INFORMATION TECHNOLOGY, AS

NASHUA COMMUNITY COLLEGE

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Program Overview

The Associate in Science Degree in Information Technology is designed to provide students with the skills necessary for a position in 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 A+, CompTIA Security+, CompTIA Linux+ and AWS Cloud Practitioner certifications.

Program Outcomes

Upon the completion of the degree 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. Perform configuration on basic network devices for wired and wireless networks.
3. Monitor for signs of intrusion and handle incident responses. (Cybersecurity Defense pathway only)
4. Create basic configuration scripts (python, bash, bat).
5. Describe the function of the major AWS services and use the AWS console for basic configuration tasks.
6. Discuss network security monitoring data collection and analysis. (Cybersecurity Defense pathway only)
7. Apply critical thinking skills to resolve troubleshooting and security issues.

In addition, the graduate will be able to demonstrate competency in the general education outcomes.

Estimated Cost of Program (Tuition Only)

In-State $14,030
New England Regional $21,045
Out-Of-State $30,805

First Year - Fall Semester

Item #	Title	Class Hours	Lab Hours	Credits
ENGL101N	College Composition	4	0	4
CSCN101N	Computer Architecture and Operating Systems	2	3	3
CSCN104N	Internet of Things	2	2	3
CSCN116N	Networking Basics	2	2	3
	Behavioral Social Science or Non-Behavioral Social Science Elective			3

First Year - Spring Semester

Item #	Title	Class Hours	Lab Hours	Credits
CSCI120N	Introduction to Scripting - Python	2	2	3
CSCI170N	Linux Essentials	2	2	3
CSCN216N	Switching, Routing, & Wireless Essentials	3	3	4
	CSCN150N or Elective in Major*			3
	Quantitative Literacy Elective			4

Second Year - Fall Semester

Item #	Title	Class Hours	Lab Hours	Credits
CSCN202N	Cloud Computing	2	2	3
CSCN217N	Enterprise Networking, Security and Automation	2	2	3
	CSCN211N or Elective in Major*			3
ENGL122N	Technical Writing	3	0	3
	Natural or Physical Science Elective (w lab)			4

Second Year - Spring Semester

Item #	Title	Class Hours	Lab Hours	Credits
CSCN204N	Administering Windows Servers	2	2	3
	Elective in Major for Information Technology			3-4
	Humanities/Fine Arts/ World Language Elective			3
	CSCN290N or CSCN286N or CSCN250N			3
	Total Credits			61