MASTER OF SCIENCE IN CYBERSECURITY

Program

To earn a Master of Science in Cybersecurity, students complete the following:

Code	Title	Credits
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		
Select 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	
Elective Courses		
Select two elective courses from the following: [1]		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		**30**

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