



INFORMATION TECHNOLOGY, CERTIFICATE



NASHUA
COMMUNITY COLLEGE

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Certificate Overview

The Certificate in Information Technology is designed to provide students with networking skills necessary for the vast field of Information Technology. Within the Information Technology program there are two pathways: Technical Support and Cybersecurity Defense.

The technical support pathway prepares students for the following positions:

- Help Desk Technician
- System Administrator
- Quality Assurance
- Technical Writer
- Customer Support

The Cybersecurity Defense pathway prepares students for the following positions:

- IT Security Administrator
- Incident Responder
- Cloud Security
- Security Specialist

Students will be presented with materials necessary for Cisco CCNA, CompTIA Security+, CompTIA Linux+ and AWS Cloud Practitioner certifications.

Program Outcomes

Upon the completion of the certificate in Information Technology, graduates will be able to:

1. Design, assemble, configure, and troubleshoot desktop and laptop computers using Windows and Linux operating systems.
2. Monitor for signs of intrusion and handle incident responses. (Cybersecurity Defense pathway only).

3. Perform configuration on basic network devices for wired and wireless networks.
4. Perform basic system administration including management of system accounts for Windows and Linux.
5. Describe the function of the major AWS services and use the AWS console for basic configuration tasks.
6. Apply critical thinking skills to resolve networking and computer systems problems.

Estimated Cost of Program (Tuition Only)

In-State \$5,750

New England Regional \$8,625

Out-Of-State \$12,625

Technical Support Pathway

Item #	Title	Class Hours	Lab Hours	Credits
CSCN101N	Computer Architecture and Operating Systems	2	3	3.00
CSCN104N	Internet of Things	2	2	3.00
CSCN116N	Networking Basics	2	2	3.00
CSCI170N	Linux Essentials	2	2	3.00
CSCN202N	Cloud Computing	2	2	3.00
CSCN204N	Administering Windows Servers	2	2	3.00
CSCN216N	Switching, Routing, & Wireless Essentials	3	3	4.00
CSCN217N	Enterprise Networking, Security and Automation	2	2	3.00

Cybersecurity Defense Pathway

Total Credits

25

Item #	Title	Class Hours	Lab Hours	Credits
CSCN101N	Computer Architecture and Operating Systems	2	3	3.00
CSCN116N	Networking Basics	2	2	3.00
CSCN150N	Fundamentals of Cybersecurity	2	2	3.00
CSCI170N	Linux Essentials	2	2	3.00
CSCN202N	Cloud Computing	2	2	3.00
CSCN219N	Incident Response	2	2	3.00
CSCN216N	Switching, Routing, & Wireless Essentials	3	3	4.00
CSCN217N	Enterprise Networking, Security and Automation	2	2	3.00