

CYBERSECURITY, BACHELOR OF SCIENCE

Code	Title	Hours
General Education Courses		
<i>I. Communication</i>		
English:		
ENGL U101	Composition I	3
ENGL U102	Composition II	3
Speech:		
SPCH U201	Foundations in Oral Communication	3
<i>II. Mathematics, Logic & Natural Sciences</i>		
Mathematics: ^{1,2}		
MATH U141	Calculus I	4
MATH U142	Calculus II	4
Natural Science (w/ lab):		
Select one of the following options:		8
Option 1:		
BIOL U101 & U101L	Introductory Biology I and Introductory Biology I Lab	
BIOL U102 & U102L	Introductory Biology II and Introductory Biology II Lab	
Option 2:		
CHEM U111 & U111L	General Chemistry and General Chemistry Lab	
CHEM U112 & U112L	General Chemistry and Qualitative Analysis and General Chemistry and Qualitative Analysis Lab.	
Option 3:		
BIOL U244 & U244L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	
<i>III. Information Technology</i>		
Information Technology: ¹		
CSCI U138	Introduction to Computer Technology	3
or CSCI U150	Introduction to Computer Science	
<i>IV. Fine Arts, Humanities & History</i>		
Choose one course from each of the following three sections, with three disciplines represented.		
Fine Arts:		
Select one of the following:		3
AFAM U204	African American Culture	
ARTH U101	Introduction to Art	
ARTH U105	History of Western Art: Prehistory - Middle Ages	
ARTH U106	History of Western Art: Renaissance - Modern	
MUSC U110	Introduction to Music	
MUSC U140	History of American Popular Music	
THEA U161	Introduction to Theatre Art	
THEA U170	Fundamentals in Acting	
History:		
Select one of the following:		3
HIST U101	Introduction to World History I	
HIST U102	Introduction to World History II	

HIST U105	History of the United States to 1877	
HIST U106	History of the United States from 1865	
Humanities:		
Select any Fine Arts course listed above from a second discipline or:		3
AMST U101	American Studies, 17th - 19th Century	
AMST U102	American Studies, 20th Century	
ENGL U208	Introduction to Creative Writing	
ENGL U252	Understanding English Grammar	
ENGL U275	Masterpieces of World Literature	
ENGL U279	Survey of American Literature I	
ENGL U280	Survey of American Literature II	
ENGL U289	Survey of British Literature I	
ENGL U290	Survey of British Literature II	
ENGL U291	African American Literature	
FILM U240	Introduction to Film	
PHIL U102	Introduction to Philosophy	
PHIL U211	Contemporary Moral Issues	
RELG U103	Comparative Religion	
SOST U201	Introduction to Southern Studies	
<i>V. Foreign Language & Culture</i>		
Foreign Language:		
Select one of the following: ³		3
ASLG U101	American Sign Language I	
FREN U101	Introductory French I	
GERM U101	Introductory German I	
SPAN U101	Introductory Spanish I	
<i>VI. Social & Behavioral Sciences</i>		
Social & Behavioral Science:		
Select two courses from the following with two disciplines represented:		6
AFAM U201	Introduction to African American Studies	
ANTH U102	Understanding Other Cultures	
ECON U221	Principles of Macroeconomics	
ECON U222	Principles of Microeconomics	
GEOG U103	Introduction to Geography	
POLI U101	American National Government	
PSYC U101	Introduction to Psychology	
SOCY U101	Introduction to Sociology	
SPCH U210	Interpersonal Communication	
WGST U101	Introduction to Women's & Gender Studies	
<i>VII. General Education Electives</i>		
General Education Electives		0
Core Major Requirements¹		
CSCI U200	Computer Science I	3
CSCI U210	Computer Organization	3
CSCI U236	Python Programming	3
or CSCI U238	C++ Programming	
CSCI U300	Computer Science II	3
CSCI U321	Computer Science III	3
CSCI U355	Digital Forensics	3
CSCI U375	Introduction to Cybersecurity	3
CSCI U412	Introduction to Computer Networks and Security	3

CSCI U455	Computer Security	3
CSCI U511	Operating Systems	3
CSCI U570	Network Security	3
CSCI U575	Applied Cybersecurity	3
CSCI U599	Computer Science Senior Seminar	3
Major Electives		
Select six of the following:		18
CSCI U399	Independent Study	
CSCI U421	Design and Analysis of Algorithms	
CSCI U450	E-Business Web Application Development	
CSCI U456	Applied Cryptography	
CSCI U499	Directed Research	
CSCI U515	Wireless Networks	
CSCI U516	Distributed and Network Programming	
CSCI U520	Database System Design	
CSCI U521	Database Implementation, Application and Administration	
CSCI U525	Knowledge Discovery and Data Mining	
CSCI U530	Programming Language Structures	
CSCI U540	Software Engineering	
CSCI U555	Advanced Computer Security and Information Assurance	
CSCI U580	Introduction to Artificial Intelligence	
<i>Supporting Courses</i> ¹		
MATH U174	Elements of Discrete Mathematics ¹	3
<i>Electives</i> ⁴		
Select 15 credits		15
Total Hours		121

¹ A minimum grade of C is required in each course indicated.

² For MATH U141 Calculus I students must satisfy prerequisites by a score of 3 or better on AP Calculus AB, math placement exam, or passing MATH U126 Precalculus I and MATH U127 Precalculus II with a grade of C or better.

³ The minimum acceptable level of competency is completion of the 101 level of a language. Students who place into the 102 or higher level of a language satisfy the language requirement but will have additional hours in general education electives, if hours are required by their degree program.

⁴ UNIV U101 The Student in the University is recommended for the first semester course.