

INFORMATION SYSTEMS AND SUPPLY CHAIN MANAGEMENT, B.S.

The Information Systems and Supply Chain Management, B.S. major is available in a traditional as well as an online format.

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 Business Analytics concentration, grades of C or better in ISM 210, ISM 218, and ISM 240.
- For Cyber Security concentration, grades of C or better in ISM 201, ISM 218, and ISM 240.
- For Information Systems concentration, grades of C or better in ISM 218, ISM 240, ISM 280, and ISM 301.
- At least 50 percent of the business semester hours required for the degree must be earned at UNC Greensboro

Degree Program Requirements

Code	Title	Credit Hours
University Requirements (https://catalog.uncg.edu/academic-regulations-policies/undergraduate-requirements/undergraduate-degrees-and-degree-requirements/)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (https://catalog.uncg.edu/academic-regulations-policies/undergraduate-requirements/general-education-program/)		

Major Requirements

Bryan School Pre-Admission Courses

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter.

Courses used to meet Bryan School Pre-Admission **and** Bryan School Common Business Core requirements cannot be used to fulfill major or concentration requirements in the following majors: ACCT, BADM, ECOS, ENTR, FINC, INTB, ISSC, HTMT, or MKTG.

See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
Required		
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development	29-30
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	Foundations for Analytics using Spreadsheets
ISM 280	Information Systems for Decision Making
<i>Select one of the following:</i>	
ENG 101	Exploring Writing in College Contexts
FMS 115	Freshman Seminar in Reasoning and Discourse: Written Communication
RCO 101	College Writing I
<i>Completion of one of the following:</i>	
MAT 115	College Algebra
MAT 118	Algebra with Business Applications
MAT 120	Calculus with Business Applications
MAT 150	Precalculus I
MAT 151	Precalculus II
MAT 190	Precalculus
MAT 183	Mathematics for the Life Sciences
MAT 184	Calculus for the Life Sciences
MAT 191	Calculus I
MAT 292	Calculus II
MAT 293	Calculus III
MAT 196	Calculus A
MAT 296	Calculus B

Bryan School Common Business Core

Code	Title	Credit Hours
Required		38
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies	
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 *	
MKT 309	Business Communication & Innovation	
MKT 320	Principles of Marketing	
PHI 261	Ethical Issues in Business	
or PHI 262	Ethical Issues in Entrepreneurship	
SCM 302	Operations Management	
Global Sustainability Elective - One chosen from the list below: **		
ECO 100	Economics of a Global Sustainable Society	
BUS 130	Entrepreneurship in a Sustainable Global Environment	
LLC 120	Global Crossings: Topics in Images, Media, and Texts	
LLC 130	Global Green: Cultures of Production and/or Consumption	
HTM 200	Introduction to Sustainable Development	

* Hospitality and Tourism Management majors are exempt from the MGT 491 requirement; a similar course, HTM 491, is taken within the major requirements.

** Or other approved Global Sustainability elective.

Information Systems and Supply Chain Management Courses

Code	Title	Credit Hours
Required		9
ISM 110	Foundations for Analytics using Spreadsheets	
ISM 280	Information Systems for Decision Making	
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		18
ISM 210	Principles of Business Analytics	
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 328	Blockchain Technology Applications and Management	
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 Resource Planning (ERP)	

Cyber Security Concentration Requirement

Code	Title	Credit Hours
Required		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	
or ISM 328	Blockchain Technology Applications and Management	
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 425	Business Analytics	
ISM 498	Independent Study	
ISM 499	Problems in Information Systems and Supply Chain Management	
SCM 260	Essentials of Enterprise Resource Planning (ERP)	

Information Systems Concentration Requirements

Code	Title	Credit Hours
Required		21
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:

ISM 324	Secure Networked Systems	
ISM 328	Blockchain Technology Applications and Management	
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 Resource Planning (ERP)	

Supply Chain Management Concentration Requirements

Code	Title	Credit Hours
Required		18
SCM 206	Logistics and Transportation Management	
SCM 304	Managing and Organizing Projects	
SCM 402	Logistics and Supply Chain Management	
SCM 432	Supply Chain Management Project	
Select 6 credits from the following: *		
CRS 363	Global Sourcing of Apparel and Related Consumer Products	
HTM 313	Revenue Management	
ISM 210	Principles of Business Analytics	
ISM 218	Database Systems	
ISM 425	Business Analytics	
SCM 260	Essentials of Enterprise Resource Planning (ERP)	
SCM 411	Undergraduate Internship in Supply Chain Management	
SCM 498	Independent Study	
SCM 499	Problems in Supply Chain Management	

* Or other approved electives.

Disciplinary Honors in Information Systems and Supply Chain Management

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 gsdhillo@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>

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 Master's Program (AMP) 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 AMP before the first semester of the junior year. Applicants will not be required to take the GRE or GMAT entrance exam. All applicants must complete the Accelerated Master's Program information when applying for admission to the M.S. in Information Technology and Management.

Courses

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 646	Visualizing Data to Design Strategy	3
ISM 665	Principles of Cyber Security	3
ISM 671	Organizing Data for Analytics	3
ISM 673	Designing Secure Computer and IoT Networks for Business	3

ISM/SCM 678	Project Management for Dynamic Environments	3
SCM 650	Principles of Supply Chain Management	3
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	3

Only four of the above seven courses will be specified on a student's AMP application after consultation with the Graduate Program Director. 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. in Information Technology and Management remain the same.