

Security Systems Technology

Associate in Applied Science Degree

Program SECURITY.SYS.AAS
CIP 470110



The Security Systems Technology program was developed in cooperation with the Security Industry Association (SIA). The degree prepares students for jobs that support the selling, installation and management, and technical support of physical security systems technologies in an IP-based networked environment.

PROGRAM OUTCOMES

- Understand, configure, and install physical security hardware and software, cameras and optics, access control systems, video management systems (VMS), as well as fire and burglary systems, and perform control station monitoring;
- Understand, describe, and implement physical security practices and procedures;
- Understand, describe, and implement computer network protocols and standards;
- Sit for the Cisco Certified Network Associate (CCNA) and CompTIA Security+ exams;
- Use printed and online technical documentation;
- Work effectively as individuals and in work-groups to install and implement physical security systems technologies;
- Demonstrate written and oral communication skills.

Students excelling in the program may be eligible to participate in internship opportunities which periodically become available in the physical security product manufacturers, system distributors, and systems integrators sectors. A capstone experience during the last semester allows students to participate in the design and implementation of a real-world security solution.

Admission to the program requires a high school diploma or its equivalent, one year of high school algebra, and competency in English composition, reading, and mathematics as determined by placement testing. Students who are required to complete foundations courses should plan their curriculum with a faculty advisor.

Program applicants must demonstrate an understanding of how to configure, install, diagnose, and troubleshoot microcomputer hardware components and operating systems software, or should enroll in NET 102 (Introduction to PC Hardware and Software) during their first semester.

Curriculum

Code	Course (lecture/lab hours)	Credits	
FIRST SEMESTER			
EET 130	Fundamentals of Electronics (2/2)	3	
ENG 101	English Composition I (3/0)	3	
IST 101	Computer Concepts with Applications (2/2)	3	
NET 103	IT Essentials (2/3)	3	
NET 104	Fundamentals of Computer Networks (2/2)	3	
SECOND SEMESTER			
CSW 100	College Success and Personal Wellness (2/0)†	2	
EET 141	Electrical Wiring and Cabling (2/2)	3	
ENG 102	English Composition II (3/0)	3	
MAT 125	Elementary Statistics I (3/0) ¹	3	
NET 130	Routing and Switching Essentials (2/2)	3	
SST 200	Physical Security Product Technologies (2/2)	3	
THIRD SEMESTER			
CMN 111	Speech: Human Communication (3/0)	3	
EET 215	Fiber Optics (3/2)	4	
NET 230	Scaling Networks (2/2)	3	
NET 239	Connecting Networks (2/2)	3	
SST 210	Security Project Management (2/2)	3	
FOURTH SEMESTER			
BUS 210	Principles of Management (3/0)	3	
BUS 230	Global Environment of Business (3/0) ²	3	
NET 240	Network Security (2/2)	3	
SST 220	Systems Integration: A Business Blueprint (2/2)	3	
SST 230	Security Sales: The Consultative Approach (2/2)	3	
—	—	General Education elective ³	3
		66	

¹ Students intending to transfer to a baccalaureate program should take MAT 135 or higher-level mathematics course.

² Students intending to transfer should substitute a lab science course.

³ Select course from either Social Science or Humanities general education categories.

† Some exemptions apply. Consult academic advisor for details.

NOTE: All program listings are subject to periodic updates. Please consult your program advisor, academic division, or www.mccc.edu/programs_degree