COMPUTER SCIENCE AND INFORMATION SYSTEMS—NETWORK AND SECURITY OPTION—ASSOCIATE OF SCIENCE DEGREE

PROGRAM DESCRIPTION

The Computer Science and Information Systems program prepares students taking the Computer Science Option with the lower-division coursework required at most universities for advancement to upper-division coursework for the Bachelor’s Degree with a major in Computer Science or Information Systems fields. All options are designed to provide students with the skills necessary for employment in the information systems and computer science industry.

Network and Security Option

This certificate or degree program is designed for those interested in becoming network and security specialists in a networked business or information systems environment.

As a result of ongoing changes in technology, the need to expand competencies, and changing transfer requirements, certificate and degree requirements may also change. If you note changes in degrees or certificate requirements, or if courses are not offered in a particular semester, please consult with a counselor or faculty member on how best to complete the program in which you are enrolled.

PROGRAM OUTCOMES

Upon successful completion of the Computer Science and Information Systems—Network and Security Option program, a student should be able to:

- design, plan, and implement a small office network, incorporating current industry standards for performance, reliability, and security.
- demonstrate strong interpersonal skills, communicate effectively with technical and non-technical colleagues, and work effectively on a team.
- assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems.
- configure small business and small enterprise networking, storage and virtual equipment, (servers and network devices) to create a reliable, secure, and efficient networking infrastructure.