Industry Credentials, Concentration Sequences, and Career Clusters

Data Design and Management (6660)

Industry Credentials:

These apply only to 36-week courses.

- 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
- Microsoft Technology Associate (MTA) Examinations
- National Career Readiness Certificate Assessment
- Oracle Certified Associate Examinations
- Oracle Database Design and Programming with SQL Examination
- Oracle Programing 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 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)
- Java Programming (Oracle) (6661/36 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