

# Industry Credentials, Concentration Sequences, and Career Clusters

## International Baccalaureate Information Technology in a Global Society (IB6613)

### Industry Credentials:

*These apply only to 36-week courses*

- Cloud Essentials+ Certification Examination
- College and Work Readiness Assessment (CWRA+)
- International Baccalaureate Information Technology in a Global Society (Standard Level) Certificate
- 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: Access (Expert Level)
- Microsoft Office Specialist (MOS) Examinations: Access Associate
- Microsoft Office Specialist (MOS) Examinations: Excel (Associate Level)
- Microsoft Office Specialist (MOS) Examinations: Excel (Expert Level)
- Microsoft Office Specialist (MOS) Examinations: Outlook (Associate Level)
- Microsoft Office Specialist (MOS) Examinations: PowerPoint (Associate Level)
- Microsoft Office Specialist (MOS) Examinations: Word (Associate Level)
- Microsoft Office Specialist (MOS) Examinations: Word (Expert Level)
- 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.*

- Accounting
- Accounting, Advanced
- Business Law (18 Weeks)
- Business Law (36 Weeks)
- Business Management (18 Weeks)
- Business Management (36 Weeks)
- Computer Information Systems (18 Weeks)
- Computer Information Systems (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)
- Database Design and Management with PL/SQL (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)
- Information Technology Fundamentals
- 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:**

- Business Management and Administration
  - Business Information Management
    - Account Executive
    - Applications Integrator
    - Database Analyst
    - Software Test Engineer
    - Systems Analyst
- Information Technology
  - Information Support and Services
    - Account Executive
    - Applications Integrator
    - Database Analyst
    - Information Systems Analyst
    - Software Test Engineer
    - Systems Analyst
- 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