Industry Credentials, Concentration Sequences, and Career Clusters

Computer Information Systems (6612)

Industry Credentials:

These apply only to 36-week courses

- Cloud Essentials+ Certification Examination
- College and Work Readiness Assessment (CWRA+)
- College Level Examination Program (CLEP): Information Systems and Computer Applications
- IC3 Digital Literacy Certification Examinations
- Interactive Media Assessment
- Microsoft Certified Fundamentals Examinations: 365 Fundamentals
- Microsoft Certified Fundamentals Examinations: Azure AI Fundamentals
- Microsoft Certified Fundamentals Examinations: Azure Data Fundamentals
- Microsoft Certified Fundamentals Examinations: Azure Fundamentals
- Microsoft Certified Fundamentals Examinations: Power Platform Fundamentals
- Microsoft Office Specialist (MOS) Examinations
- National Career Readiness Certificate Assessment
- 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.*

- Accounting
- Accounting, Advanced
- Business Law (18 Weeks)
- Business Law (36 Weeks)
- Business Management (18 Weeks)
- Business Management (36 Weeks)
- Computer Information Systems, Advanced (18 Weeks)

- Computer Information Systems, Advanced (36 Weeks)
- Computer Network Software Operations
- Computer Network Software Operations, Advanced
- Cybersecurity Operations
- Database Design and Management (Oracle)
- Design, Multimedia, and Web Technologies (18 Weeks)
- Design, Multimedia, and Web Technologies (36 Weeks)
- Design, Multimedia, and Web Technologies, Advanced (18 Weeks)
- Design, Multimedia, and Web Technologies, Advanced (36 Weeks)
- Digital Applications (18 Weeks)
- Digital Applications (36 Weeks)
- Entrepreneurship
- Entrepreneurship, Advanced
- Information Technology Fundamentals
- International Baccalaureate Business Management
- International Baccalaureate Information Technology in a Global Society
- Java Programming (Oracle)
- Legal Administration (18 Weeks)
- Legal Administration (36 Weeks)
- Medical Administration (18 Weeks)
- Medical Administration (36 Weeks)
- Office Administration (18 Weeks)
- Office Administration (36 Weeks)
- Office Specialist III-Preparation
- Office Specialist II-Preparation
- Office Specialist I-Preparation
- Principles of Business and Marketing (18 Weeks)
- Principles of Business and Marketing (36 Weeks)
- Programming
- Programming, Advanced

Career Clusters, Career Pathways, and Occupations:

- Arts, A/V Technology and Communications
  - Audio and Video Technology and Film
    - Audio and Video Equipment Technician
    - Audio-Video Designer, Engineer
  - Journalism and Broadcasting

- Art Director
- Broadcast Technician
- Editor
- Program Director
- Radio, TV Announcer
- Radio, TV Reporter
- Performing Arts
  - Cinematographer
  - Costume Designer
  - Lighting Designer
  - Technical Director
  - Video, Film Editor
- Printing Technology
  - Desktop Publisher
  - Job Printer
  - Prepress Technician
  - Press Operator
  - Production, Planning, Expediting Clerk
- Telecommunications
  - Network Systems and Data Communication Analyst
- Business Management and Administration
  - Administrative Support
    - Administrative Assistant
    - Court Reporter
    - Dispatcher
    - Executive Assistant
    - Medical Transcriptionist
    - Office Manager
  - Business Information Management
    - Administrative Assistant
    - Budget Analyst
    - Communications Equipment Operator
    - Desktop Publisher
    - Executive Assistant
    - Office Manager
  - General Management
    - Entrepreneur
    - General Manager

- - - Meeting and Convention Planner
    - Office Manager
    - Purchasing Manager
  - Operations Management
    - Administrative Services Manager
    - Billing Manager
    - Copy Writer
    - General Manager
    - Purchasing Manager
    - Shipping and Receiving Clerk
- Information Technology
  - Information Support and Services
    - Account Executive
    - Computer User Support Specialist
    - Customer Service Representative
    - Instructional Coordinator
    - Technical Writer
  - Network Systems
    - Computer Software Engineer
    - Computer User Support Specialist
    - Computer and Information Systems Administrator
    - Database Analyst
    - Network Systems and Data Communication Analyst
    - Telecommunications Specialist
- Marketing
  - Marketing Management
    - Advertising and Promotions Manager
    - Art Director
    - Brand Manager
    - Chief Executive Officer
    - Entrepreneur
    - Franchisee
    - General Manager
    - Internet Entrepreneur
    - Marketing Communication Manager
    - Marketing Manager
    - Media Planner, Buyer
    - Multimedia Artist, Animator

- - - Public Information Director
    - Public Relations Manager
    - Retail Manager
    - Shipping and Receiving Clerk
- Science, Technology, Engineering and Mathematics
  - Engineering and Technology
    - Computer Hardware Engineer
    - Computer Programmer
    - Computer Software Engineer
    - Network Systems and Data Communication Analyst
    - Network and Computer Systems Administrator
    - Production, Planning, Expediting Clerk
    - Project Manager
    - Stockroom, Warehouse, or Storage Yard Stock Clerk
    - Technical Writer
    - Telecommunications Specialist
    - Transportation Manager
- Transportation, Distribution and Logistics
  - Health, Safety, and Environmental Management
    - Health, Safety, and Environment Manager
  - Sales and Service
    - Billing Clerk
    - Dispatcher
    - Office Manager
    - Parts Sales Representative
    - Statement Clerk
    - Customer Service Representative