

IT: Networking Concentration

Degree Type

Associate in Science

Students learn networking theory, planning, design, installation, support, troubleshooting, and administration of wired and wireless networks through the use of lecture and hands-on labs. The Information Technology Program: Networking Concentration provides knowledge and experience for various industry-recognized certification exams.

Learn more about the program and apply at [Associate in Science - IT: Networking](#)

Requirements

First Semester

Item #	Title	Credits
ENL101	English Composition I	3
CIT187	Introduction to Networks (Cisco 1)	3
CIT115	IT: Windows Desktop Operating Systems	3
CIT113	Microcomputer Hardware	3
BUS100	Introduction to Business	3

Second Semester

Item #	Title	Credits
CIT248	Switching, Routing & Wireless Essentials (Cisco 2)	4
	First-level Programming Language	3
COM103	Human Communication	3
	Behavioral & Social Sciences (PHI210 suggested)	3
	Mathematics/Quantitative Reasoning	3-4

Third Semester

Item #	Title	Credits
CIT249	Enterprise Networking, Security, and Automation (Cisco 3)	4
CIT116 (BIT116)	IT: Linux	3
CIT104	Cybersecurity	3
	General Education Elective	3
	Behavioral & Social Sciences (PHI210 suggested)	3

Fourth Semester

Item #	Title	Credits
CIT252	Enterprise Routing Protocols	4
BUS112	Organizational Behavior	3
CIT237	Windows Server Administration	3
	Mathematics/Quantitative Reasoning* (or) Natural or Physical Science**	3-4
	Total Credits	60-62

Transfer Information

[IT Transfer Options](#)

Career Outlook

Students completing the Information Technology Program: Networking Concentration are well trained to work as network administrators.

This [occupational profile](#) is provided by O*NET.

See also: [What can I do with this major?](#)

Program Outcomes

Upon completion of the Information Technology Program: Networking Concentration, students are able to:

- Read, write, discuss, and think critically about topics and ideas within networking technology.
- Prepare for multiple industry recognized networking related certifications.
- Work independently and with teams in a networking technology setting.
- Display proficiency with various networking configurations.
- Obtain entry-level positions in the networking field.