MERCER
COUNTY COMMUNITY COLLEGE

2024-2025 Academic Year

Security Systems Technology

Associate in Applied Science Degree (A.A.S.)

B-STEM Division
Business, Science, Technology, Engineering and Math
609.570.3482 admiss@mccc.edu

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 workgroups 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.

DEGREE CURRICULUM

2024-2025 Academic Year

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The course sequence below represents a recommended example of how this degree program can be completed in two years, presuming a Fall Term start and satisfaction of all Developmental Studies (foundation courses) requirements and prerequisites. Actual approaches toward completion depend on each student's anticipated transfer institution, career objectives, or other individual circumstances.

Students are encouraged to meet regularly with an academic advisor or Success Coach to consider options, establish plans, and monitor progress.

Code	Course (lecture/lab hours)	Credits	To Do This Semester
FIRST SEMESTER			
COS 101	Introduction to Computer Science (3/2)	4	✓ Meet with your faculty advisor to complete an academic plan. Make sure you are aware of any course prerequisites you may need to take, and how long it will take to complete your degree. ✓ Use your online tools: Check your MercerMail daily, utilize features of Office 365, and get to know Student Planning. ✓ Take advantage of Learning Centers or Online Tutoring to support your studies and assignments.
EET 130	Fundamentals of Electronics (2/2)	3	
ENG 101	English Composition I (3/0)	3	
NET 103	IT Essentials (2/3)	3	
NET 104	Fundamentals of Computer Networks (2/2)	3	

SECOND SEMESTER

EET 141	Electrical Wiring and Cabling (2/2)	3
ENG 112	English Composition II with Speech (3/0)	3
MAT 140	Applied College Algebra (3/1)	4
	• Students intending to transfer to a baccalaureate program should take MAT 146 or 151.	
NET 130	Routing and Switching Essentials (2/2)	3
SST 200	Physical Security Product Technologies (2/2)	3

✓ Transitioning to college can be challenging. Meet with your Success Coach for guidance and support.

✓ Apply for financial aid by May 1.

✓ Contact professors with questions and use their office hours to develop a connection. Talk with them to get the inside scoop on how your profession works.

✓ Be sure to visit the Career Services office to explore jobs, internships, and career information and get help with your resume and other career tools.

✓ Apply for Continuing Student scholarships at www.mccc.edu/m-scholarships.

THIRD SEMESTER

EET 145	Fiber Optics (3/2)	3
NET 230	Scaling Networks (2/2)	3
NET 239	Connecting Networks (2/2)	3
SST 210	Security Project Management (2/2)	3

✓ Keep in contact with each professor and your faculty advisor. Make sure you are on track to graduate on time.

✓ Work with Career Services to formulate plans for after you've earned this degree.

✓ Develop team and leadership skills by getting

			involved in activities and clubs. ✓ Apply for Continuing Student scholarships at www.mccc.edu/m-scholarships. ✓ Manage your stress! Take advantage of the MCCC pool, Fitness Center, free yoga and Zumba. Reach out for counseling or other support if you need it. Your Success Coach can connect you with resources.
FOURTH SEMESTER			
BUS 230	Global Environment of Business (3/0)	3	✓ Get ready to start your career! Begin the job application process. ✓ Discuss your career plans with your faculty advisor. S/he can help you transition successfully.
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	
— —	Social Science or Humanities general education elective	3	
		60	