

Industry Credentials, Concentration Sequences, and Career Clusters

Computer Networking Hardware Operations IV (8545)

Industry Credentials:

These apply only to 36-week courses

- Cisco Certified Cyberops Associate Examination
- Cisco Certified DevNet Associate Examination
- Cisco Certified Networking Associate (CCNA) Examination
- College and Work Readiness Assessment (CWRA+)
- Computer Networking Fundamentals Assessment
- Customer Service Specialist (CSS) Examination
- IT Fundamentals+ (ITF+) Certification Examination
- Network+ Certification Examination
- Professional Communications Certification Examination
- Security+ Certification Examination
- Workplace Readiness Skills for the Commonwealth Examination

Concentration Sequences:

*A combination of this course and those below, equivalent to two 36-week courses, is a **concentration sequence**. A **program completer** is a student who has met the requirements for a CTE concentration sequence and all other requirements for high school graduation or an approved alternative education program. Students wishing to complete a specialization may take additional courses based on their career pathways.*

- Computer Networking Hardware Operations I
- Computer Networking Hardware Operations II
- Computer Networking Hardware Operations III

Career Clusters, Career Pathways, and Occupations:

- Information Technology
 - Information Support and Services
 - Applications Integrator

- Computer User Support Specialist
- Computer Systems Engineer, Architect
- Database Administrator
- Database Analyst
- Information Systems Analyst
- Information Systems Security Developer
- Information Systems Security Manager
- Maintenance Technician
- Network Systems and Data Communication Analyst
- Software Test Engineer
- Systems Analyst
- Technical Writer
- Network Systems
 - Computer Operator
 - Computer Security Specialist
 - Computer Software Engineer
 - Computer User Support Specialist
 - Computer Systems Engineer, Architect
 - Computer and Information Systems Administrator
 - Database Analyst
 - Information Security Analyst
 - Network Architect
 - Network Systems and Data Communication Analyst
 - Network and Computer Systems Administrator
 - Software Test Engineer
 - Systems Analyst
 - Telecommunications Equipment Installer, Repairer
 - Telecommunications Specialist
- Programming and Software Development
 - Computer Software Engineer
 - Information Security Analyst
 - Network Systems and Data Communication Analyst
 - Programmer
 - Project Manager
 - Software Applications Engineer
 - Software Test Engineer
 - Systems Analyst
- Web and Digital Communications

- Computer User Support Specialist
- Computer Systems Engineer, Architect
- Project Manager
- Software Test Engineer
- Systems Analyst