

INFO SYSTEMS SECURITY (SEC)

SEC 101 SECURITY FUNDAMENTALS	3 Credit Hours
Course intended for end users who use computers at home or in the office, who want to increase their understanding of information security issues and practices. (3 lecture)	
SEC 293 COOPERATIVE WORK EXPERIENCE	1-12 Credit Hours
(1-12 lecture)	
SEC 300 INTRO TO SECURITY	3 Credit Hours
Real-world business challenges and hands-on exercises working with corporate security policies, practices and procedures. Students will learn topics such as working with acceptable use policies, cryptography, common attackers, and business communications in real-world security situations. (2 lecture, 2 lab)	
SEC 350 NETWORK SECURITY	5 Credit Hours
This class will teach students to design and implement security solutions that will reduce the risk of revenue loss and vulnerability. Focus on the overall security processes based on a security policy, with an emphasis on hands-on skills in the areas of secure perimeter, secure connectivity, security management, identity services, and intrusion detection. (4 lecture, 1 lab)	
Prerequisite(s): CIT 205	
SEC 351 DEFENSES & COUNTERMEASURES	3 Credit Hours
This course will teach students to design and implement intrusion detection, firewalls and Virtual Private Network security, as well as implementing a security policy, through advanced computer network operation systems. (3 lecture)	
Prerequisite(s): SEC 300	
SEC 393 COOPERATIVE WORK EXPERIENCE	1-12 Credit Hours
(1-12 lecture)	
SEC 397 SPECIAL TOPICS	1-6 Credit Hours
SEC 410 MGMT OF INFORMATION SECURITY	3 Credit Hours
Explore the management aspects of information security. The course will take a decision-making perspective and present information for effectively combining topics covered in other security classes into a holistic security management approach. (3 lecture)	
Prerequisite(s): SEC 300	
SEC 430 OPERATING SYSTEM SECURITY	3 Credit Hours
Designed to expand basic network and operating system skills to include planning, implementation, and auditing of a system's security. Course covers a variety of operating systems, including a Windows client operating system, Windows server operating system, Linux, Novell NetWare, and Mac OS. (2 lecture, 2 lab)	
Pre/Corequisite(s): SEC 300	
SEC 431 COMPUTER FORENSICS	3 Credit Hours
Methods needed to properly conduct a computer forensics investigation including a discussion of investigative tools and techniques, investigative reporting, testifying in a court of law, and ethics. (3 lecture)	
Prerequisite(s): SEC 300	
SEC 460 SECURITY CAPSTONE	3 Credit Hours
Investigation of an actual or experimental situation, which may include the design, construction, and testing of an experimental, comprehensive scenario demonstrating mastery of security topics covered in previous classes. (3 lecture)	
Pre/Corequisite(s): STEM 420	