

# Industry Credentials, Concentration Sequences, and Career Clusters

## Information Technology Fundamentals (6670)

### Industry Credentials:

*These apply only to 36-week courses.*

- Business Information Processing Assessment
- Cloud Essentials Certification Examination
- College and Work Readiness Assessment (CWRA+)
- IC3 Digital Literacy Certification Examination
- Microsoft 365 Fundamentals Examination
- Microsoft Certified Azure Fundamentals Examination
- Microsoft Dynamics 365 Fundamentals Examination
- Microsoft Office Specialist (MOS) Examinations
- National Career Readiness Certificate Assessment
- Network Pro Certification Examination
- PC Pro Certification Examination
- 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.*

- Computer Information Systems (6612/36 weeks)
- Computer Information Systems (6614/18 weeks)
- Computer Information Systems, Advanced (6613/36 weeks)
- Computer Information Systems, Advanced (6615/18 weeks)
- Computer Network Software Operations (6650/36 weeks)
- Computer Network Software Operations, Advanced (6651/36 weeks)
- Cybersecurity Software Operations (6304/36 weeks)
- Database Design and Management (Oracle) (6660/36 weeks)
- Design, Multimedia, and Web Technologies (6630/36 weeks)

- Design, Multimedia, and Web Technologies (6632/18 weeks)
- Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
- Design, Multimedia, and Web Technologies, Advanced (6633/18 weeks)
- Digital Applications (6611/36 weeks)
- Digital Applications (6617/18 weeks)
- International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
- Java Programming (Oracle) (6661/36 weeks)
- Legal Administration (6736/18 weeks)
- Legal Administration (6735/36 weeks)
- Medical Administration (6731/18 weeks)
- Medical Administration (6730/36 weeks)
- Office Administration (6621/36 weeks)
- Office Administration (6622/18 weeks)
- Office Specialist I--Preparation (6740/36 weeks)
- Office Specialist II--Preparation (6741/36 weeks)
- Office Specialist III--Preparation (6742/36 weeks)
- Programming (6640/36 weeks)
- Programming, Advanced (6641/36 weeks)

### **Career Clusters, Career Pathways, and Occupations:**

- Information Technology
  - Information Support and Services
    - Administrative Assistant
    - Computer Support Specialist
    - Customer Service Representative
    - Maintenance Technician
  - Network Systems
    - Computer and Information Systems Administrator
    - Computer Security Specialist
    - Computer Support Specialist
    - Network and Computer Systems Administrator
    - Telecommunications Specialist
  - Web and Digital Communications
    - Computer Support Specialist
- Science, Technology, Engineering and Mathematics
  - Engineering and Technology
    - Computer Hardware Engineer
    - Computer Programmer
    - Computer Software Engineer
    - Network and Computer Systems Administrator
    - Network Systems and Data Communication Analyst
    - Production, Planning, Expediting Clerk
    - Project Manager

- Stockroom, Warehouse, or Storage Yard Stock Clerk
- Technical Writer
- Telecommunications Specialist
- Transportation Manager