

COMPUTER INFORMATION SYSTEMS: COMPUTER NETWORKING CERTIFICATE

Program code: CISN-CC

Location: Gateway, Middlesex, Naugatuck Valley, Northwestern, Quinebaug Valley

Program Description

The Computer Networking certificate is designed for those individuals who desire an understanding of networks and their use in the workplace. The course of study will provide the student with knowledge of local area network design, network management, installation, servicing and support. The Computer Networking certificate may be applied to the Computer Information Systems Associate degree.

Learning Outcomes

1. Provide the student with the personal computer skills necessary to effectively function in today's workplace.
2. Offer a "hands-on" learning experience in the personal computer networking software most commonly used in business and industry.
3. Provide the opportunity for a more advanced technical understanding of personal computer local area networks, their design, installation and management.
4. Provide entry-level opportunities to individuals seeking positions requiring computer networking skills.
5. Upgrade the skills of individuals currently employed.

This degree will begin to prepare students for common certification exams such as:

- CCNA (CISCO Certified Network Associate) exam.
- CompTia Network+
- CompTIA Security+

Certificate Requirements

CSC 1201 Introduction to Programming *and* CSC 2213 Object Oriented Programming *are not allowed in this program. Students are encouraged to take CSC 1211 Java I or other programming language.*

Code	Title	Credits
Required Courses		
CIS 1104	Introduction to Operating Systems	3
CST 1221	Networking I	4
CYS 2111	Network Security	3
CST 2142	Windows Server Administration	4
Choose two of the following directed electives:		6-8
CST 2124 or CST 1111	Voice over IP Networking Computer Hardware	
CST 2222	Networking II	
CST 2223	Networking III	
CIS 2994	Coop Ed/Work Experience	
Total Credits		20-22

There are five Associate degree options within Computer Information Systems. Students may earn only one degree but can earn additional certificates.

- Computer Information Systems: Cloud Computing
- Computer Information Systems: Cloud Computing Certificate
- Computer Information Systems: Computer Programming Certificate
- Computer Information Systems: Data Analytics
- Computer Information Systems: Generalist
- Computer Information Systems: IT Support
- Computer Information Systems: IT Support Certificate
- Computer Information Systems: Networking, AS
- Computer Information Systems: Programming