

Industry Credentials, Concentration Sequences, and Career Clusters

Java Programming (Oracle) (6661)

Industry Credentials:

These apply only to 36-week courses.

- Certified Internet Web (CIW) Advanced HTML 5 and CSS 3 Specialist Examination
- Certified Internet Web (CIW) Data Analyst Examination
- Certified Internet Web (CIW) Database Design Specialist Examination
- Certified Internet Web (CIW) E-Commerce Services Specialist Examination
- Certified Internet Web (CIW) Internet Business Associate Examination
- Certified Internet Web (CIW) JavaScript Specialist Examination
- Certified Internet Web (CIW) Network Technology Associate Examination
- Certified Internet Web (CIW) Site Development Associate Examination
- Certified Internet Web (CIW) Social Media Strategist Examination
- Certified Internet Web (CIW) User Interface Designer Examination
- Certified Internet Web (CIW) Web Design Specialist Examination
- Certified Internet Web (CIW) Web Security Specialist Examination
- Cloud Essentials Certification Examination
- College and Work Readiness Assessment (CWRA+)
- Computer Programming Assessment
- IC3 Digital Literacy Certification Examination
- Microsoft 365 Fundamentals Examination
- Microsoft Certified Azure Fundamentals Examination
- Microsoft Dynamics 365 Fundamentals Examination
- Microsoft Office Specialist (MOS) Examinations
- Microsoft Technology Associate (MTA) Examinations
- National Career Readiness Certificate Assessment
- Oracle Certified Associate Examinations
- Oracle Database Design and Programming with SQL Examination
- Oracle Programming with PL/SQL 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)
- Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
- Digital Applications (6611/36 weeks)
- Digital Applications (6617/18 weeks)
- Information Technology Fundamentals (6670/36 weeks)
- International Baccalaureate Information Technology in a Global Society (IB6613/36 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
 - Computer Support Specialist
 - Computer Systems Engineer, Architect
 - Database Administrator
 - Database Analyst
 - Network Systems and Data Communication Analyst
 - Software Test Engineer
 - Network Systems
 - Computer and Information Systems Administrator
 - Computer Support Specialist
 - Computer Systems Engineer, Architect
 - Database Analyst
 - Network Systems and Data Communication Analyst
 - Software Test Engineer
- 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