

# CYBERSECURITY, B.S.

The Cybersecurity, B.S. major is available in traditional as well as online formats.

## 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.
- Grades of C or better in ISM 201, ISM 218, and ISM 240.
- 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 ( <a href="https://catalog.uncg.edu/academic-regulations-policies/undergraduate-requirements/undergraduate-degrees-and-degree-requirements/">https://catalog.uncg.edu/academic-regulations-policies/undergraduate-requirements/undergraduate-degrees-and-degree-requirements/</a> )		
General Education Requirements - Minerva's Academic Curriculum (MAC) ( <a href="https://catalog.uncg.edu/academic-regulations-policies/undergraduate-requirements/general-education-program/">https://catalog.uncg.edu/academic-regulations-policies/undergraduate-requirements/general-education-program/</a> )		

## 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
<b>Required</b>		<b>29-30</b>
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	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	
ENG 102	Academic Research and Writing	
FMS 115	Freshman Seminar in Reasoning and Discourse: Written Communication	
<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
<b>Required</b>		<b>38</b>
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	Principles of Innovation	
MKT 320	Principles of Marketing	
PHI 261	Ethical Issues in Business	
or PHI 262	Ethical Issues in Entrepreneurship	
or PHI 263	Business Ethics with East Asian Philosophy	
SCM 302	Operations Management	
<i>Global Sustainability Elective - One chosen from the list below: *</i>		
ECO 100	Economics of a Global Sustainable Society	
ENT 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	

\* Or other approved Global Sustainability elective.

## Cybersecurity Courses

Code	Title	Credit Hours
<b>Core Courses</b>		<b>9</b>
ISM 110	Foundations for Analytics using Spreadsheets	
ISM 280	Information Systems for Decision Making	
SCM 302	Operations Management	
<b>Required Courses</b>		<b>21</b>

ISM 201	Essentials of Cyber Security
ISM 218	Database Systems
ISM 240	Business Programming I
ISM 301	Systems and Process Analysis
ISM 324	Secure Networked Systems
ISM 452	Design of Management Information Systems
<i>Select one of the following:</i>	
ISM 326	Ethical Hacking
ISM 328	Blockchain Technology Applications and Management
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)

## Electives

Sufficient electives to complete the 120 total credit hours required for the degree.