

# LIBRARY AND INFORMATION SCIENCE (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 199 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.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

## LIS 201 Information Literacy for a Digital World 3

Prepares Information Science majors 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.

## LIS 300 Introduction to Information Science 3

Introduces the major concepts, principles, theories, issues and trends in information science.

**Prerequisites:** LIS 199. Information Science majors.

## LIS 600 Foundations of Library and Information Science 3

Survey of issues in library and information science; professional operations and potential roles in society.

**Notes:** Required for all M.L.I.S. students in first year. core course.

## 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 Development and Resource Management 3

Introduces the artifacts created in scholarly and commercial publishing and how physical and electronic materials are identified, selected, acquired, and managed for the user community of an information center. Creation of policies, marketing plans, and outreach activities, as well as use assessment and collection rightsizing are covered.

## 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

Overview of materials for young adults in relation to their characteristics, information needs, interests, and abilities. Examination of history of young adult literature and current trends with use and promotion of materials. Emphasizes reading, discussing, selecting, and evaluating materials within context of adolescent development and current issues and trends.

## 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 and Inquiry 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 Online Searching and Research Skills 3

The principles of bibliographic database structure, evaluation, and utilization for effective search strategy formulation, critical evaluation of retrieved information, and presentation of results are explored. Development of instructional strategies and materials will be practiced. Comparison and budgeting for database acquisition is a major topic.

**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 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 Technology Trends 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 Introduction to Technology Resources 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 Information Professionals 3

Introduction to website production and usability issues that are particularly relevant to librarians and other information professionals. Emphasis on seeking to understand and enhance users' experiences.

## LIS 637 Instructional Communication and Technologies 3

Covers the theoretical foundations of communication and provide applied experience with contemporary instructional technologies across diverse learning environments. This will include the use of various software to assist in both the synchronous and asynchronous teaching and learning process.

## LIS 638 Technology, Equity, and Society 3

Examination of ways in which technology is the source and consequence of institutionalized, hegemonic, societal constructs. Students will explore theories of social justice, equity, and inclusion in an ever-evolving technological landscape.

## LIS 639 History of Information Technologies 3

This course covers the history of technologies used to record and disseminate information, focusing on books along with a variety of audiovisual technologies and digital formats. The course emphasizes the role of information professionals and institutions in preserving this history.

**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**

Introduction to public libraries in the United States and their role within the communities they serve. Examines the history, principles, current trends, and future directions of public libraries. Specific topics include administration, planning, structure, governance, and public library operations. This course will also explore public services.

**LIS 656 The Academic Library 3**

The library is the heart of an academic campus to support the needs of students and faculty regarding teaching, learning and research. This course addresses the complexity and broad use of resources and services that impact the academic journey. All levels of postsecondary education are discussed.

**Prerequisites:** LIS 600 and 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 Archives and Records Management 3**

Introduces students to the theory and practice of archives and records management, including the appraisal, acquisition, and organization of archival materials. Emphasizes the societal role and function of archival institutions in preserving authentic records for their evidentiary and informational value.

**LIS 661 Introduction to Research Methods 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 668 Community Informatics 3**

A survey of key concepts in the field of Community Informatics, which focuses on how communities access, learn, and apply information and communications technologies (ICTs). Practical studies in this area consider how social, cultural, political, and economic factors influence the adoption and use of ICTs among members of specific communities. This course introduces students to key concerns in community informatics, including, among other things, digital literacy, digital divide issues (e.g. access, skills, and cultural divides), the role of ICTs in cultural heritage, and community development using ICTs. Learning experiences in this course will employ literature-based discussion and experiential learning at case sites using relevant ICTs, including public libraries.

**LIS 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.

**Notes:** Same as TED 669.

**LIS 670 Educational Foundations for Information Professionals 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, school librarian, and instructional technology facilitator. Explores standards, assessment, issues, and trends.

**LIS 671 Designing Blended and eLearning Environments 3**

This course utilizes an advanced instructional design process to engage in designing, producing, managing and assessing learning environments delivered in multiple modalities, including blended, hybrid, synchronous, asynchronous, and hyflex. It considers strengths and weaknesses of each modality and helps learners identify best practices for designing effective instruction across modalities.

**Prerequisites:** LIS 672.

**LIS 672 Instructional Design 3**

Provides an overview of the field of instructional design, including the history of the field and current trends and issues. Focus is on implementing the systems approach to instructional design to produce designs that solve specific instructional problems across a variety of contexts (e.g., workplace training, K-16, adult education).

**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 675 eLearning Design 3**

Focuses on planning, design, implementation, facilitation, and assessment of learning in online and blended contexts.

**Prerequisites:** Core courses, LIS 672.

**LIS 676 Introduction 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 assets for pedagogical practices.

**Notes:** Same as TED 646.

**LIS 677 Capstone Experience in Instructional Technology 3**

Field-based capstone 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 the program, consult department website for details. Grading method is Satisfactory/Unsatisfactory (S/U).

**LIS 678 Game Studies and Game Design 3**

Covers the logic, sequences, and strategies for designing physical and digital games, as well as theories and applications used in game design. Designed as a participatory studio workshop for using games in instructional technology applications, where learning occurs through collaboration and experimentation.

**LIS 679 Introduction to Data Visualization 3**

Introductory course on principles of data visualization and application of design principles to produce informative visualizations. Students will learn essential techniques for articulating and communicating data findings in visual, oral, and written contexts for various audiences.

**LIS 681 Rare Books, Manuscripts, and Special Collections 3**

Covers the fundamental skills, tools, and approaches involved in the management of rare books, manuscripts, and other special collections materials. Focuses on special collections in libraries and archives, contextualizing these institutional collections in longer histories of collecting rare and unique materials.

**LIS 682 Seminar in Information Sources and Services 3**

Exploration of advanced topics in information sources and services with an emphasis on library and information agencies.

**Prerequisites:** LIS 620.

**LIS 683 Archival Preservation, Curation, and Access 3**

Covers the main theories and practices involved in stewarding archival and special collections materials, including the preservation of physical media, digitization of analog materials, and the curation of born-digital objects. Focuses on the critical importance of these activities to support and promote access to collections.

**LIS 684 Seminar in Legal and Ethical Issues in School Libraries 3**

Explores five areas of legal and ethical dilemmas that school librarians might face: 1) intellectual freedom and applying the First Amendment to students' rights to read; 2) privacy of minors; 3) copyright and fair use; 4) equity and access.

**LIS 685 Change and Project Management 3**

Covers theoretical and practical issues in change and project management, including the rationale for change, why change projects succeed or fail, translating change efforts into projects, leadership competencies related to the management of change, and ethical concerns. Focuses on change and project management in the context.

**LIS 686 Archival Appraisal, Advocacy, and Outreach 3**

Covers major theories, strategies, and approaches archivists use to appraise primary source materials for archival value and to communicate the value of those archival materials to a wide array of internal and external stakeholders. Focuses on building relationships between archival institutions and communities of records creators and users.

**LIS 688 Seminar in Selected Topics 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 Science 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 803 Research Extension 1-3**

Research Extension.