

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+ 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 (6302/36 weeks)
- Cybersecurity in Food and Agriculture (8074/36 weeks)

Career Clusters, Career Pathways, and Occupations:

- Agriculture, Food and Natural Resources
 - Agribusiness Systems
 - Agricultural Commodity Broker
 - Agricultural Economist
- Business Management and Administration
 - Administrative Support
 - Administrative Assistant
 - Computer Operator
 - Data Entry Specialist
 - Information Assistant
 - Legal Assistant
 - Management Analyst

- Business Information Management
 - Account Executive
 - Administrative Assistant
 - Applications Integrator
 - Budget Analyst
 - Chief Executive Officer
 - Communications Equipment Operator
 - Computer Support Specialist
 - Cost Analyst
 - Customer Service Representative
 - Data Entry Specialist
 - Database Analyst
 - Desktop Publisher
 - Executive Assistant
 - Financial Analyst
 - Front Office Assistant
 - Information Assistant
 - Legal Assistant
 - Maintenance Technician
 - Management Analyst
 - Market Research Analyst
 - Marketing Manager
 - Records Processing Assistant
 - Software Test Engineer
 - Systems Analyst
 - Technical Writer
 - Word Processor
- General Management
 - Management Analyst
- Human Resources Management
 - Compliance Officer
- Operations Management
 - Administrative Services Manager
 - Billing Manager
 - Chief Operating Officer
 - General Manager
 - Internet Entrepreneur
 - Management Analyst
- Education and Training
 - Teaching and Training
 - Training Consultant/Training Specialist
- Government and Public Administration
 - National Security
 - Combat Specialty Officer
 - Cyber Defense Analyst
 - Military Enlisted Personnel

- Military Intelligence Specialist
 - Military Officer
 - Special Forces Personnel
 - Public Management and Administration
 - Government Accountant/Auditor
 - Regulation
 - Compliance Officer
 - Cyber Crime Investigator
 - Environmental Compliance Inspector
 - Financial Analyst
 - Financial Manager
 - Privacy Compliance Manager
 - Revenue and Taxation
 - Compliance Officer
 - Financial Analyst
 - Financial Manager
- Information Technology
 - Information Support and Services
 - Account Executive
 - Administrative Assistant
 - Applications Integrator
 - Communications Equipment Operator
 - Computer Numerical Control Programmer (CNC Programmer)
 - Computer Support Specialist
 - Computer Systems Engineer, Architect
 - Customer Service Representative
 - Data Entry Specialist
 - Data Modeler
 - Database Administrator
 - Database Analyst
 - Executive Assistant
 - Geographic Information Systems (GIS) Technician
 - Information Systems Analyst
 - Information Systems Security Developer
 - Information Systems Security Manager
 - Instructional Coordinator
 - Internet Entrepreneur
 - Maintenance Technician
 - Network Systems and Data Communication Analyst
 - Software Test Engineer
 - Systems Analyst
 - Technical Writer
 - Word Processor
 - Network Systems
 - Computer and Information Systems Administrator
 - Computer Operator

- Computer Security Specialist
 - Computer Software Engineer
 - Computer Support Specialist
 - Computer Systems Engineer, Architect
 - Database Analyst
 - Information Security Analyst
 - Network and Computer Systems Administrator
 - Network Architect
 - Network Systems and Data Communication Analyst
 - Radio, TV Broadcast Technician
 - Software Test Engineer
 - Sound Engineering Technician
 - Systems Analyst
 - Telecommunications Equipment Installer, Repairer
 - Telecommunications Specialist
- Programming and Software Development
 - Applications Integrator
 - Computer Software Engineer
 - Informatics Nurse Specialists
 - Multimedia Artist, Animator
 - 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 Support Specialist
 - Computer Systems Engineer, Architect
 - Game Designer, Programmer
 - Graphic Designer
 - Instructional Coordinator
 - Multimedia Artist, Animator
 - Project Manager
 - Radiologic Technologist, Radiographer
 - Software Test Engineer
 - Systems Analyst
 - Web Developer
 - Webmaster
- Law, Public Safety, Corrections and Security
 - Legal Services
 - Cyber Legal Advisor
- Manufacturing
 - Manufacturing Production Process Development

- Network Designer
 - Precision Inspector, Tester, or Grader
 - Production Manager
 - Programmer
 - SPC (Statistical Process Control) Coordinator
- Quality Assurance
 - Calibration Technician
 - Precision Inspector, Tester, or Grader
 - Quality Control Technician
 - SPC (Statistical Process Control) Coordinator
- Science, Technology, Engineering and Mathematics
 - Engineering and Technology
 - Computer Hardware Engineer
 - Computer Programmer
 - Computer Software Engineer
- Transportation, Distribution and Logistics
 - Logistics Planning and Management Services
 - Logistics Analyst
 - Logistics Engineer
 - Logistics Manager