

CYBERSECURITY MANAGEMENT, MASTER OF SCIENCE

Overview

The MS in Cybersecurity Management was designed to provide individuals with the deep theoretical and functional knowledge of the technical, business, and management aspects of cybersecurity. This graduate program consists of eleven three-credit courses in the cybersecurity management curriculum: 3 foundation courses, 5 required courses, 1 capstone course, and two electives. Students will be prepared to effectively envision, plan, develop, document, review, communicate and lead cybersecurity efforts for an organization. This will include in-depth study of existing and emerging cybersecurity domain technologies, and the industry's best practices and standards for organizations in need of an effective approach to managing cybersecurity.

Requirements

Please note: Any IT Management MS course is available as an elective to Cybersecurity Management students.

Course ID	Title	Credits
CSMT 7050	Leadership for CS Profnl	3
CSMT 7900	Sec & Cyber Threats for Mgrs	3
CSMT 7700	Cyber Network & Tele Security	3
CSMT 7800	Cyber Law & Policy	3
CSMT 7500	IT Sec Auditing & Monitoring	3
CSMT 7950	Cryptography	3
CSMT 7300	Data & Database Security	3
CSMT 7990	Enterprise CS Mgt Capstone	3
CPST 7150	The Business of IT	3
Electives (choose two):		6
CSMT 7870	Cyber Incident Res & Forensics	
CSMT 7750	Wireless, Mobile & Cloud Secur	
CSMT 7920	Software and Web App Security	
ESSC 7001	Cyber Threats and Homeland Security	
CPST 6750	Cyber Defense	
Total Credit Hours		33

Homeland Security Concentration

Course ID	Title	Credits
ESSC 6006	Intel Analysis and Critical Thinking	3
ESSC 6018	Approaches to Counter Terrorism	3
ESSC 7001	Cyber Threats and Homeland Security	3
Total Credit Hours		9

Emergency Operations Concentration

Course ID	Title	Credits
CPST 7900	Sec & Cyber Threats - IT Mgrs	3
ESSC 6001	Introduction to Emergency Management	3
ESSC 6013	Business Continuity	3
Total Credit Hours		9