UNC Greensboro academic record.

Current UNC Greensboro policy stipulates that courses completed in technical, vocational, or professional programs at community colleges or courses from technical colleges or proprietary institutions cannot be accepted in transfer, unless they are part of a 2Plus Program. These programs give students with articulated Associate in Applied Science degrees access to a limited number of degrees at UNC Greensboro.

Credit for Military Training

Elective credit for military training may be awarded where UNC Greensboro has comparable courses and upon receipt of an official American Council of Education transcript.

Course Selection

Adding Courses

Students may add courses to their schedules during the Drop/Add period. Between the end of the Drop/Add period and the 10th day of classes, a student desiring to add a course may do so only with the written approval of the instructor.

Late Adds

After the 10th day of classes, adding with instructor permission will be accepted by the University Registrar's Office only under extraordinary circumstances.

Course Withdrawal Policy

The following requirements and procedures for maintaining Academic Good Standing became effective in Fall 1996 for newly admitted degree-seeking

undergraduates (freshmen and transfer students), modified by Faculty Senate in April 1998 and modified again in November 2013 in compliance with UNC Policy 400.1.1[R].

Withdrawing from Current Term Courses

16 credit hour limit for course withdrawals

Beginning Fall 2014, all undergraduate students will be limited to withdrawing from a maximum of 16 credit hours during their undergraduate career. This limitation does not include course withdrawals completed within the course adjustment period (as identified on the Academic Calendar) that do not count as attempted hours and are not limited to 16 credits. Students who have not exceeded their 16 credit limit may withdraw from a course or courses after the course adjustment period and within the first eight weeks of the term without incurring a WF grade (Withdrawn Failing). Withdrawal from courses within the 16 credit limit will be indicated on a transcript with a grade of WX.

Course withdrawals after eight weeks or in excess of 16 credits will incur a WF grade (Withdrawn Failing).

Courses of less than one semester's duration, including Summer School courses, shall have shorter withdrawal deadlines (proportional to the course adjustment and eight-week deadline for the regular semester). All withdrawal deadlines are published on the University Registrar's Office website.

All WX courses count as attempted hours and in tuition surcharge calculations, and are subject to academic standing, financial aid, and Satisfactory Academic Progress rules and calculations.

Withdrawing from a course with extenuating circumstances

Undergraduate students with appropriate cause, as determined by officially documented military deployment, medical, psychological, or unanticipated personal life events, or administrative reasons, may petition for an exemption from the 16 credit limit and the eight-week deadline by initiating a Course Withdrawal Request through the Students First Office. The Course Withdrawal Request Committee, under the purview of the Students First Office, shall be responsible for authorizing Course Withdrawal Requests in consultation with the instructor of every course, and with other departments or agencies as needed. If a Course Withdrawal Request is authorized, all requested courses will be indicated on a transcript with a grade of WE (Withdrawn with Exception).

If a student withdraws from all courses, the student is considered officially withdrawn from the university. See section on Withdrawal from the University.

All WE courses count as attempted hours and are subject to financial aid, Satisfactory Academic Progression, and tuition surcharge rules and calculations; they do not count in academic standing calculations or GPA calculation.

Withdrawing from courses retroactively

Undergraduate students shall be given one year following the term in which a course or courses were taken to submit a Course Withdrawal Request with the Students First Office. Students who seek to withdraw from a course or courses retroactively must meet the conditions under Withdrawing from Current Term Courses and the Course Withdrawal Request Committee, under the purview of the Students First Office, must authorize the request. Students are strongly encouraged to contact the Students First Office for assistance before officially submitting a Course Withdrawal Request. If a Course Withdrawal Request is authorized, all requested courses will be indicated on a transcript with a grade of W (Withdrawn) for classes taken prior to Fall 2014, and a

grade of WE (Withdrawn Exception) for courses taken in Fall 2014 and thereafter. Students who have graduated may not withdraw from courses retroactively.

Neither the course withdrawal (WX) nor the course withdrawal with an exception (WE) can be replaced under the university's Grade Replacement Policy or forgiven as part of the Academic Renewal Policy.

Course Levels

Course level numbers are structured as follows:

Course Level Number	Description
100-199	intended primarily for freshmen
200-299	intended primarily for sophomores
300-399	intended primarily for juniors
400-499	intended primarily for seniors
500-599	for all graduate students
600-749	for all graduate students, including doctoral
750-799	doctoral level only

Course Loads

Twelve credit hours is considered full-time status for undergraduates. An undergraduate student must be enrolled for a minimum of 12 credits to qualify for full-time certification to any organization.

Full-time undergraduates normally take five courses per semester. Since a majority of courses carry three hours of credit with some carrying four hours of credit, a normal course load is 15 or 16 credits per semester. To complete most undergraduate degrees in four years, students should plan to carry 15 or 16 credits per semester.

Undergraduates may not take more than 18 credits per semester except with the approval of their assigned academic advisor. Students who have cumulative grade point averages of 3.0 may be authorized, in special circumstances and at the discretion of the Dean of Undergraduate Studies, to carry a maximum of 21 credits of course work.

Suggested Academic Workload Guidelines

Students should be aware that academic excellence and scholastic achievement usually require a significant investment of time in study, research, and out-of-class projects. To provide guidance to students in planning their academic and work schedules, the following recommendations are offered:

1. In general, students should plan to devote between 2–3 hours outside of class for each hour in class. Thus, students with a 15 credits course load should schedule between 30–45 hours weekly for completing outside-of-class reading, study, and homework assignments.
2. Students who are employed more than 5–10 hours each week should consider reducing their course loads (semester hours), depending upon their study habits, learning abilities, and course work requirements.

Grading

Academic Renewal

The following policy was approved by the UNC Greensboro Faculty Senate on October 2, 2002; amended October 23, 2006; amended March 4, 2015.

Academic Renewal allows formerly enrolled students who have been readmitted the possibility of having grades earned during their previous attendance period to be forgiven (excluded from GPA calculations). Students initiate the request for Academic Renewal by filing a form with the Students First Office.

Formerly enrolled students who left UNC Greensboro with a cumulative GPA below 2.00 may pre-qualify for academic renewal when:

- they have not been enrolled in any institution of higher education for a minimum of one year (one fall and one spring semester);

or, as an alternative:

- they have completed 24 credit hours of transferrable college credit with a 2.50 GPA since their last enrollment at UNC Greensboro.

Upon being readmitted and/or reactivated under the provisions of this policy, pre-qualified students may apply for Academic Renewal after earning at least a 2.30 GPA on their first 12 credits following re-enrollment. If a student earns fewer than 12 credits in their first term after re-enrollment, all hours and grades earned in consecutive terms (concluding with the term in which the 12 credits total is reached) will be considered for this requirement. If a student earns more than 12 credits in the first term after re-enrollment, all hours and grades earned in that term will be considered for the GPA requirement. Thereafter, the student must meet the standard for continuation in the university Academic Good Standing policy.

All Academic Renewal requests should be submitted to the Students First Office and will be reviewed for approval by the Academic Renewal Review Committee.

Upon meeting the Academic Renewal requirements, previously completed courses in which grades of a D+ or below were earned will be forgiven. The recomputed GPA will be calculated from the courses in which grades of C- or higher were earned. All courses taken will appear on the academic record and count toward attempted hours. Grades will be forgiven only once during a student's career and cannot be reversed.

Students who receive approval for an Academic Renewal Request cannot utilize the Grade Replacement Policy in future semesters.

Chancellor's List

Undergraduate students are eligible for the Chancellor's List who meet the following criteria:

- achievement of 30 or more credits at UNC Greensboro
- a cumulative grade point average of 3.65 or higher
- current enrollment at UNC Greensboro in 12 or more credits
- be in Academic Good Standing

In the case of transfer students, at least one semester of enrollment at UNC Greensboro is required.

Recognition is accorded the recipients of this honor. The Chancellor's List is published on the University Registrar's website after all grades have been processed for the respective fall or spring term. The achievement also appears on the academic transcript.

Dean's List

Undergraduate students are eligible for the Dean's List who meet the following criteria:

- carry six or more credits of course work graded on an A, B, C, D, or F basis
- earn a grade point average of 3.50 or better and have no grade below B- for the semester
- be in Academic Good Standing

The list is compiled at the end of each semester or when a grade change is processed after a semester for all students whose grade point average falls within the range at the time the report is prepared.

Recognition is accorded the recipients of this honor. The Dean's List is published on the University Registrar's website after all grades have been processed for the respective fall or spring term. The achievement also appears on the academic transcript.

Final Course Examinations

Final examinations may be required at the discretion of faculty and must be scheduled in course syllabi with information available to students on the first day of class.

Change of Examination Schedule

A student desiring to change the meeting time of a final exam should make the request directly to the class instructor. It is the instructor's prerogative to grant such requests. In instances where students have more than two exams within a 24-hour period, they may apply to the University Registrar's Office, 180 Mossman Building, for permission to change their exam schedules. The usual process is to change the middle examination in a sequence of three. All requests for changes in examinations must be filed with the University Registrar's Office before Reading Day.

Grade Appeal Policy

If a student wishes to appeal an assigned grade, the student should first discuss the concerns with the instructor. If desired, the student may further appeal to the department head, the dean of the school or college, and the provost, in that order.

The following amendment to the appeal policy was approved by the UNC Greensboro Faculty Senate on November 17, 2007.

Grade Appeals will be considered only in the most exceptional circumstances, and are approved only in cases where the evidence strongly supports the student's claim. Appeals must be filed no later than the first six months after the grade has posted.

Examples that do merit a grade appeal include:

- The instructor has miscalculated a final grade;
- The instructor has violated the grading policies outlined in the syllabus without reasonable cause;
- The instructor has not provided a reasonable explanation of how the student's work was evaluated.

Examples that do not merit a grade appeal include:

- The instructor's grading policies differ from other instructors in the department, college or school, or university.
- The instructor's Attendance Policy differs from other instructors in the department, college or school, or university.
- The instructor's Late Work Policy differs from other instructors in the department, college or school, or university.
- The grade distribution in the class in question is lower than in other sections of the same course.

- The student's grade in the course is significantly lower than grades the student earned in similar courses.
- The grade in question will trigger probation, suspension, or loss of financial aid.

Please note that simple disagreement about what constitutes fair grading is not grounds for an appeal. Department or school handbooks and/or the instructor's syllabus define standards for grading in that course. When a student elects to remain in a class after reading these materials, the student is understood to have accepted the grading terms for the course. The instructor is not obligated to deviate from grading standards outlined in the department or school handbooks and/or the syllabus.

Grade Points/Grade Point Averages (GPA)

UNC Greensboro uses a credit hour and grade point system for evaluating undergraduates. Credit hours represent the number of course hours completed. Grade points are determined by the number of credits attempted and the grades earned.

The grade point average is determined by dividing the accumulated number of grade points earned by the accumulated number of semester hours undertaken. Hours attempted but not passed must be included in this calculation. However, a second F or WF in the same course is not used in computing the grade point average. Courses graded on the P/ NP or S/U basis and courses transferred from another institution (except those courses taken through the Consortium and Inter-institutional Registration) may not be used in determining the UNC Greensboro grade point average.

Beginning with courses taken in Fall 1996, plus/minus grades are incorporated into the GPA for all undergraduates.

Grade	Grade Points Awarded Per Hour of Credit
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F/WF	0.0

Grade Replacement Policy

Except for courses with specific provision in the course description for repeated credit, a UNC Greensboro undergraduate student may repeat a UNC Greensboro course in an attempt to earn a better grade. Students may request that an original grade in a course be removed from the Grade Point Average (GPA) and replaced by the grade earned in the repeated course. Students must initiate the request by filing a form with the University Registrar's Office to replace a grade.

- Grades can be replaced for courses taken Fall 2005 and thereafter.
- Only courses numbered 300-level and below may be repeated.
- During their undergraduate careers, students may request to replace the grades for a total of three courses, regardless of credit hour value.

For example, a student may replace a single course three times, or a combination thereof, not to exceed the limits of the policy.

- Grades earned as a result of Academic Integrity violations, which are recorded by the Dean of Students Office, may not be replaced by another grade.
- Grades earned in repeated courses will not be used to replace grades earned as part of a degree once it has been conferred.
- All grade replacements are final.
- The academic record will reflect all attempts and grades.
- The attempted credits from all courses will be counted for academic standing, tuition surcharge, and financial aid eligibility (as applicable).
- Students who have received an approved Academic Renewal Request cannot utilize the Grade Replacement Policy in future semesters.

In the case of all other repeated courses, attempted credits and grade points from all attempts will be counted fully in the GPA; however, credits earned for the course will count only once in the total hours for the degree. Departmental policies may supersede this policy.

Grade Reports

Final course grades are made available to students at the end of each semester on UNCGenie, UNC Greensboro's student information system. Students can view and print copies of their grades from UNCGenie.

Grades

A grade in a course is based on the quality of the student's classroom and written work throughout the semester. Most course grades are not solely based on the final examination alone.

If a course or its equivalent is taken more than once for credit and is not repeatable for credit, credit will be applied toward degree requirements only once.

Grading System For Undergraduates

Grade	Description
A	Excellent—indicates achievement of distinction and excellence in several if not all of the following aspects: 1) completeness and accuracy of knowledge; 2) intelligent use of knowledge; 3) independence of work; 4) originality.
B	Good—indicates general achievement superior to the acceptable standard defined as C. It involves excellence in some aspects of the work, as indicated in the definition of A.
C	Average—indicates the acceptable standard for graduation from UNC Greensboro. It involves such quality and quantity of work as may fairly be expected of a student of normal ability who gives to the course a reasonable amount of time, effort, and attention.

D	Lowest Passing Grade—indicates work that falls below the acceptable standards defined as C but which is of sufficient quality and quantity to be counted in the hours of graduation if balanced by superior work in other courses.
F	Failure—indicates failure that may not be made up except by repeating the course.
I	Incomplete—indicates that the completion of some part of the work for the course has been deferred because of prolonged illness of the student or because of some serious circumstances beyond the student's control. Concomitantly with the recording of an Incomplete grade, the instructor files with the head of the school or department concerned the student's average grade and the specific work that must be accomplished before the Incomplete can be removed. Incomplete grades may be recommended by the university physician, the Counseling and Testing Center, and by the Dean of Undergraduate Studies. See also the topic Incomplete Grades in this section.
IP	In Progress—indicates that the course work was planned to continue beyond a single semester.
NR	Not Reported—indicates a final grade was not submitted prior to the official end of the semester according to the university's academic calendar.
P/NP	Passing/Not Passing—used for designated courses only; courses graded P/NP are so indicated in the course description.
SP	Special Exam
W	Withdrawal—indicates a course from which the student withdrew during the first eight (8) weeks of classes; no academic penalty is attached to a grade of W; see also Course Withdrawal.
WF	Withdrawal with Failure—indicates a course from which the student withdrew after the first eight (8) weeks of classes; a WF is computed in the student's GPA; see also Course Withdrawal.
WN	Withdrawal Not Passing—used in courses designated P/NP.

NC	No Credit—indicates an audited course.
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Incomplete Grades

An Incomplete grade may be removed by completion of the deferred work. The time line for which all deferred work must be submitted by a student is determined at the discretion of the instructor and should be clearly outlined via a written document summarizing the course work to be completed and any deadlines for submission. A student should not re-register for the course in order to remove the Incomplete. An Incomplete received during a semester or in summer session must be removed within six months from the last day of examinations in the term in which the course was taken. Current deadlines for removals of incompletes are published below.

An incomplete not removed within this time limit is automatically converted to an F by the university registrar. A graduating senior who incurs an incomplete and who has completed all requirements and enough semester hour credits and grade points to graduate may do so even though the Incomplete grade is outstanding. If the Incomplete is not removed within the required six months, it will be converted to F at the end of that period of time. When an Incomplete is removed, it may be replaced by A, B, C, D, F, or, in certain designated courses, P, NP, S, or U.

Incomplete Removal Deadlines

Incomplete grades must be removed by the deadlines stated below or they will be automatically converted to F on the student's academic record.

Note: These deadlines indicate the final date that an instructor may submit a grade change to remove the incomplete grade. The parameters for removing an incomplete grade, including any deadlines for which work must be submitted by a student, are at the discretion of the instructor.

Fall 2018

Incomplete grades earned during Fall 2018 must be removed by **June 6, 2019**.

Spring 2019

Incomplete grades earned during Spring 2019 must be removed by **November 9, 2019**.

Summer 2019

Incomplete grades earned during Summer 2019 must be removed by **January 25, 2020**.

Fall 2019

Incomplete grades earned during Fall 2019 must be removed by **June 12, 2020**.

Spring 2020

Incomplete grades earned during Spring 2020 must be removed by **November 7, 2020**.

Summer 2020

Incomplete grades earned during Summer 2020 must be removed by **January 23, 2021**.

Retroactive Grade Change

A retroactive grade change is a change in an officially recorded grade. A grade becomes officially recorded when the Registrar so stipulates. Except to correct clerical errors or to resolve an incomplete grade (see Incomplete Grades), a retroactive grade change is an extraordinary action and is granted only in the most compelling circumstances. No

change may occur unless the instructor who gave the grade initiates the formal process of a retroactive grade change. The change must also be approved by the instructor's department head and by the instructor's dean.

Students who seek a retroactive grade change to a W are referred to the section on Withdrawing from Courses Retroactively in the Course Withdrawal Policy.

Retroactive grade changes are not made for students who have graduated.

Credit Hours

Credits for all courses are reported in credit hours. A credit hour credit equals one 50-minute class period per week or its equivalent throughout one semester. The number of credits given for each course is listed as part of the course description.

Honors For Second Degree Recipients and Transfer Students

To maintain equity with students who have attended all four years at UNC Greensboro and who may have a semester GPA that would qualify them for honors, the following policy is in place: Any second degree candidate or degree candidate who transferred to UNC Greensboro from another institution is eligible for graduation with honors who, at the end of the final year, has completed toward the degree (in the case of second degree students, toward the second degree) at least 45 credit hours of work in residence at UNC Greensboro and has earned the requisite grade point average.

Majors, Minors, Double Majors and Simultaneous Degrees Policy

Major

The major is a field of study in which a student must specialize in an academic discipline or interdisciplinary area of study by taking a minimum of 27 credit hours in a specified selection of courses in the subject matter(s) as a part of the requirements for completion of an undergraduate degree program. All students must complete the requirements for at least one major, in addition to general education requirements, to successfully earn a bachelor's degree. The major appears on the transcript.

All undergraduate degree-seeking students must meet the requirements to declare and be accepted into a major prior to the completion of 60 credits of credit. Transfer students entering with more than 60 credits must declare and be accepted into a major prior to registration of their first term at UNC Greensboro.

The student may declare the major in one of the following ways:

- Upon completion of the initial undergraduate freshman, transfer, or international admissions application.
- By formal request to the department of the new degree program.

Concentration

A concentration is a structured plan of study within select majors comprising a specified cluster of courses. The requirements for a

concentration are determined by the department. The concentration appears on the transcript.

Minor

A minor represents an optional, secondary field of study for a degree-seeking student; no student may declare a major and a minor in the same discipline. A minor requires additional coursework beyond what is already required for a related major. The minor appears on the transcript.

Pre-Major

A pre-major is a designated pathway for interested undergraduate students to gain entry into a UNC Greensboro undergraduate major/degree program. A pre-major functions principally as an advising tool that helps departments guide interested students into required preparatory coursework and to advise them on any other major requirements.

Acceptance or assignment into a pre-major does not guarantee acceptance into the associated major.

Preprofessional Programs

UNC Greensboro offers all courses required for admission to certain professional schools. The Pre-Professional Programs are not majors, but areas of interest. Students must select another academic area as the major.

Double Major

A student who fulfills the specified requirements for two different majors under a single degree program (e.g. B.A., B.S.) prior to graduation completes a double major. For example, a student may complete a Bachelor of Arts (B.A.) with majors in Music and Political Science or a Bachelor of Science (B.S.) with majors in Psychology and Business Administration.

The successful completion of prerequisite and curriculum requirements for both majors are required in order to complete the degree program with a double major. A student must declare a primary major and fulfill the General Education requirements of the primary major. For double majors, one diploma is issued and both majors are recorded on the student's transcript.

Simultaneous Degrees

A student who fulfills the specified requirements for distinct programs from different degrees prior to graduation will be awarded simultaneous degrees. For example, a student may complete a B.A. in Economics and a B.S. in Physics.

The student must complete an additional 31 credit hours beyond the degree plan with the higher number of required credit hours. Successful completion of prerequisite and curriculum requirements for each degree is required in order to complete both degrees. In order to graduate, the student must complete two graduation applications (one application for each degree).

For students who receive simultaneous degrees, two diplomas are issued, and both degrees and majors are listed on the student's transcript.

Change of Degree Program, Major, Concentration, and/or Minor

An undergraduate student may change the degree program which consists of major and/or concentration and/or minor and may enroll in a new degree program provided that the student meets the prerequisites for admission to the new degree program. See Student Catalog Year Policy for establishing the requirements for the changed degree.

The change of degree program (major, concentration, or minor) must be requested through and approved by the department of the new degree program. The department will submit the approval to the University Registrar's Office for processing.

A student who has earned 60 or more credit hours cannot change his/her major to Exploratory/Undecided.

Second Baccalaureate Degree

Students who have previously earned bachelor's degrees from UNC Greensboro or other accredited institutions may apply to a program leading to a second baccalaureate degree. The major selected for the second baccalaureate degree must be in a different academic discipline from that of the first degree.

Students seeking a second baccalaureate degree must:
Complete no fewer than 31 credits at UNC Greensboro within the second baccalaureate degree requirements.
Achieve a minimum grade point average of 2.0 on all work attempted toward the second degree.
Satisfy all requirements for the second degree.

Students who hold a baccalaureate degree from an accredited institution will not be required to satisfy the UNC Greensboro General Education Requirements for the second degree.

Baccalaureate Minor After Degree Awarded

Students who have earned a bachelor's degree from UNC Greensboro may not enroll in a program of study leading solely to a minor.

Steps to Graduation

By the beginning of the semester or summer session in which graduation is expected, undergraduates must officially apply for graduation to the University Registrar. Fulfillment of all requirements for the degree applied for, as well as official application for the degree, are the student's responsibilities.

Academic Requirements

Candidates for a baccalaureate degree must satisfy all of the specific requirements of UNC Greensboro and of the School/College and department in which they major. They must present for graduation the specific number of semester hours required for the degree with a minimum cumulative overall grade point average of at least 2.0 on all credits undertaken.

At least 36 of the total credits for the degree must be at the 300 level or above.

Graduation Requirements

Students must complete the specific number of credits required for the degree with a minimum cumulative overall grade point average of at least 2.0 on all hours undertaken; at least 36 of the total credits for the degree must be at the 300 level or above; all students must complete at least 31 credits in residence at UNC Greensboro for the degree.

Residence Requirements

All students must complete at least 31 credits in residence at UNC Greensboro for the degree, 12 of which must be in the major field and 9 of which must be in the minor if a minor is sought. After enrollment, Extension credit and Correspondence courses offered by UNC Greensboro are considered residence credit; however, credit earned by special examination is not considered residence credit.

Time Requirements

General Education Requirements

The following policies regard time allowed for completion of GEC and GEC + LEC requirements. The Office of the University Registrar can provide additional details.

GEC or GEC + LEC Requirements

Students must meet the General Education or General Education and College Additional Requirements (LEC) for graduation as stated in this *University Catalog* in effect at the time of original enrollment at UNC Greensboro. If the student fails to graduate within seven years, however, the university* has the option of enforcing:

1. The original requirements, or
2. The GEC or GEC + LEC requirements in effect at the time the seven year period expired, or
3. The GEC or GEC + LEC requirements in effect at the time of re-enrollment if the student withdrew.

* *Typically, the UNC Greensboro Office of the University Registrar will make the choice among these options in consultation with the department in which the student chooses to major.*

Major Requirements

Students must meet the departmental major requirements in effect when the student declares or, if required by the department, is formally admitted to a school/college major. If the student fails to graduate within seven years, however, the university* has the option of enforcing:

1. The original requirements,
2. The major requirements in effect at the time the seven year period expired, or
3. The major requirements in effect at the time of re-enrollment if the student withdrew.

* *Typically, the department in which the student chooses to major will make the choice among these options in consultation with the UNC Greensboro Office of the Dean of Undergraduate Studies.*

Application for Graduation

All undergraduate students are required to file an application for graduation with the University Registrar's Office at the beginning of the semester in which they plan to graduate. The online degree application is available via UNCGenie.

This application is required for processing the final degree audit and for printing diplomas. See the topic Miscellaneous Fees and Expenses in the Expenses, Payments, and Refunds section. The fee is nonrefundable. The deadline dates for filing are also published each year in the Academic Calendar and on the University Registrar's Office website.

Students who do not graduate in the semester for which they file a graduation application must refile for the next term in which they expect to complete their degrees.

Applications are accepted for a short period of time beyond the published deadlines in order to allow for extenuating circumstances; however, once the application for a term is disabled and deemed closed, students must apply to graduate for the next available term. These deadlines are not negotiable as notification of the candidates for graduation are submitted to the Board of Trustees for official action shortly after the deadline dates for filing each term.

Graduation with Latin Honors

Graduation with Latin honors is based on all courses (including the last semester's work) for which grades and grade points are given. Any senior is eligible for honors who, at the end of the senior year, has completed at least 45 credits of work in residence at UNC Greensboro. This does not include hours for which credit and grade points have been received by special examinations. Honors information printed in the commencement program is based on course work completed through the previous semester, as is the list provided for the purchase of honor cords.

Latin honors are awarded to graduating seniors as follows:

Summa cum laude (with highest honor)
achievement of a minimum grade point average of 3.90

Magna cum laude (with great honor)
achievement of a minimum grade point average of 3.70

Cum laude (with honor)
achievement of a minimum grade point average of 3.50

Commencement Ceremonies

Commencement ceremonies are held in May and December of each year; there is no formal ceremony in August. The names of August degree recipients are printed in the December commencement program and listed on the University Registrar's Office website. Visit <http://commencementcentral.uncg.edu> for information about the commencement ceremonies.

Commencement Participation Policy

Approved by the Chancellor, February 19, 2003

Students completing all degree requirements by the end of the spring semester are encouraged to participate in May Commencement. Students completing degree requirements by the end of the fall semester are encouraged to participate in the December Commencement. There is no ceremony in August for summer graduates.

Students completing degree requirements by the end of the Summer Session may participate in either the May (preceding the completion of the summer term) or the December (following the completion of the summer term) commencement ceremony by applying to graduate for the summer term, paying the graduation fee, and completing the RSVP form found at <http://commencementcentral.uncg.edu>. Note that the names of August graduates appear only in the December commencement program.

Please note: Degree candidates will neither earn degrees nor be graduated from the university until they have completed all degree requirements. Participation in a commencement ceremony does not presume graduation from the university.

Students who do not apply for graduation before the published deadline for any semester must apply for graduation during the next semester. Students who have applied for graduation but fail to meet the requirements must reapply for graduation by the published deadline for the semester in which they will fulfill the requirements.

Degrees are conferred only after all requirements are completed and the Board of Trustees has taken official action.

Visit <http://commencementcentral.uncg.edu> for information about the commencement ceremonies.

Withdrawal from the University

Undergraduate students who find that they must withdraw from the university can do so by withdrawing from all courses through UNCGenie. Undergraduates who withdraw from all courses are considered to be withdrawn from the university and must seek reactivation or readmission through Undergraduate Admissions to return to school in subsequent terms.

Students withdrawing from the university within the first eight weeks of the term will be indicated on the transcript with a grade of WT (Withdrawn - Total). All WT courses count as attempted hours and are subject to financial aid, Satisfactory Academic Progression, and tuition surcharge rules and calculations; they do not count in academic standing calculations or GPA calculation.

If a student withdraws from the university after the eight-week deadline, WF grades will be recorded. WF grades are calculated in the student's GPA as F (failing) grades.

General Education Program

Philosophy of UNC Greensboro's General Education Program

The faculty and staff of The University of North Carolina at Greensboro are dedicated to student learning and believe that the best evidence of this commitment is the caliber of UNC Greensboro graduates. A UNC Greensboro graduate should combine specialized education in a major with the skills, knowledge, and understanding necessary to be a lifelong learner, an ethical and independent decision maker, a critical and creative thinker, a clear and effective communicator, and a responsible citizen.

The character and abilities of an educated person are the product not solely of a specific battery of courses but of an entire process of education. The mandate to foster the knowledge, character, and sensibility of a university-educated person belongs to the entire university, not to a single department or unit. To the extent possible, learning in the General Education Core should provide foundations and alternative perspectives for the more specialized knowledge gained in the major, while learning in the major should build upon and extend the work that is done in General Education courses.

UNC Greensboro General Education Mission and Goals

The faculty and staff of The University of North Carolina at Greensboro embrace student learning as the highest priority. Our General Education Program provides students with the foundational knowledge, skills, and values necessary to be critical and creative thinkers, ethical decision-makers, effective communicators, and collaborative and engaged global citizens. The breadth of General Education empowers our students to thrive as lifelong learners who lead personally fulfilling lives. Thus, the General Education Program provides foundations and alternative perspectives for the more specialized knowledge gained in the major. Likewise, the major builds upon and integrates knowledge, skills, and attitudes learned in General Education courses and the cocurriculum.

Learning Goals

LG1. Foundational Skills: Think critically, communicate effectively, and develop appropriate fundamental skills in quantitative and information literacies. The following categories and markers support this Learning Goal: GRD, GLT, GFA, GPR, GHP, GMT, GNS, GSB, GL, GN, WI, SI.

LG2. The Physical and Natural World: Understand fundamental principles of mathematics and science, and recognize their relevance in the world. The following categories and markers support this Learning Goal: GMT, GNS.

LG3. Knowledge of Human Histories, Cultures, and the Self: Describe, interpret, and evaluate the ideas, events, and expressive traditions that have shaped collective and individual human experience through inquiry and analysis in the diverse disciplines of the humanities, religions, languages, histories, and the arts. The following categories and markers support this Learning Goal: GLT, GFA, GPR, GHP, GSB, GL, GN.

LG4. Knowledge of Social and Human Behavior: Describe and explain findings derived from the application of fundamental principles of empirical scientific inquiry to illuminate and analyze social and human conditions. The following categories and markers support this Learning Goal: GPR, GSB, GL, GN.

LG5. Personal, Civic, and Professional Development: Develop a capacity for active citizenship, ethics, social responsibility, personal growth, and skills for lifelong learning in a global society. In so doing, students will engage in free and open inquiry that fosters mutual respect across multiple cultures and perspectives. The following categories and markers support this Learning Goal: GFA, GPR, GNS, GSB, GL, GN.

To ensure that students attain these Student Learning Goals by graduation, UNC Greensboro requires that they complete the General Education Core (GEC) requirements listed in this Catalog. Other requirements and opportunities in the major program, the minor program (if any), and the total undergraduate experience build on the foundation of the GEC and contribute to the attainment of these goals. Students are thus given the opportunity to work toward each goal not just in one course, but in a series of courses and learning experiences encountered from the freshman through the senior year. Alternative ways to demonstrate competencies will be available to students with documented disabilities.

General Education Core Category & Marker Abbreviations and Descriptions

Courses approved as meeting requirements in the General Education Core category or marker areas are indicated by one of the following abbreviations:

General Education Core Category Abbreviations

General Education Abbreviation	Name
GFA	Fine Arts
GHP	Historical Perspectives
GLT	Literature
GMT	Mathematics
GNS	Natural Sciences
GPR	Philosophical/Religious/Ethical Perspectives
GRD	Reasoning and Discourse
GSB	Social and Behavioral Sciences

General Education Marker Abbreviations

General Education Abbreviation	Name
GL	Global Perspectives
GN	Global Non-Western Perspectives

SI	Speaking Intensive
WI	Writing Intensive

The General Education Program relies upon category courses and marker courses. Category courses ensure a breadth of knowledge and are found at the 100, 200, and 300 levels. Courses with one or more markers integrate competency areas with a knowledge area. Marker courses may be found at lower and upper levels, within General Education, and within the major.

The following are brief descriptions of the General Education Core categories and markers, their methods, and learning goals.

Humanities and Fine Arts (GFA, GLT, GPR)

Fine Arts (GFA)

By focusing on painting, sculpture, architecture, drama, dance, cinema, or music, students gain understanding of the aims and methods of artistic expression and the role of cultural traditions and artistic value in human society.

Literature (GLT)

Students read and write about selected works of prose and/or poetry from diverse cultural traditions, analyzing the context, aims, and methods of literary expression.

Philosophical/Religious/Ethical Perspectives (GPR)

For two or more significant philosophical, ethical, and/or religious traditions, students examine and compare assumptions, modes of thought, and attendant practices, and analyze their effects on behavior.

Historical Perspectives (GHP)

Students use an historical approach to a specific region and period to explore the context of events (social structure, economics, political systems, culture, or beliefs), evaluate evidence and divergent interpretations, and communicate historical ideas in writing.

Natural Sciences (GNS)

By focusing on the concepts of one physical or biological science, students gain understanding of scientific inquiry as they analyze empirical information, distinguish between primary research and secondary reports, and communicate effectively about scientific issues.

Mathematics (GMT)

Students gain the skills to perform computations on data, to use mathematical principles to solve problems, and to reason with and manipulate concepts within a mathematical system.

Reasoning and Discourse (GRD)

Students gain skills in intellectual discourse, including constructing and evaluating arguments, synthesizing and analyzing evidence, and communicating clearly, coherently, and effectively.

Social and Behavioral Science (GSB)

This category covers the behavior of individuals, groups, or organizations. Students learn to use methodology and/or theoretical frameworks to interpret, analyze, and/or evaluate social contexts and situations which influence the behaviors of individuals, groups, and organizations.

Global Perspectives (GL)

Students focus on the interconnections among regions, cultures, polities, and/or intellectual traditions of the world, interpret and evaluate information on diverse ecologies, human societies, artistic achievements, or political systems, and gain sensitivity to cultural differences on a global scale.

Global Non-Western Perspectives (GN)

Students focus on the interconnections among cultures, politics, and/or intellectual traditions of the world other than the dominant Euro-American ones. Students will interpret and evaluate information on diverse ecologies, human societies, artistic achievements, and/or political systems, and gain sensitivity to cultural differences.

Speaking Intensive (SI)

In a course in any subject, students receive instruction in an appropriate mode of oral communication (interpersonal or small group communication, or presentational speaking), and enhanced opportunities to practice improvement of oral communication skills.

Writing Intensive (WI)

In a course in any subject, students demonstrate their understanding of its concepts and materials through writing, using constructive criticism from readers to revise drafts and produce one or more clear, coherent, and effective written assignments appropriate to the field.

General Education Core Courses

The members of the General Education Council approve Program courses and are responsible for Program oversight. See the Course Schedule in UNCGenie for complete General Education listings.

General Education Credit Through Study Abroad

Students may receive General Education category and marker credit for courses taken through study abroad programs offered by the University's International Programs Center.

As stated above, one Global Perspectives marker (GL or GN) course requirement is waived for each semester completed in a credit-bearing Study Abroad experience, up to a maximum of two course waivers. A summer program abroad counts as a semester.

For information about these courses and programs, contact the International Programs Center, 207 Foust Building (336-334-5404).

Writing Intensive (WI) And Speaking Intensive (SI) Courses

The General Education Program requires one Writing Intensive (WI) and one Speaking Intensive (SI) marker course from any discipline; a second WI course and a second SI course are to be taken in the major. Since most WI and SI courses are approved only for specific instructors or only for a given term, students should use the Course Schedule in UNCGenie for the current WI and SI course offerings.

Enrollment in certain Writing Intensive and Speaking Intensive courses is restricted to majors in that program. Students should always be aware of course prerequisites and other course restrictions as stated in this Catalog before attempting to register for a course.

General Education Category Requirements (33–34 total credit hours required)

Select courses as indicated from the categories listed below.

Humanities and Fine Arts (9 credits)

- One course from Fine Arts list—GFA (3 credits)
- One course from Literature list—GLT (3 credits)

- One course from Philosophical/Religious/ Ethical Perspectives list—GPR (3 credits)

Historical Perspectives—GHP

One course from Historical Perspectives list (3 credits)

Natural Sciences—GNS (6–7 credits)

Two courses from Natural Science list as follows:

- One must be a laboratory course.
- Each must have a different departmental course prefix (e.g., AST, ATY, BIO, CHE, etc.).

Mathematics—GMT

One course from Mathematics list (3 credits)

Reasoning and Discourse—GRD (6 credits)

- ENG 101 or FMS 115 or RCO 101 (3 credits)
- One additional course from Reasoning and Discourse list (3 credits)

Social and Behavioral Science—GSB

Two courses from Social and Behavioral Science list (6 credits)

General Education Marker Requirements

Fulfill the requirements listed below.

Two writing intensive courses

- One writing intensive course in any discipline(indicated in the online Schedule of Courses by marker WI).
- Students must also complete a second Writing Intensive course within the major.

Two speaking intensive courses

- One Speaking Intensive course in any discipline (indicated in the online Schedule of Courses by marker SI).
- Students must also complete a second Speaking Intensive course within the major.

Four Global Perspectives courses

- Indicated in semester Schedule of Courses by markers GL or GN.
- At least one of the Global Perspectives courses must carry the GN (non-Western course) marker.
- GL/GN courses may include a maximum of two courses in a foreign language (6 credits).
- One GL/GN course requirement is waived for each semester completed in a credit-bearing Study Abroad experience, up to a maximum of two course waivers. A summer program abroad counts as a semester.
- A foreign language course completed to meet an admission deficiency does not meet a GL or GN requirement.

Courses used to meet the core General Education Category Requirements section above also fulfill the marker requirements if the course carries the indicated marker in the online Schedule of Courses. Other marker courses are also available, including courses in the major. It is therefore possible to meet all General Education Marker Requirements while completing the courses under the General Education Category Requirements section

above and/or courses required for the major. Students should carefully and intentionally plan their semester course schedules.

Waivers of Marker Courses for Incoming Students Transferring 60 or More Credits

Students who initially enroll with 60 or more transfer credits are required to take just one SI course and one WI course, both in the major, and two Global Perspectives courses, one of which must carry the GN marker.

Work toward Student Learning Goals outside the General Education Program

General Education provides a foundation for progress toward the UNC Greensboro Student Learning Goals. These goals are then reinforced in the major and minor programs that students complete before graduation. In addition to the General Education category and marker requirements described above, all bachelor's degree programs require:

- At least one additional writing intensive course (WI) in the major
- At least one additional speaking intensive course (SI) in the major
- Proficiency level in technology as required for the major
- Proficiency level in information skills/research as required for the major

University Requirements

Undergraduate Degrees and Degree Requirements

Undergraduate Degrees

UNC Greensboro offers six baccalaureate degrees:

- B.A. Bachelor of Arts
- B.F.A. Bachelor of Fine Arts
- B.M. Bachelor of Music
- B.S. Bachelor of Science
- B.S.N. Bachelor of Science in Nursing
- B.S.W. Bachelor of Social Work

Requirements For A Bachelor's Degree

A bachelor's degree from UNC Greensboro is awarded to a student who has met the following requirements:

1. Successful completion of a minimum of 120 credit hours, distributed as follows:
 - a. General education core (GEC): 36–37 credits (minimum)
 - b. General education marker courses (may also satisfy General Education core and/or major requirements)
 - c. Additional College/School requirements
 - d. Major subject and related areas: as required by program
 - e. Electives: as required by program

Total minimum credits: 120
2. A grade point average on the credits attempted of not less than 2.0
3. At least 36 credits of courses at the 300 course level or above
4. At least 31 credits in residence at UNC Greensboro, 12 of which must be in the major field and nine (9) of which must be in the minor if a minor is sought

The College of Arts and Sciences and each of the five professional academic units—Joseph M. Bryan School of Business and Economics;

School of Education; School of Health and Human Sciences; School of Nursing; and the College of Visual and Performing Arts—have structured their individual degree programs to comply with this all-university degree framework.

Students who are undecided about their major are advised through the College of Arts and Sciences Advising Center (CASA). CASA advisors help these students determine the major program (in the College or one of the professional schools) that is best suited for them while they complete courses in the General Education Core.

Average Time To Graduation

Many factors affect both the length of time and the number of credit hours an individual student will require to complete the baccalaureate degree. At UNC Greensboro the median number of months to graduation for full time students is 46. The median number of credit hours completed is 125.

Full time undergraduate students are expected to complete at least 12 credits per semester. Failure to complete an average of 15 credits per semester may lengthen the student's time to graduation. Some majors do require formal admission beyond that required for admission to the University in general.

Students should meet with their academic advisors regularly to plan their academic schedules. To graduate, students must complete specific University requirements as well as requirements within the major. Students who change majors may find that additional requirements must be fulfilled. Changing majors excessively, or after the third or fourth semester of study, may also lengthen the time to graduation. Also see Tuition Surcharge.

Criteria for admission to a specific major (outlined in this Bulletin) and continuation in that major may include a University grade point average exceeding that required for continuation within the University as a whole. Students considering such majors should become familiar with the guidelines, and work with an academic advisor as soon as possible to ensure that they meet the criteria.

Changes In Degree Requirements And Other Regulations

The University reserves the right to make changes as required in course offerings, curricula, academic policies, and other rules and regulations affecting students, to be effective whenever determined by the University. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

Basic Technology Competencies

UNC Greensboro recognizes that the ability to utilize appropriate technologies is an essential proficiency for a university graduate in the twenty-first century. The university has established a list of Basic Technology Competencies in the categories of computer operation; setup; maintenance and troubleshooting; word processing; spreadsheet/graphing; library research; networking; telecommunication; use of Internet/Web; media communications; and multimedia integration. The list of these competencies is available as an on-line resource, and provides several means available to UNC Greensboro students for acquiring each competency, with options that include campus workshops, computer lab staff support, and websites. Go to UNC Greensboro Basic Technology Competencies to view and access these resources.

UNC Greensboro students are expected to use a variety of these basic technology competencies and additional competencies relevant to their fields of study. Incoming students should review the basic competencies and work to correct any deficiencies.

Information and Research Skills Competencies

In addition to basic technology skills, information literacy, which is the acquisition of information skills and research competencies, is an important Learning Goal of the General Education Program. Familiarity with information resources is essential in acquiring such skills, and these skills should be integrated into the academic curriculum. To assist students in gaining these skills, UNC Greensboro's university libraries offers two levels of information literacy instruction to undergraduates:

1. First-Year Undergraduates—students achieve orientation to research skills by completing the Library's Web tutorial and/or attending an instructional session, led by a librarian, that is integrated into one of their courses.
2. Upper Division Undergraduates—students who have not achieved the objectives of library instruction for first-year students may use the Library's Web tutorials designed for this purpose. In addition, more advanced skills may be gained through sessions that relate directly to course assignments and are arranged by teaching faculty for specific classes. Librarians tailor instruction to specific disciplines and assignments and also meet with students to offer individual assistance.

See the following for additional information: http://library.uncg.edu/info/help/classes_and_tours.aspx and <http://library.uncg.edu/research/tutorials/>

Student Outcomes Assessments

UNC Greensboro requires students to participate in student outcomes assessments from time to time prior to their graduation. Most of these activities consist of in-class assessments. However, students may also be invited to complete tests measuring other learning outcomes such as information literacy or science. These tests may occur outside of the classroom and at different times in a student's career. Scores on these tests are not used to evaluate students on an individual basis, but are used to evaluate learning across the university's programs. Participation is expected.

Academic Program Terminology Guide To Course Descriptions

Course descriptions are comprised of the following information:

- course number—each course description is represented by a three-letter prefix (indicating the department or program within which the course is taken) and a three-digit course number.
- course title
- course credit (in parentheses)—after each course title are two (or three) numbers separated by colons which indicate credit hours, lecture, and laboratory hours.
- description of course content
- prerequisites and/or corequisites
- courses with which the course may be cross-listed (i.e., Same as . . .)
- frequency of offering

- General Education credit (Distribution)
- special information (Notes), which may include:
 - special restrictions or other requirements
 - repeat-for-credit notation, if course can be repeated
 - grading mode, if other than letter grade
 - previous course occurrences, if renumbered or prefix changed (i.e., Formerly . . .)
 - equivalent course credit

See topics listed below for explanations of the above items.

Course Prefixes

Listed below are the current graduate and undergraduate course prefixes.

ACC - Accounting
 ADS - African American and African Diaspora Studies
 APD - Apparel Product Design
 ARB - Arabic
 ARC - Archaeology
 ARE - Art Education
 ARH - Art History
 ARS - Academic Recovery Seminar
 ART - Studio Art
 ASL - American Sign Language
 AST - Astronomy
 ATY - Anthropology
 BIO - Biology
 BLS - Humanities
 BUS - Business Administration
 CCI - Classical Civilization
 CED - Counseling and Educational Development
 CHE - Chemistry and Biochemistry
 CHI - Chinese
 CRS - Consumer, Apparel, and Retail Studies
 CSC - Computer Science
 CSD - Communication Sciences and Disorders
 CST - Communication Studies
 CTP - Comprehensive Transition and Postsecondary Education
 CTR - Community and Therapeutic Recreation
 DCE - Dance
 ECO - Economics
 EDU - Teachers Academy and Licensure Programs
 ELC - Educational Leadership and Cultural Foundations
 ENG - English
 ENS - Ensemble
 ENT - Entrepreneurship
 ERM - Educational Research Methodology
 ESL - English as a Second Language
 FFL - Foundations for Learning
 FIN - Finance
 FMS - Freshman Seminars
 FRE - French
 FYE - First Year Experience
 GEN - Genetic Counseling
 GER - German
 GES - Geography, Environment, and Sustainability
 GRC - Grogan College
 GRK - Greek
 GRO - Gerontology
 HDF - Human Development and Family Studies
 HEA - Public Health

HED - Higher Education
 HHS - School of Health and Human Sciences
 HIS - History
 HSS - Honors Programs
 IAF - Informatics and Analytics Foundations
 IAR - Interior Architecture
 IGS - International and Global Studies
 IPC - International Programs
 ISC - Integrated Science
 ISL - Integrated Studies Lab
 ISM - Information Systems and Operations Management
 ITA - Italian
 JNS - Japanese Studies
 KIN - Kinesiology
 LAT - Latin
 LIS - Library and Information Science
 LLC - Languages, Literatures, and Cultures
 MAS - Master of Applied Arts/Science
 MAT - Mathematics
 MBA - Master of Business Administration
 MGT - Management
 MKT - Marketing
 MLS - Master of Arts in Liberal Studies
 MST - Media Studies
 MTD - Music, Theatre, and Dance
 MUE - Music Education
 MUP - Music Performance
 MUS - Music
 NAN - Nanoscience
 NTR - Nutrition
 NUR - Nursing
 PCS - Peace and Conflict Studies
 PHI - Philosophy
 PHY - Physics
 POR - Portuguese
 PSC - Political Science
 PSY - Psychology
 RCO - Ashby Residential College
 RCS - Retailing and Consumer Studies
 REL - Religious Studies
 RUS - Russian
 SAS - Student Academic Success
 SCM - Supply Chain Management
 SEP - Spartan Experience Program
 SES - Specialized Education Services
 SOC - Sociology
 SPA - Spanish
 SSC - Social Sciences
 STA - Statistics
 STH - Sustainable Tourism and Hospitality
 STR - Strong College
 SWK - Social Work
 TED - Teacher Education
 THR - Theatre
 UNS - University Studies
 WCV - Western Civilization
 WGS - Women's and Gender Studies

Course Numbers and Levels

Course level numbers are structured as listed below.

Course Level Number	Description
100-199	intended primarily for freshmen
200-299	intended primarily for sophomores
300-399	intended primarily for juniors
400-499	intended primarily for seniors
500-599	for all graduate students
600-749	for all graduate students, including doctoral
750-799	doctoral level only

Undergraduates are reminded that a minimum of 36 credit hours must be completed at the 300 level or above to meet graduation requirements.

Course descriptions for graduate-level courses (600 and 700 level) are printed in the *University Catalog*.

Course Credit Hours

Credits for all courses are reported in credit hours. A credit hour credit equals one 50-minute class period per week or its equivalent throughout one semester. The number of credits given for each course is listed as part of the course description immediately following the course title.

Course Type Abbreviations with Instructional Delivery Method

Code—Title (Organized/Individual)
Description

ACT—Physical Activity (OC)

A course requiring students to participate in physical training, physical conditioning, or other physical exercise activities, sports, or games.

ADN—Administrative (IS)

For administrative use only. Placeholder or other administrative courses used to generate registration activity for a student for billing or other administrative purposes.

CBE—Competency Based (OC)

A course requiring students to demonstrate specific knowledge and skills aligned with clearly defined programmatic outcomes. Courses are typically self-paced and part of a designated competency-based education (CBE) program.

CLN—Clinical (OC)

A course requiring medical- or healthcare-focused experiential work where students test, observe, experiment, or practice a field or discipline in a hands-on or simulated environment.

COL—Colloquia (OC)

A course requiring students to participate in an unstructured or informal meeting for the exchange of views on a specific topic with an expert or qualified representative of the field or discipline.

DSC—Recitations (OC)

course requiring the extended expression of thought supported by generally-accepted principals or theorems of a field or discipline led by a teaching assistant or instructor under the guidance of a permanent faculty member, which often supplements or expands upon the content of a related or co-requisite course. G campus requires a meeting pattern/ location.

DTS—Dissertation or Thesis (IS)

IND—Individual Study (IS)

A course requiring students to participate in individualized, independent, directed, or guided studies under the supervision of an expert or qualified representative of the field or discipline that cannot be otherwise classified as Internship, Field Experience, Cooperative Education, Practicum, Recital, Performance, or Ensemble.

INT—Internship, Field Experience, or Cooperative Education (IS)

A course requiring students to participate in a partnership, professional employment, work experience, or cooperative education with an entity external to the institution, generally under the supervision of an employee of the given external entity.

LAB—Lab (OC)

A course requiring scientific- or research-focused experiential work where students test, observe, experiment, or practice a field or discipline in a hands-on environment, typically held in 210 designated spaces.

LEC—Lecture (OC)

A course requiring the extended expression of thought supported by generally-accepted principles or theorems of a field or discipline led by an expert or qualified representative of the field or discipline.

LEL—Lecture and Lab (OC)

A course that requires the combined attributes of a Lecture course and a Lab course.

PRC—Practicum (OC)

A course requiring students to participate in an approved project or proposal that practically applies previously studied theory of the field or discipline under the supervision of an expert or qualified representative of the field or discipline.

PRF—Recital, Performance, or Ensemble (IS)

A course requiring recital-, performance-, or ensemble-focused experiential work, including individual lessons, where students practice or rehearse and ultimately perform works of music, dance, or theatre for a jury or audience.

SEM—Seminar (OC)

A course requiring students to participate in structured conversation or debate focused on assigned readings, current or historical events, or shared experiences led by an expert or qualified representative of the field or discipline.

SLF—Correspondence (IS)

A course requiring the institution to provide instructional materials, by mail or electronic transmission, including examinations on the materials, to students who are separated from the instructor. Interaction between the instructor and the student is limited, is not regular and substantive, and is primarily initiation by the student; courses are typically self-paced.

STT—Student Teaching (IS)

A course requiring students to instruct or teach at an entity external to the institution, generally as part of the culminating curriculum of a teacher education or certification program.

STU—Studio (OC)

A course requiring visual- or aesthetic-focused experiential work where students test, observe, experiment, or practice a field or discipline in a hands-on environment.

Course Description

The description of a course is necessarily brief and is intended to give students a concise overview of course content. A course syllabus, which

contains complete details about a course's content and requirements, may be obtained from the department or instructor.

Course Prerequisites and/or Corequisites

A prerequisite is a course that must be completed before another course may be taken. A corequisite is a course that must be taken concurrently with another course. Prerequisites and corequisites are indicated with the heading Prerequisite or Corequisite followed by the requirements that must be met before that course may be taken. A student may not enroll in a course without having completed the proper prerequisites unless these prerequisites have been waived by the head of the department in which the course is offered.

Cross-Listed Courses

Each semester a number of courses are cross-listed with courses taught in a different department. These courses meet in the same room at the same time but have different course prefixes and may have different numbers. Cross-listed courses are listed under the Cross Listed Courses heading ("Same as . . ."). Students should be aware of cross-listings before registering in order to avoid taking a course for which they will not receive additional credit.

Frequency of Course Offering

Many courses indicate the semester(s) in which they are usually offered. This information is listed under the Offered heading:

- Fall and Spring—course usually offered both fall and spring semesters.
- Fall and Spring and Summer—course usually offered fall and spring semesters and summer session.
- (Fall or Spring)—course usually offered either fall or spring semesters.
- (Fall or Spring or Summer)—course may be offered fall semester, or spring semester, or summer session.
- (Fall or Spring or Winter)—course may be offered fall semester, or spring semester, or winter session.
- (Fall)—course usually offered fall only.
- (Spring)—course usually offered spring only.
- (Summer)—course usually offered summer only.
- (Alt)—course usually offered only in alternate semesters or years.
- (Even, Odd)—course usually offered in even or odd semesters or years.
- (Occ)—course offered occasionally.

Students should also be aware that regularly scheduled undergraduate classes for which fewer than ten students enroll (or graduate classes for which fewer than five students enroll) will be offered only with special approval of the Provost. If enrollment does not justify continuation of a class, the class may not be offered that semester.

General Education Requirement Abbreviations

See the General Education Program topic in the University Requirements section.

Other Course Restrictions

Some courses carry additional restrictions (Freshmen only; Majors only; etc.). Such restrictions are also listed in the prerequisite notation.

Repeat-for-Credit Notation

Some courses may be repeated for credit under special circumstances. Such information is listed in the Notes.

Grading Method

Courses are graded by letter grade (A–F) unless otherwise noted in the course description. If a course is graded other than by letter grade, this information is stated after the prerequisite listing. Also see the topic on Grading in the Academic Regulations and Policies Section.

Pass/Not Pass Courses

Undergraduate/advanced undergraduate courses that are graded P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory) and are so noted in their descriptions.

Equivalent Course Credit

A number of undergraduate courses have course content that is considered equivalent to other similar courses. The course entry in this bulletin will contain a notation under the Notes heading—such as “Students may not earn credit for both . . .” Students should be aware of such equivalencies before registering in order to avoid taking a course for which they will not receive additional credit.

Undergraduate Areas of Study

Undergraduate areas of study include all majors, concentrations, teacher licensure programs, minors, and second majors that are available to UNC Greensboro students. Each area of study carries a unique code, which is used to identify the program. Students seeking a baccalaureate degree must select a primary major, and may, after consultation with an advisor, also select a minor or a second major. See Undergraduate AOS (Area of Study) Codes in the Academic References section.

Also refer to the Academic Units section for a complete list of available areas of study by school and/or department.

Major Description And Program Requirements

A major is a formalized curricular program leading to a degree. A concentration is a formalized curricular sequence established to achieve a specific goal within a major. Each academic unit or department establishes the course requirements for each major program, concentrations within a major, and related area requirements. All program requirements follow the general structure described below.

Major Description

The following information is always included at the beginning of the major listing:

1. Name of major
2. Degree awarded
3. Total credit hours required for the degree
4. Area of Study Codes (AOS)
5. Concentrations available (if more than one area of study is available)

Program Admission Requirements

Special program admission and/or continuation requirements, if any, are listed immediately following the description of the major and degree. A number of programs have requirements that must be met before the student can be formally admitted to the major and permitted to take upper-level courses. Such requirements usually involve completion of

foundation courses, achievement of a certain GPA, and completion of a specified number of credit hours. Certain programs require portfolio review or audition for admission.

Program Course Requirements

General Education Requirements

All students completing undergraduate degrees at UNC Greensboro are required to complete General Education Core and Marker Requirements. All undergraduate programs follow General Education requirements. Most programs in the College of Arts and Sciences have College Additional Requirements (LEC) in addition to the General Education requirements. General Education core and marker requirements, including specific courses specified by the program, are listed prior to the major requirements.

Major Requirements

Major requirements include all courses that must be taken within the major department for completion of the degree. All undergraduate majors require a minimum of 27 credits in the major program of study.

Majors that provide students with more than one concentration or area of study within the major will usually separate the Major Requirements into Core Requirements and Additional Concentration Requirements. Core courses are those courses required of all students in the major, regardless of concentration. Concentration requirements are additional courses required only for a specific concentration.

A program of study taken by a student as a second major, in addition to the student's primary major, must meet all requirements as stated for that major. For example, a student pursuing English as the primary major who wishes to obtain a second major in French, must meet all the requirements for the English major as well as those for the French major.

Related Area Requirements

A number of majors require courses from other departments or programs for completion of the degree. Such courses are listed as “Related Area” requirements following the major requirements.

Teacher Licensure Requirements

Programs that lead to teacher licensure also list teacher licensure requirements.

Second Academic Concentration Requirements for Teacher Licensure Programs

Several teacher licensure programs require students to complete a second academic concentration in addition to the primary major program. Students in teacher education programs should check with their advisors or with the School of Education Licensure Programs for available second academic concentrations.

Electives

Most programs do not specify which electives a student must take although some may make suggestions. Electives are those courses taken to complete the credits required for the degree after fulfilling General Education requirements and major, related and/or other program requirements.

Minors

A minor is a formalized curricular sequence taken by a student outside his or her major area of study. Programs that can be taken as minors are described following descriptions of the major and second major. A minimum of 15 credit hours in a department is required to complete an area of study as a minor. Several areas of study can be taken only as minors. See individual programs for details.

Special Curriculum Option (Plan II)

For students whose intellectual interests and professional goals span more than one Academic Department, a special curriculum option—called Plan II—allows students to design an individualized interdisciplinary course of study drawing on existing faculty expertise and interest. Plan II programs should reflect the same kind of rigorous intellectual investigation found in UNC Greensboro's established department based majors. Rigorous intellectual investigation varies by discipline, but typically involves a scaffolded set of courses that build upon each other; some degree of formal theoretical analysis is often, if not universally, desirable.

Developing an individualized program is a time consuming process, often taking one year from initial intent to final approval. Students must file a statement of intent to pursue Plan II with the University Curriculum Committee prior to completing their first 45 institutional credit hours, and submit the full plan for review prior to completing their first 60 institutional credit hours. Students desiring to pursue Plan II should be advised that there is no guarantee that their proposed program will lead to graduation until it has been fully approved.

Required steps have been adopted by the Undergraduate Curriculum Committee for approving Plan II programs. The following is an abbreviated description of the procedures that must be followed:

1. Consult with the Student's First Office regarding established UNC Greensboro majors &/or minors to determine if a program that supports the student's interdisciplinary goals already exists (Plan II programs that replicate existing programs with minor variations will not be approved).
2. Select a faculty advisor with academic expertise in the primary component of the interdisciplinary major.
3. With the help of the faculty advisor, Select another faculty member with expertise in a different component of the interdisciplinary major, as well as a representative of the Unit Advising representative to serve on an advisory committee.
4. Develop a formal proposal with the advisory committee.
5. Proposal must be reviewed by the lead faculty advisor's academic unit's curriculum committee.
6. Proposals are then reviewed by the Undergraduate Curriculum Committee

Minor modifications to an approved Plan II program may be made if approved by both the faculty advisor and the University Registrar's Office. Other modifications require the full process outlined.

Graduate Policies

Academic Regulations

Eligibility to Continue in Graduate School

The Graduate School may dismiss a student for academic reasons, violation of the academic integrity policy, and/or student conduct violations as described in each program's graduate handbook.

Academic Good Standing

Students enter Graduate School with no academic standing and are expected to earn a GPA of 3.0 to be placed in Academic Good Standing. Continuing students must maintain a cumulative GPA of at least 3.0 in all graduate course work at UNC Greensboro to remain in Academic Good Standing.

Academic Probation and Academic Dismissal

Any student whose cumulative GPA for all graduate courses falls below 3.0 will be placed on Academic Probation, effective for the next term during which the student is enrolled. Probationary status will be removed and the student returned to Academic Good Standing if (1) the student's GPA for each term during which the student is on probation is 3.0 or better, and (2) the student's cumulative GPA for all graduate courses is at least 3.0 at the end of the semester in which the student completes 9 credit hours after being placed on Probation. If Probationary status is not removed upon the completion of 9 credit hours after being placed on Probation, or if the student achieves a term GPA below 3.0 while on Academic Probation, the student will be dismissed from the program and will be ineligible to continue in the Graduate School.

If the Graduate School determines that it is not possible to return to Academic Good standing within the allotted credit hours for graduation, that student will not be placed on Academic Probation. Instead, that student will be immediately dismissed from the Graduate School.

Should a student meet the criteria to be placed on Academic Probation more than once in the same program, they will not be placed on Academic Probation, but instead will be immediately dismissed from the Graduate School.

While on Academic Dismissal, students are not eligible to take graduate-level courses as a non-degree seeking student.

Should a student complete or withdraw from one academic program and begin study in another academic program, all grades remain part of the student's academic record and contribute to the student's cumulative graduate GPA, except in case of a Fresh Start (<https://catalog.uncg.edu/admissions/graduate-admissions/>).

Students may refer to Graduate Grading for a more detailed description of grading policies.

Graduate Exams

Graduate students will be dismissed from the Graduate School if they fail a written or oral milestone exam (e.g. preliminary exam, qualifying exam, or comprehensive exam) for the second time.

Satisfactory Academic Progress and Professionalism

Satisfactory performance in The Graduate School also involves maintaining the professional standards and academic progress expected in a particular discipline or program. Failure to maintain the standards or progress set out in a student's departmental or program handbook may result in dismissal of the student from the program.

(See Also Readmission and Catalog Policy, Fresh Start Admission)

Academic Progress and Professionalism

Satisfactory performance in The Graduate School also involves maintaining the professional standards and academic progress expected in a particular discipline or program. Failure to maintain the standards or progress set out in a student's departmental or program handbook may result in dismissal of the student from the program.

Satisfactory Academic Progress for Financial Aid

The federal and state governments require each educational institution to define standards of progress for students seeking financial aid. All students who wish to qualify for financial aid while attending UNC Greensboro must meet the following standards:

- Minimum grade point average
- Minimum semester credit hour completion rate
- Completion of a degree within a maximum number of credit hours

To view the complete SAP (Satisfactory Academic Progress) Policy click [HERE \(https://fia.uncg.edu/forms/2018-19/1819SAPpolicy.pdf\)](https://fia.uncg.edu/forms/2018-19/1819SAPpolicy.pdf) to view the document.

Appeals Policy and Procedures

This policy provides a procedure for graduate students to make claims that their rights under University policy or under the law have been violated. This procedure is to be used to resolve grievances against decisions or action that were made by employees or agents of UNC Greensboro and that would adversely affect the student's progress toward a graduate degree. The procedures set forth below may be used by persons who are enrolled as UNC Greensboro graduate students.

This policy is not meant to supersede policies of general applicability such as the Policy on Discriminatory Conduct (<http://uncg.smartcatalogiq.com/en/2016-2017/Graduate-Bulletin/Appendices/Appendix-E/Policy-on-Discriminatory-Conduct>) which are to be resolved by a separate body. In addition, this policy is not meant to supplant such existing policies as the Student Code of Conduct (<http://uncg.smartcatalogiq.com/en/2016-2017/Graduate-Bulletin/Academic-Regulations/General-Policies/University-Policies>), Academic Integrity Policy (<http://uncg.smartcatalogiq.com/en/2016-2017/Graduate-Bulletin/Appendices/Appendix-A/Academic-Integrity-Policy>), Residency Reclassification (<http://uncg.smartcatalogiq.com/en/2016-2017/Graduate-Bulletin/Appendices/Appendix-G/Residence-Status-for-Tuition-Purposes/Classification-Process-at-UNCG>), Research Misconduct (<http://integrity.uncg.edu/misconduct>), or the Family Education Rights and Privacy Act (<https://reg.uncg.edu/policies/ferpa>).

There are two types of appeals available through The Graduate School: 1) Appeal of grades, and 2) Appeal based on misapplication or misinterpretation of University policy, regulation, rule, or procedure or a violation of state or federal law.

Appeal of Grades

A current student may appeal a grade within 90 calendar days of the date the grade was posted. The process of appeal must adhere to the following steps. An informal complaint is initiated by the student with the instructor assigning the grade. If the instructor endorses the change, the department/program head must also review the request. If approved, a Grade Change is initiated. If the informal appeal is not endorsed at the department/program level, the student may initiate a formal appeal. (See Appeals Procedure).

A retroactive Withdrawal may be requested in cases in which the student will be unable to complete the term and the deadline to drop without academic penalty has passed or when a grade of Incomplete has been assigned and the student is unable to complete the remaining requirements. Such withdrawals will only be considered when truly extenuating circumstances exist. The student is required to submit supporting documentation.

The process must adhere to the following steps:

- The student should submit a written request for a retroactive Withdrawal to the course instructor, preferably within 90 days but no later than 6 months from the posting date of the final letter grade.
- The instructor will review the request and determine whether or not to endorse the student's request. If the instructor is no longer

employed by UNC Greensboro or chooses not to endorse the request, the student can submit the request to the Department Head/Chair.

- An endorsed request for retroactive Withdrawal should be submitted to The Graduate School for review by the Vice Provost or the Vice Provost's designee. If the request is not endorsed by both the Department and the Vice Provost, the student may initiate a formal appeal. (See Appeals Procedures)

Appeals of Misapplication or Misinterpretation of Policies or Procedures

An appeal of the application of a rule or regulation must be made by the student within 90 calendar days as determined by the date of the letter from The Graduate School informing the student of the decision in question.

Criteria for Appeals Grade Appeals

This section applies when a student wants to appeal a final course grade that has been recorded by the Registrar on the student's academic record. A currently enrolled student may appeal a grade within 90 calendar days of the date the grade was posted.

A grade appeal under this policy may be based on one or more of the following criteria:

- The grade(s) was/were calculated in a manner inconsistent with University policy, the syllabus, or changes to the syllabus.
- The grade(s) was/were erroneously calculated.
- Grading/performance standards were arbitrary.
- The instructor failed to assign or remove an Incomplete ("I") or to initiate a grade change as agreed upon with the student.
- The student (who may or may not be currently enrolled) is requesting a retroactive Withdrawal from a course due to truly extenuating circumstances as demonstrated in supporting documentation.

A grade appeal cannot be made in response to a grade penalty assessed as a result of a violation of the Academic Integrity Policy.

Appeals of Misapplication or Misinterpretation of Policies or Procedures

This section applies when a currently enrolled student wants to appeal a decision that he or she perceives to be a misapplication or misinterpretation of University policy, regulation, rule, or procedure, or a violation of state or federal law. The appeal must be filed within 90 calendar days from the date of the letter informing the student of the decision in question.

An appeal under this policy may be based on one or both of the following criteria:

- The policy, regulation, rule, or procedure was applied in a manner inconsistent with University policy, the syllabus, or changes to the syllabus.
- The policy, regulation, rule, or procedure was arbitrarily or unequally applied.

Informal Appeals Procedure

Before initiating a formal appeal, a student is encouraged to initiate discussions with the instructor or, in the case of an appeal of regulations, with a Graduate School official. A written appeal is not necessary in the informal stage. During the informal procedure, the student discusses the appeal with the instructor or Graduate School official. Such meetings often help students understand the practices of instructors and other Graduate officials and often lead to resolution of disputes with students.

If the instructor endorses the change, the department/program head must also review the request. If approved, a Grade Change is initiated. In the case of an informal appeal of regulations, the Graduate School official will forward recommendations to the Vice Provost and Dean of The Graduate School for a final decision.

Formal Appeals Procedure

If there is no resolution at the informal stage or the student wishes to pursue a formal appeal, the following processes must be followed:

Step 1- Written Appeal to Department/Program or Graduate School

The student must submit a written appeal to the department/program head or graduate school official. The formal letter must identify the basis of the appeal and must state in detail the applicable criteria for the appeal and why the student believes that the grade should be changed or how the policy, regulation, rule, or procedure was misapplied or misinterpreted.

The department/program head or graduate school official reviews the written appeal and uses normal administrative methods to learn of the facts and make a decision regarding it. Within a reasonable time, normally no longer than fifteen (15) calendar days, the department/program head or graduate school official sends a written response to the student, with a copy to the instructor or appropriate Graduate School officials. The Step 1 response shall include a recommendation of whether or not the instructor should re-evaluate the student's work in the course(s) or the application of the regulation against the student should be re-evaluated.

In the case of a grade appeal, the department/program head cannot change the student's grade without the instructor's agreement. The instructor will determine if a grade change is warranted, and if so will submit a grade change.

The granting of exceptions to Graduate School regulations must receive the approval of the Vice Provost and Dean of The Graduate School. Therefore, after approval of the exception by the department/program, the appeal must be sent to the Vice Provost for final decision.

If the student is not satisfied with the outcome at Step 1, the student may proceed to Step 2.

Step 2: Written Appeal to The Graduate Council

The final date to initiate the Step 2 appeal is fifteen (15) calendar days after the student receives a response under Step 1. Failure to observe this time frame will result in a waiver of the right to proceed to Step 2.

Under Step 2, the student sends a copy of the formal appeal request and the decision of the instructor/Graduate School official from Step 1 to the Vice Provost and Dean of The Graduate School. If the student attempts to raise a new basis for an appeal after the original appeal at Step 2, he/she must present a new appeal under Step 1.

If the Vice Provost and Dean of The Graduate School determines that the formal appeal request does not qualify under the appeals criteria contained in this policy, the appeal will be dismissed subject only to the authority of the Chancellor. If the appeal meets the criteria, the Vice Provost and Dean of The Graduate School will transmit the appeals materials to the Chair of the Graduate Council and will send a copy of it to the Dean of the Student's academic unit as notification of a pending appeal.

After conferring with the Chair of the Graduate Council, the Vice Provost and Dean of The Graduate School will notify the student, the instructor, and any witnesses who will be needed, of the time and place of the hearing. Each party shall be notified at least fifteen (15) calendar days in advance of the scheduled date of the hearing.

Conduct of all Appeals Hearings

The Chair of the Student Appeals Committee of the Graduate Council has the responsibility for ensuring that the proceedings are conducted in an orderly and fair manner. The Dean of The Graduate School may be present during the hearing but will not take part in the questioning of witnesses or deliberations. The Dean of the Graduate School or Student Appeals Committee Chair may, however, provide a brief impartial overview of the appeal at the beginning of the hearing. This statement shall be limited to a summary of the facts and issues present in the appeal and shall not include any opinions regarding the appeal.

All evidence including personal testimony will be heard by the Committee in the presence of all parties and the Dean of The Graduate School or their designee. Since the hearing is a normal part of the educational process and not a legal proceeding, neither the student nor the University shall have an attorney present or any other legal representation. However, the student may invite one support person to attend the hearing. Following the presentations, the committee members will have an opportunity to ask questions of the presenters and witnesses. The student, the instructor, and/or appropriate representatives will have reasonable time, as outlined below, to question witnesses and respond to evidence.

Specific Procedure for all Appeals Hearings

1. The Chair of the Graduate Council will give a brief overview of the appeal.
2. The student will have up to 15 minutes to state their case. There will be no interruptions, but Committee members can ask clarifying questions by asking permission from the Student Appeals Committee Chair.
3. The department or office representatives will have up to 15 minutes to state their case. There will be no interruptions, but Committee members can ask clarifying questions by asking permission from the Student Appeals Committee Chair.
4. The Student will have up to 10 minutes to respond and ask questions of departmental or office representatives.
5. The departmental or office representatives will have up to 10 minutes to respond.
6. The Student Appeals Committee will have the opportunity to ask final questions of both the student and the departmental or office representatives.
7. Everyone but the Student Appeals Committee members will leave the room
8. The Student Appeals Committee will have up to 60 minutes for their deliberations.
9. The Student Appeals Committee Chair will send a written report within ten (10) calendar days to the Vice Provost and Dean of the Graduate School. This report must describe the facts of the appeal as determined by the Student Appeals Committee after hearing the evidence and the Committee's recommendations for the action which should be taken.

Final Decision

The Vice Provost and Dean of The Graduate School has the responsibility under this policy to make the final University decision in Graduate

School appeals, subject only to the authority of the Chancellor. The Vice Provost's decision will be communicated to all parties involved within a reasonable time, normally no more than ten (10) calendar days, after receipt of the report from the Committee.

Conflict of Interest

Student-Faculty Relationship

It is essential to the promotion of high academic standards and maintenance of sound professional practice that the student-faculty relationship be free of real or apparent conflicts of interest based on familiar relationships. To this end, a member of the faculty shall not serve in any capacity that will involve evaluating the academic performance of a graduate student when there exists between them a relationship in the first or second degree of affinity or consanguinity or when they otherwise are so closely identified with one another as to suggest a possible conflict of interest.

Faculty as Student

Members of the voting and non-voting faculty (as identified in sections 2.1 and 2.2 of the Constitution of the Faculty: The University of North Carolina at Greensboro) may not pursue a graduate degree or certificate in their home department or degree-offering unit. For exceptions, the unit Dean may petition the Vice Provost and Dean of The Graduate School.

Student as Faculty

Graduate students should not be assigned to graduate assistantships that generate conflicts of interest. In the rare instance that a graduate student must be assigned to teach a graduate level course, the department is required to seek permission from the Vice Provost and Dean of the Graduate School, providing rationale for the assignment and a plan to ensure that the assignment will not generate conflicts of interest.

Continuous Enrollment

Students pursuing a graduate degree or certificate program are required to be enrolled from the time of matriculation through degree/certificate completion. Continuous enrollment is defined as completing a minimum of 1 hour of graduate credit (including 699/799) every Fall and Spring semester, or one semester during the academic year in combination with a Summer Session. This course work must be approved for the student's program of study and selected in consultation with the departmental Director of Graduate Study and or advisor/committee chair.

Students who have already enrolled in the maximum number of 699/799 hours but who have not yet completed the requirements for thesis/dissertation are required to maintain continuous enrollment. These students will enroll in and pay tuition and fees for no fewer than one nor more than three hours of thesis/dissertation extension credit each semester, after consultation with and approval by their faculty adviser. These credit hours will not count toward the degree.

All graduate students must be enrolled for at least 1 credit during the semester in which they are scheduled to receive their degrees/certificates. This may include extension courses (801/802/803).

Any student who breaks continuous enrollment must apply for re-admission to the university. If re-admitted, the student will be assigned to the catalog requirements for the program in effect for the re-admit term.

Course Loads

Graduate students enrolled in nine or more credit hours per term are considered full-time. After completing all required course work, a master's student may be considered full-time while enrolled in a 3 credit hour

thesis course (699). Master's students may maintain full-time status with 3 credits of 699 for two terms.

After entering candidacy status, a doctoral student may be considered full-time while enrolled in a 3 credit hour dissertation course (799). Doctoral candidates may maintain full-time status with 3 credits of 799 until completion of the number of dissertation credit hours specified by their programs in the Graduate School Bulletin or their departmental plan of study.

Continued enrollment in thesis or dissertation credit hours beyond those that are required will not provide full-time status unless the student also enrolls in thesis extension, dissertation extension, and/or research extension courses to fulfill the 9 credit hour requirement.

Permission to enroll in extension courses will require verification by the committee chair that the student is making satisfactory progress.

Meeting Visa Requirements for International Students on an F-1 or J-1 Visa

Doctoral students on an F-1 or J-1 visa, upon and after admission to candidacy and after completion of all dissertation hours required on the plan of study, may enroll in one hour of dissertation extension each term to meet visa requirements.

Master's students on an F-1 or J-1 visa, upon completion of all required course work and any thesis hours required on the plan of study, may enroll in one hour of thesis extension or research extension each term to meet visa requirements.

Each term, the academic department must supply a letter to the International Programs Center verifying that the student remains in good standing and is making satisfactory progress toward completion of the degree.

Grades

Graduate Grading Scale

Plus/minus grades are incorporated into the GPA for all graduate level courses according to the following scale:

Grade	Grade Points Awarded Per Hour of Credit
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
F/WF	0.0
NR	0.0

- Grades of NR, not reported, are assigned in instances in which the instructor does not report a grade and the semester has officially closed.
- Grades of S, satisfactory, or U, unsatisfactory, are reported on all workshops and institutes, and certain seminars, field projects, internships, practica, music groups, and others.
- The grade point average is determined by dividing the accumulated number of grade points earned by the accumulated number of credit hours undertaken. Hours attempted but not passed must be included in this calculation. Courses graded S/U and courses transferred

from another institution (except those courses taken through cross registration) may not be used in determining the UNC Greensboro grade point average.

- If a student receives a course grade other than Incomplete (I) and later submits additional work (whether that work is specified in the syllabus or not) after grades are posted, this work cannot be used as a basis for changing the assigned grade. Except for independent study or where specific provision is made in the course description, no student may repeat for credit a course for which he/she has earned credit. If a student repeats such a course, the grade will be recorded on the transcript, but no additional credit will be allowed toward graduation or toward the grade point average. A failing grade remains on the student's academic record permanently.

Withdrawal from a Program or a Course

Graduate students who must withdraw from the University may do so by dropping all courses online through UNCGenie until the last day to drop without academic penalty. Students whose registration for all courses is cancelled must seek reactivation or readmission through The Graduate School to return to school in subsequent terms.

After the deadline to withdraw without penalty, and no later than the last day of classes, a Withdrawal (W) may be granted only with the permission of the Vice Provost and Dean of The Graduate School and if status in the course at the time of withdrawal is satisfactory. If the student is in failing status at the time of withdrawal, a grade of Withdrawal Failing (WF) is given. A course abandoned with insufficient reason for withdrawal is assigned the grade of F. In certain cases, faculty may initiate the withdrawal procedure for cause.

Incomplete (Graduate)

The symbol I indicates inability, for reasons beyond the student's control, to complete course requirements by the end of the term in which the course was offered. The Incomplete may be removed by completion of the deferred requirements within six months from the last day of examinations in the term in which the course was taken. An Incomplete not removed within this time limit automatically becomes an F. A grade of I on any course, including work not required for the student's program, must be removed before graduation. A grade of I cannot be removed with a grade of W.

In the case of a thesis, master's production, or dissertation in progress, a grade of In Progress (IP) will be recorded each semester of registration for credit until completion of the thesis, master's production, or dissertation, when a final grade of Satisfactory (S) will be assigned. Extension of thesis, research extension, and extension of dissertation courses also may be graded with IP on a limited basis, but faculty advisers may be required to provide documentation of the student's satisfactory progress toward completion of the program.

S-U Courses

Grades for the following courses are reported as Satisfactory (S) or Unsatisfactory (U):

- All Practicum and Internship courses in Education and Library and Information Science
- All Workshops and Institutes
- Thesis and dissertation courses (699, 799)
- 800-level extension courses (801, 802, 803)
- Other courses as indicated in the departmental listings

Graduation and Commencement

Applying for Graduation

Students must formally apply for graduation to The Graduate School by the end of the first week of classes during the term in which they plan to graduate. Degrees are awarded at the end of each semester and the second summer session (i.e., in December, May, and August).

All graduate students must be enrolled for at least one credit during the term in which they are scheduled to receive their degree. This may include extension courses (801, 802, 803). See the Continuous Enrollment Policy.

Diplomas and transcripts of students owing money to the University will be withheld until the account is cleared. Students may not be admitted to and graduate from the same degree or certificate program in the same academic term.

Students who do not apply for graduation before the published deadline for any semester may apply for graduation during the next semester. Students who have applied for graduation but fail to meet the requirements must reapply for graduation by the published deadline for the semester in which they will fulfill the requirements.

Degrees are conferred only after all requirements are completed and the Board of Trustees has taken official action.

GPA Requirement for Graduation

For the completion of graduate programs, the overall GPA for graduate courses taken at UNC Greensboro must be at least 3.0. Additionally, the overall GPA for all courses included on the student's final Plan of Study must be at least 3.0. A GPA of 3.0 or better may be required in the major field at the option of the major department.

In the case of a student who has attempted the minimum number of credit hours for the degree or certificate without achieving the required GPA, the Vice Provost and Dean of The Graduate School, upon the recommendation of the department, may permit the student to continue taking courses in an effort to earn the required minimum GPA. If permission is granted, a maximum of 25% of the course work hours required for the program may be added to the plan of study, not to exceed 12 credit hours. The additional credit hours may not be independent study.

Students completing all degree requirements by the end of the spring semester are encouraged to participate in the May Doctoral Hooding or Commencement ceremony. Students completing all degree requirements by the end of the fall semester are encouraged to participate in the December Doctoral Hooding or Commencement ceremony. Students completing all degree requirements by the end of the Summer Session may participate in either the May or December Doctoral Hooding or Commencement ceremony by applying to graduate, paying the graduation fee, and notifying The Graduate School. Degree candidates will not earn degrees nor be graduated from the University until they have completed all degree requirements. Participation in a commencement ceremony does not presume graduation from the University.

Only those doctoral candidates whose degree requirements are completed by the established deadlines (see the Academic Calendar) are authorized to participate in the University's formal December or May Doctoral Hooding ceremony.

Graduation Fee

The graduation fee is payable in the Cashier's and Student Accounts Office. The Bryan School requires an additional graduation fee that goes

directly to the Bryan School. Students who do not graduate in the term for which they originally applied must file a new application. Check with The Graduate School regarding your status.

Degree Name Changes

Graduates who have been awarded a degree by UNC Greensboro will not be able to convert that degree to another if later the name of the degree is changed.

Independent Study (Graduate)

Independent study is reserved for certificate or degree seeking students. VISIONS/visiting students are not eligible to register for independent study. To be eligible for independent study, a student must have completed several regular courses of graduate work and attained at least a 3.0 average. Students may not register for independent study as a substitute for existing courses. Registration for independent study must have the approval of the instructor, the department head or dean, and the Vice Provost and Dean of The Graduate School.

Post-Baccalaureate and Post-Master's Certificate students may count no more than 3 credit hours of independent study toward certificate requirements.

Master's students may register for no more than 3 credit hours of independent study per semester and may count no more than 6 credit hours of independent study toward satisfying the minimum requirements for the master's degree. At the discretion of the department, M.F.A. students may earn up to a maximum of 20% of their required credits as independent study credits.

Doctoral students may count no more than 15 credits of independent study toward degree requirements.

Leave of Absence

The University of North Carolina at Greensboro supports a leave of absence policy to assist graduate students who are temporarily unable to continue their programs. The leave of absence may extend for up to one academic year.

Current students who must break continuous enrollment may apply for a leave of absence. Students choosing this option must file a Graduate School Request for a Leave of Absence that states the reason for the requested absence and that they will neither use University resources, nor require faculty communication or interaction during the leave period. If the leave of absence extends beyond one academic year, the student's matriculation is closed and the student must re-apply for admission to The Graduate School.

International students on F-1 visa/status must remain continuously enrolled until the thesis, dissertation, project or directed study is completed. Those international students who wish to apply for a leave of absence are advised to consult with the International Program Center.

It is the student's responsibility to ensure that the proposed leave is compatible with the regulations of any granting agency from which funding would normally be received during the leave period and that such agencies are informed of the proposed leave. Students on student loan programs should inquire with the Financial Aid Office and/or lender regarding any consequences that such a leave may have on their ability to receive future aid or on their repayment status.

Graduate students on assistantship, who are granted a leave of absence, will have their salary and stipend suspended during the period of their leave. If feasible, the remainder of their appointment will be held for them

upon their return to the next term. In the event that a graduate assistant and chairperson/director disagree on the leave or its arrangements, students may appeal to The Graduate School. See Appeals Policy and Procedures.

Preparing the Application for Leave of Absence

In consultation with the supervising faculty member, the Application for Leave of Absence form is to be completed by the student, and signed by both the student and the advisor or supervising faculty member. The application is to be submitted to the chairperson/director for review and signature before being forwarded to the Vice Provost and Dean of The Graduate School. Whenever possible, application should be made in advance of the anticipated leave or as soon as possible after commencement of the leave.

Student Responsibilities

Each graduate student's program is planned with an adviser who is a graduate faculty member appointed by the department head or dean. The adviser interprets departmental requirements and arranges an orderly sequence of activities for the student's progress toward the anticipated degree. The student is responsible for continuing in satisfactory academic standing and for meeting all the degree requirements and deadlines for graduation or licensure. Therefore, students are advised to consult with their advisers frequently and to request their advisers to develop a tentative written plan of study. This plan is to be placed on file in The Graduate School.

The Academic Integrity Policy states the precepts, violations, and obligations of academic integrity. In addition, graduate students are expected to comply with the social regulations of the University as set forth in the UNC Greensboro Policies for Students available online at [deanofstudents.UNC Greensboro.edu \(https://sa.uncg.edu/dean\)](https://sa.uncg.edu/dean).

Transfer Credit (Graduate)

In some instances, work done in other institutions may be counted toward the degree or certificate. Please see Summary of Certificate Requirements, Summary of Master's Requirements, and Summary of Doctoral Requirements for transfer credit information specific to the type of graduate program.

If transfer credit is to be considered, the following stipulations must be present:

- All credit offered in transfer must have been taken at an accredited graduate school and not have been used to complete the requirements for a degree.
- All credit to be transferred must fall within the time limit for the degree/certificate.
- The student must have earned a grade of B (3.0) or better on all transfer credit. In a four-letter grading system, only credit earned with either of the top two grades is transferable. The transfer of credit where a grade of P or its equivalent is received in a two- or three-letter grading system (such as P-F, S-U, or H-P-F) reduces hour for hour the number of C grades earned that may count toward the minimum requirements for the degree/certificate.
- The credit must be recorded on an official transcript placed on file with The Graduate School.
- It must be approved both by the student's major department and by the Vice Provost and Dean of The Graduate School.
- It must be necessary to meet specific degree/certificate requirements.

- Hours only, not grades, may be transferred from other institutions. Quarter-hours do not transfer as semester hours. A fraction of an hour of credit will not be transferred. See sample below:
 - 2 quarter hours transfer as 1 semester hour.
 - 3-4 quarter hours transfer as 2 semester hours.
 - 5 quarter hours transfer as 3 semester hours.
 - 6-7 quarter hours transfer as 4 semester hours.
 - 8 quarter hours transfer as 5 semester hours.
 - 9-10 quarter hours transfer as 6 semester hours.

Summary of Regulations on Certificates and Degrees

Certificates

A student may apply course work from a certificate program toward a graduate degree at UNC Greensboro with the approval of the department offering the degree and The Graduate School.

Summary of Requirements for Certificates

- Satisfaction of all requirements for admission.
- A plan of study must be submitted to The Graduate School when a student in a certificate program applies for graduation.
- Satisfactory completion of all course requirements.
- Certificate students must maintain a minimum GPA of 3.0 in all certificate course work and achieve a minimum overall GPA of 3.0 to graduate.
- Only three credit hours with a grade of C+ (2.3) or C (2.0) will count towards a certificate.
- With the exception of internship, practicum, independent projects or clinical work, all courses for a certificate will be letter graded.

Credit Hours Required for Certificates

In general, certificate programs should be between 12-18 credits hours at the 500-level or above with at least half of this course work at the 600-level or above.

Plan of Study for Certificates

The course work comprising the certificate program must be an integrated and organized sequence of study.

Time Limits for Certificates

Certificates awarded from UNC Greensboro indicate that our students have current, usable knowledge in their field; therefore, the certificate curriculum, including the capstone, must be completed within five academic years, from the date the first courses carrying graduate credit applicable to the student's program are begun. However, if study for the program extends beyond three years, the student may need to meet new requirements.

Independent Study for Certificates

No more than 3 credit hours of independent study may be applied to the minimum number of credit hours required for completion of the graduate certificate program. (See additional requirements above in order to pursue Independent Study.)

Transfer Credit for Certificates

A maximum of three credit hours of transfer credit will be accepted toward a certificate.

Master's Degrees and Specialists in Education Degrees

Programs at UNC Greensboro leading to a master's degree hold the objective of a reasonable, comprehensive mastery of the subject matter in a chosen field, accomplished through study, training, and experience in research or other scholarly activities.

Summary of Requirements for Master's Degrees

- Satisfaction of all requirements for admission.
- Submission of plan of study to The Graduate School prior to 50% of program completion.
- Satisfactory completion of all course requirements.
- Achievement of the required B (3.0) GPA overall, for courses listed on the plan of study, and, if required by the department, for the major.
- No more than six credit hours of credit evaluated as C+ (2.3) and/or C (2.0) applied toward the minimum credits required for the degree.
- An applied knowledge of one modern foreign language, or approved option, in programs having this requirement.
- Capstone Experience: The nature of this experience (or combination of experiences) will be left to the discretion of individual academic units. They may include some combination of:
 - Comprehensive written or oral examination,
 - Thesis or research paper,
 - Portfolio,
 - Creative work, and/or
 - Internship experience.
- Filing of an application for graduation and the final plan of study with The Graduate School by the end of the first week of classes of the term in which the degree will be granted and payment of the graduation fee.
- Payment of all accounts owed the University. Diplomas and transcripts of students owing money to the University will be held until the account is cleared.

All the requirements above must be met by the deadlines stated in the Academic Calendar. Some special programs may have additional requirements not listed above but explained in materials supplied by the major department or school.

Time Limit Master's Degrees

Advanced degrees awarded from UNC Greensboro indicate that our students have current, usable knowledge in their field; therefore, the master's curriculum, including the thesis, must be completed within five academic years, from the date the first courses carrying graduate degree credit applicable to the student's program are begun. However, if study for the program extends beyond three years, the student may need to meet new requirements.

Credit Hours Required Master's Degrees

Minimum credit-hour requirements, which vary with the degree, are stated under the respective departmental program description. Credit that is applied to one master's degree cannot be applied to another master's degree. No course below the 500 level will be counted towards graduate degree requirements. In all programs, at least one half of the work credited toward the degree must be in 600-level courses or above.

Plan of Study Master's Degrees

A plan of study for the master's degree (or Specialist in Education degree) must be outlined and signed by the student and director of graduate study/designee at the earliest practical time following the student's

admission to The Graduate School, but no later than 50% of the program's completion. The plan must indicate the following:

- All courses the student is expected to complete as a minimum requirement, including courses required for the major, supporting courses, number of elective hours, and courses recommended for transfer.
- Courses required by the department but not counted toward the degree, including prerequisite courses.
- No more than 6 credit hours of independent study. At the discretion of the department, M.F.A. candidates may earn up to a maximum of 20% of their required credit hours as independent study credits. (See additional requirements above in order to pursue Independent Study.)
- No more than six credit hours of credit evaluated as C+ (2.3) and/or C (2.0) applied toward the minimum credits required for the degree.
- Capstone Experience.
- Credit earned for STA 667 Statistical Consulting is not applicable to a graduate plan of study.

Copies of the approved plan of study must be filed in the student's permanent folder in The Graduate School, in the department's files, and with the student. If changes have been made to the plan of study, a revised plan of study must be submitted to The Graduate School by the end of the third week of classes of the semester in which the student applies for graduation.

Language Requirements Master's Degrees

Some programs require the student to demonstrate an applied knowledge of a modern foreign language. Exceptions are made at the discretion of the major department.

Foreign students whose native language is not English, who are seeking a master's degree in which a reading knowledge of a modern foreign language is required, may not offer their native language as satisfaction of this requirement. They may offer a reading knowledge of any other approved modern language, including English. When English is offered, the examination will be of the traditional type and will be administered by the Department of English or by the student's major department in consultation with the Department of English.

Upon the recommendation of the department, The Graduate School may approve requests for graduate students to pass a maximum of 12 credit hours of undergraduate level language courses by special examination. The results of the examination (S-U) will be posted to the student's graduate transcript. Permission will be limited to language skills courses.

Capstone Experience Master's Degrees

The capstone experience may consist of a comprehensive written or oral examination, thesis or research paper, portfolio, creative work, internship, or some combination of these experiences. The requirement can be satisfied after the student has completed at least two-thirds of the minimum program credits. If an unsatisfactory grade is given on the first attempt to satisfy the requirement, no more than one additional attempt is permitted. If the student fails to meet the department's minimum criteria for the capstone experience on the second attempt, The Graduate School will be notified and will send the student a letter of dismissal from the program.

The Thesis Master's Degrees

Some master's programs require a thesis; some offer a thesis or non-thesis option. A student in a thesis program prepares a thesis under the guidance of a thesis committee consisting of a chair and two other members appointed by the head of the major department or school. The

committee members must hold membership on the Graduate Faculty. Although all members of the committee may come from the major department, appointment of one member from another department is encouraged.

Institutional Review Board (IRB) approval is required for research involving human subjects prior to acceptance of a thesis based on such research.

The thesis must conform to rules established by the Graduate Council in the Guide for Preparation of Theses and Dissertations. The guide can be printed from The Graduate School's website or paper copies can be obtained from the office at no cost.

An oral examination on the thesis may be required at the discretion of the major department or school, either for the individual or all students in a thesis program.

The process for submitting the thesis to The Graduate School has two components: submitting the approval copy and submitting the final copy. Specific instructions and deadline dates affiliated with each step are available in the Guide and the Academic Calendar.

Students file the thesis electronically via the online submission system available on The Graduate School's website. The approved electronic submission must conform to the format requirements stated in the Guide and must be uploaded by the deadline dates as specified in the Academic Calendar. Publication of the thesis by UMI Dissertation Publishing/ProQuest Information and Learning is required by The Graduate School. There is no charge for traditional publishing. However, optional services requested by the candidate during submission may have associated charges.

Maximum credit allowed for the thesis is 6 credit hours. Additional 801 credits may be required to maintain continuous enrollment but will not count toward the degree.

Transfer Credit Master's Degrees

At the master's and specialist's levels, credit may be given for graduate work taken at other institutions (including credit earned through the Greater Greensboro Consortium), but certain conditions must be met:

- Transfer credit may not exceed one-third of the minimum number of credit hours required by the student's program.
- All credit offered in transfer must have been taken at an accredited graduate school and not have been used to complete the requirements for a degree.
- Such work must have been taken within the five-year time limit.
- The student must have earned a grade of B (3.0) or better on all transfer credit. In a four-letter grading system, only credit earned with either of the top two grades is transferable. The transfer of credit where a grade of P or its equivalent is received in a two- or three-letter grading system (such as P-F, S-U, or H-P-F) reduces credit for credit the number of C grades earned that may count toward the minimum requirement for the degree.
- The credit must be recorded on an official transcript placed on file with The Graduate School.
- It must be approved both by the student's major department and by the Vice Provost and Dean of The Graduate School.
- It must be necessary to meet specific degree requirements.

Credit hours only, not grades, may be transferred from other institutions. Quarter-hours do not transfer as semester hours. A fraction of an hour of credit will not be transferred. See sample below:

- 2 quarter hours transfer as 1 semester hour.
- 3-4 quarter hours transfer as 2 semester hours.
- 5 quarter hours transfer as 3 semester hours.
- 6-7 quarter hours transfer as 4 semester hours.
- 8 quarter hours transfer as 5 semester hours.
- 9-10 quarter hours transfer as 6 semester hours.

Students must secure approval from their major advisor and the Vice Provost and Dean of The Graduate School in advance of registration at other universities. In general, however, not less than two-thirds of the total program for the master's and specialists degrees must be completed at The University of North Carolina at Greensboro.

All credit to be transferred must come within the time limit described above and must be supported by placing an official copy of the transcript on file in The Graduate School. No credit will be transferred unless it is required to meet specific degree requirements.

No more than 3 credit hours of institute and workshop credit may be counted toward satisfying the minimum requirements for the master's and specialists degrees.

Doctoral Degrees

Doctor of Philosophy

The degree of Doctor of Philosophy is conferred upon those students who have completed, with high distinction, a prescribed period of intensive study and investigation in a single field of learning. Students must master the methods of study in the chosen field and demonstrate familiarity with what has been done and with the potentialities for further progress in the field. They must also demonstrate capacity for original and independent study or creative work and must present evidence of such investigation in a scholarly dissertation.

A Ph.D. may be earned in communication sciences and disorders; community health education; computational mathematics; consumer, apparel, and retail studies; counseling and counselor education; economics; educational research, measurement and evaluation; educational studies; English; environmental health science; geography; history; human development and family studies; information systems; kinesiology; medicinal biochemistry; music education; nanoscience; nursing; nutrition; psychology; and special education.

Doctor of Education

The major premise of the Doctor of Education degree program is that students receive depth in subject matter as well as professional development. Therefore, the program is purposely flexible, allowing the students to develop under careful advisement a course of study best suited to their ability, personality, experience, and major professional goal. It is expected that each student will make a significant research contribution to the discipline culminating in a scholarly dissertation.

An Ed.D. may be earned in kinesiology and educational leadership.

Doctor of Musical Arts

The Doctor of Musical Arts degree program is a performance degree offered only in the School of Music. The requirements of The Graduate School stated below apply to the Doctor of Musical Arts; however, due to the highly specialized nature of the degree, the student should

consult the Director of Graduate Study in the School of Music for specific requirements and procedures.

Doctor of Nursing Practice

The Doctor of Nursing Practice degree program is an applied degree offered only in the School of Nursing. The requirements of The Graduate School stated below apply to the Doctor of Nursing Practice; however, due to the highly specialized nature of the degree, the student should consult the information in the Doctor of Nursing Practice section regarding the specific requirements and procedures.

Summary of Requirements for Research Doctoral Degrees (Ph.D., Ed.D., D.M.A.)

- Satisfaction of all requirements for admission to a doctoral program, including the removal of any deficiencies identified at the time of admission.
- An approved advisory/dissertation committee, to be filed in The Graduate School by the end of 18 credit hours.
- An approved plan of study, to be filed in The Graduate School by the end of 18 credit hours.
- Satisfactory completion of any language requirement or approved option.
- Satisfaction of the residence requirement.
- Satisfactory completion of any diagnostic qualifying examination that may be required by the major department or school.
- Satisfactory completion of all course requirements in the student's approved program of study.
- Satisfactory completion of the preliminary written and oral examination and any additional work that may be required as a result of this examination.
- An approved dissertation topic, to be filed in The Graduate School.
- Admission to candidacy upon the satisfaction of the requirements above (formal application to be made in The Graduate School).
- Submission of a dissertation acceptable to the advisory/dissertation committee.
- Satisfactory oral defense of the dissertation.
- Acceptance of the dissertation by The Graduate School.
- Filing of an application for graduation with The Graduate School by the end of the first week of classes of the term in which the degree will be granted and payment of the graduation fee.
- Payment of all accounts owed in the University. Diplomas and transcripts of students owing money to the University will be held until the account is cleared.

The requirements above must be met by the deadlines stated in the Academic Calendar. Detailed explanations of these requirements follow. Some programs may have additional requirements not listed above but explained in materials supplied by the major department or school.

Admission Requirements

Admission to the doctoral program is distinct and separate from any previous admission to The Graduate School. For this reason, a student who has been admitted to a master's degree program must reapply for doctoral study by notifying The Graduate School of the desire to be considered for admission to the advanced program. Admission to study for the doctorate normally follows completion of the master's degree or its equivalent course work, but some departments will consider admission directly from an undergraduate program in the case of exceptionally well-qualified applicants. Applicants who hold the master's

degree or its equivalent, however, are not automatically eligible for admission to doctoral study.

In addition to satisfactory entrance examination scores and recommendations (explained in the application materials), final approvals of the major department or school and of the Vice Provost and Dean of The Graduate School are required.

Advisory/Dissertation Committee

This committee shall be comprised of at least three members of the Graduate Faculty, and will be appointed by the Vice Provost and Dean of The Graduate School upon the recommendation of the major department head or dean and must be mutually acceptable to the student and all committee members. The committee chair and at least one other member must be from the major department. No more than one committee member may be an adjunct member of the Graduate Faculty. Departments may elect to have committees with more than the minimum of three members.

If at any time the advisory/dissertation committee decreases in number to fewer than three members, additional members of the Graduate Faculty must be approved by the Vice Provost and Dean of The Graduate School to bring the number to at least three. See Policy on Appointment to the Graduate Faculty for further details.

The student must request the appointment of this committee no later than upon completion of the first 18 credit hours of graduate courses. Any subsequent changes in the advisory/dissertation committee must be submitted to The Graduate School for approval.

Minor

Certain doctoral programs may permit, encourage, or require a minor, which is a formalized curricular sequence of advanced work in one or more areas outside the major field but cognate to it. The student should ask the chair of his/her advisory/dissertation committee if a minor is appropriate or required. The minor must consist of at least 12 credit hours of study. The student's advisory/dissertation committee approves the minor, and it must appear on the doctoral plan of study.

For information concerning the doctoral minor in educational research and methodology, human development and family studies, information systems, and statistics, see the relevant academic program.

Research Competence

Competence in research is required of all doctoral students. Whereas the specific requirements will vary from field to field and according to the student's professional objective, the plan of study must provide for mastery of techniques of research that not only are appropriate to the particular field of study but also will help prepare prospective holders of the doctorate to continue their intellectual and professional growth.

Plan of Study

A plan of study for the doctoral degree must be outlined by the student and the advisory/dissertation committee at the earliest possible time following admission of the student to The Graduate School, preferably at the end of the first semester of residence or not later than the completion of 18 credit hours. The plan must indicate the following:

- Major and minor fields of study.
- Specific courses the student is expected to complete as a minimum requirement.
- All specific core, seminar, language, and research requirements of the major department.

- No more than one quarter of the course work credited to the degree, exclusive of the dissertation, at the 500 level.
- No more than 15 credit hours of independent study, exclusive of the dissertation. (See additional requirements above in order to pursue Independent Study.)
- No credit evaluated as B- (2.7) or less. All courses applied toward the degree must be B (3.0) or better, and additional hours must be taken for any hours earned with a grade of B- (2.7) or less.
- Credit earned for STA 667 Statistical Counseling is not applicable to a graduate plan of study.

A record of all graduate work the student has taken must accompany the proposed program. It is at this time that the advisory/dissertation committee evaluates the student's qualifications to be recommended for further study in The Graduate School, further preparation for such study, or withdrawal. The committee may propose prerequisite course work to be taken if it believes the student shows weaknesses that might be corrected by additional formal study.

The plan of study must be submitted to the Vice Provost and Dean of The Graduate School for approval. The Vice Provost reserves the right to refer any or all plans of study to the Graduate Council for review and recommendation.

Copies of the approved plan of study must be filed in the student's permanent folder in The Graduate School, in the department's files, with the chair and each member of the advisory/dissertation committee, and with the student. Any subsequent changes in the plan of study or in the subject of the dissertation must be submitted to The Graduate School for approval.

Language Requirement

Each candidate for the doctorate must show either a satisfactory reading knowledge of at least one modern foreign language relevant to the student's major area of study, or, where approved, a satisfactory mastery of research skills at an appropriate level of competence.

The language or languages used to satisfy a language requirement must be approved by the student's major advisor. French, German, and Spanish are most frequently used.

The language requirements must be passed prior to the preliminary examinations, and prior to admission to candidacy.

A student whose native tongue is a language other than English may use English, but not the native language, to satisfy a language requirement. When English is offered, the examination will be administered by the Department of English or by the student's major department in consultation with the Department of English. A statement certifying the candidate's proficiency in English must be filed in The Graduate School before the preliminary examinations may be taken.

Residence Requirement

Doctoral students are expected to satisfy a residence requirement, which provides them the opportunity for an extended period of intensive study and intellectual and professional development among a community of scholars.

The basic requirement is two consecutive semesters (minimum of 6 hours per semester) of graduate course work (excluding independent study and dissertation hours) on this campus after admission to a doctoral program. Spring and fall may be considered consecutive semesters if summer courses are not regularly available in the program. The two sessions of summer school count as one semester.

Undergraduate courses taken in support of a graduate program cannot count towards residence.

Residence Requirement - Online Doctoral Programs

The minimal residency requirement for online professional/practice doctoral programs will be met when students make a minimum of three required visits to campus as part of their graduate program:

- To participate in an orientation program prior to course work to foster a sense of community with their peers and faculty, and to gain knowledge of UNC Greensboro resources available to them;
- Upon completion of course work, to participate in written and oral comprehensive examinations, in discussion regarding the dissertation proposal with faculty, and in observation of a dissertation defense; and
- To participate in their dissertation defense at the culmination of the program.

Time Limits for Doctoral Degrees

Advanced degrees awarded from UNC Greensboro indicate that our students have current, usable knowledge in their field; therefore, all requirements for the doctorate, including the dissertation, must be completed within seven academic years. Post-master's (or equivalent) credit that is to be applied to the student's doctoral program must be no more than seven years old when the degree requirements are completed. This means that all course work to be credited to the student's doctoral program must fall within a seven-year period of time beginning with the date the first courses carrying graduate degree credit applicable to the student's program are begun. If credit to be transferred was earned before enrollment at this University, the seven-year period of time commences with the beginning date of the term in which the transfer credit was earned.

The seven-year time limit does not apply to students who are admitted directly to a doctoral program upon completion of the baccalaureate. In this case, the time limit is ten years.

Transfer Credit for Doctoral Degrees

In some instances, work done in other institutions may be counted toward the degree, particularly work culminating in a master's degree from a regionally accredited institution and representing an appropriate area of study. If the student proposes the transfer of credit from another graduate school, the work for which credit was received must be covered by the preliminary examination, and the transfer must be recommended by the student's advisory/dissertation committee before The Graduate School will credit the work to the student's doctoral program.

A maximum of one-third of non-dissertation course credit hours beyond the master's degree may be transferred to a doctoral program.

The following conditions apply to transfer credit for doctoral program:

- All credit offered in transfer must have been taken at an accredited graduate school.
- Such work must have been taken within the time limit described above.
- The student must have earned a grade of B (3.0) or better on all transfer credit. In a four-letter grading system, only credit earned with either of the top two grades is transferable.
- The credit must be recorded on an official transcript placed on file with The Graduate School.

- The credit must be approved by both the student's doctoral advisory/dissertation committee and the Vice Provost and Dean of The Graduate School.
- The credit must be necessary to meet specific degree requirements.

Credit hours only, not grades, may be transferred from other institutions. Quarter-hours do not transfer as credits. A fraction of an hour of credit will not be transferred. See sample below:

- 2 quarter hours transfer as 1 credit.
- 3-4 quarter hours transfer as 2 credits.
- 5 quarter hours transfer as 3 credits.
- 6-7 quarter hours transfer as 4 credits.
- 8 quarter hours transfer as 5 credits.
- 9-10 quarter hours transfer as 6 credits.

Students must secure approval from their doctoral advisory/dissertation committee and the Vice Provost and Dean of The Graduate School in advance of registration at other universities. In general, however, not less than two-thirds of the total non-dissertation credit hours of doctoral degrees must be completed in residence courses at UNC Greensboro.

In order to ensure that the courses fall within the time limit permitted, the transfer credit will be accepted finally and posted to the transcript only at the time of completion of the degree requirements.

Preliminary Examination

When a student has removed any provisions or special conditions that may have been attached to admission, completed a minimum of 75% of the course work contained in the program of study, passed any foreign language requirements, and completed the research skill requirements, that student is then eligible to take the preliminary examination. Individual departments may have additional requirements. Each doctoral student is required to pass the doctoral preliminary examination, which consists of both a written and oral examination. The written part is scheduled and prepared by the dissertation advisor with the assistance of the advisory/dissertation committee. The questions may cover any aspect of the course work taken by the student during the period of this graduate study or any subject logically related and basic to an understanding of the subject matter of the major and minor areas of study. Any transferred course work is subject to examination at the time of the preliminary examination. The oral examination should be scheduled within one month following the written examination.

Unanimous approval is required for passing the preliminary examination. Approval may be conditional, however, upon the satisfactory completion of such additional work as may be required by the committee. However, if the student does not pass the preliminary examination, no more than one re-examination will be allowed. The re-examination will not be permitted during the semester in which the preliminary examination was failed. If the student fails to pass the re-examination, The Graduate School will send the student a letter of dismissal from the program.

The complete advisory/dissertation committee of at least three must participate in the holding of the preliminary oral examination.

Admission to Candidacy

When a student has completed all major and minor required courses, has passed the preliminary written and oral examinations, satisfied any language or skill requirements, and submitted a dissertation research outline that has been approved by his dissertation advisor and advisory/

dissertation committee, that student may then make formal application in The Graduate School for admission to candidacy for the doctoral degree.

The Dissertation

The dissertation is the product of a thorough investigation of a basic and significant problem or question within the major area of study.

An appropriate plan of research must be developed and executed by the student under the general guidance of the chair and the advisory/dissertation committee. Institutional Review Board (IRB) approval is required for research involving human subjects prior to acceptance of a dissertation based on such research.

The dissertation requirement is designed to develop the capacities of originality and generalization in the candidate. It should foster and attest to the development in the candidate of ability in scientific inquiry, understanding and mastery of the techniques of scholarship, and the art of exposition within the field of specialization. The advisory/dissertation committee, with such other professors as may be appointed by the Vice Provost and Dean of The Graduate School, shall examine the dissertation. No dissertation shall be accepted unless it secures unanimous approval of the advisory/dissertation committee.

It is expected that the dissertation will serve to demonstrate the student's ability to contribute to the development of research or scholarship within the discipline. As such, The Graduate School must be certain that the dissertation is a demonstration of the student's ability to identify a problem, develop a methodology, carry out the necessary steps to gather data, analyze the findings, and form a defensible conclusion.

In the case of non-traditional dissertations that may contain chapters or sections with multiple authors, it is necessary to clarify the contribution of the dissertating student and others who may contribute to the dissertation. In situations where there may be multiple authors, it is the responsibility of the advisory/dissertation committee chair to identify the percentage of proposed work to be developed by each of the contributors and submit it to The Graduate School for approval. This must be done at the proposal stage and again at final defense if the original plan has been revised.

It is expected that the dissertating student will be identified as the primary author of each of the chapters. The introduction to the dissertation must be solely authored by the dissertating student and must contain the theoretical framework that unifies the chapters that follow. The dissertating student also must be the sole author of the concluding chapter in which the significance of the various articles is explained. It is also expected that within the dissertation, appropriate attribution will be given to the other authors who contribute to the chapters.

Students file the dissertation electronically via the online submission system available on The Graduate School's website. In final form, the dissertation must comply with the rules prescribed by the Graduate Council in the Guide for the Preparation of Theses and Dissertations. The approved electronic submission must be uploaded by the deadline dates as specified in the Academic Calendar.

Publication of the dissertation by UMI Dissertation Publishing/ProQuest Information and Learning is required by The Graduate School for all programs except the DNP. There is no charge for traditional publishing. However, optional services requested by the candidate during submission may have associated charges.

The process for submitting the dissertation to The Graduate School has two components: submitting the signed approval copy and submitting

the final copy. The specific instructions and deadline dates affiliated with each step are available in the Guide and the Academic Calendar.

Dissertation hours vary according to the program but are never less than 12 credit hours, normally taken in units of three credit hours. For a complete explanation of requirements affecting dissertation registration, see the Policy on Continuous Enrollment.

Oral Defense

The doctoral candidate who has successfully completed all other requirements for the degree must defend the dissertation orally. The defense will be scheduled by the chair of the advisory/dissertation committee in consultation with the other committee members. The Graduate School will publish the dissertation title, date, time and location of the oral defense at least two weeks prior to the defense. The defense is open to all members of the University community who may wish to attend, as required by state laws on public meetings. The oral defense is administered by the advisory/dissertation committee according to program guidelines. The defense is largely related to the dissertation field of study including courses taken here and elsewhere. Approval of the defense must be attested to by all members of the advisory/dissertation committee. The results of the defense are to be reported in writing to the Vice Provost and Dean of The Graduate School.

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