

Industry Credentials, Concentration Sequences, and Career Clusters

Cybersecurity in Food and Agriculture, Advanced (8075)

Industry Credentials:

These apply only to 36-week courses

- College and Work Readiness Assessment (CWRA+)
- IC3 Digital Literacy Certification Examination
- IT Fundamentals+ (IFT+) Certification Examination
- National Career Readiness Certificate Assessment
- Security Pro 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.*

- Cybersecurity Fundamentals
- Cybersecurity in Food and Agriculture

Career Clusters, Career Pathways, and Occupations:

- Agriculture, Food and Natural Resources
 - Agribusiness Systems
 - Agricultural Commodity Broker
 - Agricultural Economist
 - Agricultural Loan Officer
 - Environmental Service Systems
 - Environmental Compliance Inspector
 - Environmental Sampling and Analysis Technician
 - Power, Structural, and Technical Systems

- Agricultural Engineer
- Business Management and Administration
 - Administrative Support
 - Training and Development Manager
 - Computer Operator
 - Data Entry Specialist
 - Business Information Management
 - Account Executive
 - Applications Integrator
 - Computer User Support Specialist
 - Database Analyst
 - Software Test Engineer
 - Systems Analyst
 - General Management
 - Entrepreneur
- Education and Training
 - Teaching and Training
 - Cyber Instructional Curriculum Developer
 - Cyber Instructor
 - Secondary School Teacher
 - Training Consultant/Training Specialist
- Government and Public Administration
 - National Security
 - Cyber Defense Analyst
 - Military Intelligence Specialist
 - Regulation
 - Compliance Officer
 - Cyber Crime Investigator
 - Environmental Compliance Inspector
- Health Science
 - Health Informatics
 - Computer Programmer
- Information Technology
 - Information Support and Services
 - Account Executive
 - Applications Integrator
 - Communications Equipment Operator
 - Computer Numerical Control Programmer (CNC Programmer)

- Computer User Support Specialist
- Computer Systems Engineer, Architect
- Database Administrator
- Database Analyst
- Executive Assistant
- Geographic Information Systems (GIS) Technician
- Information Systems Analyst
- Information Systems Security Developer
- Information Systems Security Manager
- Internet Entrepreneur
- Network Systems and Data Communication Analyst
- Software Test Engineer
- Systems Analyst
- 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
 - Applications Integrator
 - Computer Software Engineer
 - Network Systems and Data Communication Analyst
 - Programmer
 - Project Manager
 - Software Applications Engineer
 - Software Test Engineer
 - Systems Analyst

- Web Developer
- Web and Digital Communications
 - Applications Integrator
 - Computer User Support Specialist
 - Computer Systems Engineer, Architect
 - Software Test Engineer
 - Systems Analyst
 - Web Developer
 - Webmaster
- Law, Public Safety, Corrections and Security
 - Legal Services
 - Cyber Legal Advisor
- Manufacturing
 - Manufacturing Production Process Development
 - Programmer
- Science, Technology, Engineering and Mathematics
 - Engineering and Technology
 - Computer Hardware Engineer
 - Computer Programmer
 - Computer Software Engineer