

COMPUTER NETWORKING CERTIFICATE

Program code: CPNT-CC

Location: Capital, Gateway, Manchester, Quinebaug Valley

Program Description

The Computer Networking Certificate is designed to take a student with little or no information technology experience and prepares them for entry-level work in network and systems administration. It covers the fundamentals of computer network theory as well as practical network connectivity device configuration, administration of networked client-server Linux and Windows computer operating systems.

Students will be able to build virtualized and real-world computer networks. Students will have hands-on access to computer networking equipment.

Learning Outcomes

Upon successful completion of all certificate requirements, graduates should be able to:

1. Design and build local area networks (LAN).
2. Use packet tracing software to analyze network traffic.
3. Install and configure Linux and Windows operating systems.
4. Install and configure network services in Linux and Windows operating systems.

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

- CompTIA Network+
- CompTIA Linux+
- CCNA

Certificate Requirements

Code	Title	Credits
Required Courses		
CST 1221	Networking I	4
CST 1141	Linux System Administration	4
CST 2142	Windows Server Administration	4
CST 2222	Networking II	4
CST 2223	Networking III	4
CST 2161	Virtualization and Cloud Computing	3
Total Credits		23