# Industry Credentials, Concentration Sequences, and Career Clusters Cybersecurity Systems Technology (8628)

## Industry Credentials:

*These apply only to 36-week courses.*

- A+ Certification Examination
- Apple Certified Support Professional Examination
- College and Work Readiness Assessment (CWRA+)
- Computer Networking Fundamentals Assessment
- Computer Repair Technology Assessment
- Computer Service Technician (CST) Examination
- Computer Technology Assessment
- Customer Service Examination
- IC3 Digital Literacy Certification Examination
- IT Fundamentals+ Certification Examination
- National Career Readiness Certificate Assessment
- Network Administration Certification Tests
- Network+ Certification Examination
- Security+ Certification Examination
- Technical Support Certification Tests
- 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.*

- Cybersecurity Fundamentals (6302/36 weeks)
- Cybersecurity Systems Technology, Advanced (8629/36 weeks, 280 hours)

## Career Clusters, Career Pathways, and Occupations:

- Information Technology
  - Information Support and Services
    - Computer Support Specialist
    - Computer Systems Engineer, Architect
    - Information Systems Analyst

- ▪ Maintenance Technician
- ▪ Network Systems and Data Communication Analyst
- ▪ Systems Analyst
- o Network Systems
  - ▪ Computer Operator
  - ▪ Computer Security Specialist
  - ▪ Computer Support Specialist
  - ▪ Computer Systems Engineer, Architect
  - ▪ Information Security Analyst
  - ▪ Network and Computer Systems Administrator
  - ▪ Network Architect
  - ▪ Network Systems and Data Communication Analyst
  - ▪ Systems Analyst
  - ▪ Telecommunications Equipment Installer, Repairer
  - ▪ Telecommunications Specialist
- o Programming and Software Development
  - ▪ Computer Software Engineer
  - ▪ Network Systems and Data Communication Analyst
- o Web and Digital Communications
  - ▪ Computer Support Specialist
  - ▪ Computer Systems Engineer, Architect
  - ▪ Systems Analyst