CYBERSECURITY FIVE-YEAR ACCELERATED DEGREE BACHELOR OF ARTS AND MASTER OF SCIENCE PROGRAM

Requirements

Code	Title	Credits
All Requirements for BA in Computer Science [1]		122
Required Courses		
SWEG 5530	Introduction to Information Security	3
SWEG 6404	Network Security	3
SWEG 6530	Applications and Data Security	3
SWEG 6599	Ethical Hacking	3
Concentration Courses		
Complete two courses in one of the following concentration areas:		6
Management Concentration		
SWEG 5417	Security Management	
SWEG 5440	Vulnerability Management	
SWEG 6448	Server Management	
Technical Concentration		
SWEG 5349	Cloud Computing	
SWEG 5420	Systems Security	
SWEG 5335	Digital Forensics	
Electives Courses		
Select two additional graduate-level electives from the following: [2]		6
SWEG 5301	Software Engineering Methods	
SWEG 5302	Software Design Methods	
SWEG 5322	Visual Analytics	
SWEG 5355	Artificial Intelligence	
SWEG 5360	Machine Learning	
SWEG 5521	Information Visualization	
SWEG 6461	Pattern Recognition	
SWEG 6518	Data Mining and Business Intelligence	
SWEG 6596	Network Routing and Switching	
Capstone Sequence		
SWEG 6961	Capstone Professional Project I	3
SWEG 6962	Capstone Professional Project II	3
Total Credits		**152**

[1] Requirements are the same as those for the BA in Computer Science. The two graduate courses, to be taken during the final year of undergraduate study, are in addition to the required 122 credits for the BA, and will be applied to the graduate degree.

[2] Electives may be chosen from courses listed, SWEG 5990 Independent Study, or any other graduate-level course from a concentration or another area, under advisement of the academic advisor and department chair.

Note: A minimum of 30 credits must be completed at the graduate level.