# Industry Credentials, Concentration Sequences, and Career Clusters

# Design, Multimedia, and Web Technologies (6630, 6632)

## Industry Credentials:

*These apply only to 36-week courses.*

- Adobe Certified Associate (ACA) Examinations
- App Development with Swift Level 1 Examination
- Avid Certified Professional for Media Composer Certification Examination
- Avid Certified User for Media Composer Certification Examination
- AWS Certified Cloud Practitioner Certification Examination
- 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
- Code HS Level 1 Certification Examinations
- College and Work Readiness Assessment (CWRA+)
- Communication Skills for Business Examination
- Computer Programming Assessment
- IC3 Digital Literacy Certification Examination
- Interactive Media Assessment
- 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
- Web Design 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 (6320/36 weeks)
- Accounting, Advanced (6321/36 weeks)
- Business Law (6131/36 weeks)
- Business Law (6132/18 weeks)
- Business Management (6135/36 weeks)
- Business Management (6136/18 weeks)
- 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)
- 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)
- Information Technology Fundamentals (6670/36 weeks)
- International Baccalaureate Business Management (IB6135/36 weeks)
- International Baccalaureate Information Technology in a Global Society (IB6613/36 weeks)
- Legal Administration (6736/18 weeks)
- Legal Administration (6735/36 weeks)
- Medical Administration (6731/18 weeks)
- Medical Administration (6730/36 weeks)
- Office Administration (6622/18 weeks)
- Office Administration (6621/36 weeks)
- Office Specialist I--Preparation (6740/36 weeks)
- Office Specialist II--Preparation (6741/36 weeks)
- Office Specialist III--Preparation (6742/36 weeks)
- Principles of Business and Marketing (6116/18 weeks)
- Principles of Business and Marketing (6115/36 weeks)
- Programming (6640/36 weeks)
- Programming, Advanced (6641/36 weeks)

# Career Clusters, Career Pathways, and Occupations:

- Arts, Audio/Video Technology and Communications
  - Audio and Video Technology and Film
    - Audio and Video Equipment Technician
    - Audio-Video Designer, Engineer
    - Editor
    - Graphic Designer
    - Multimedia Artist, Animator
    - Producer
    - Sound Engineering Technician
    - Videographer
  - Journalism and Broadcasting
    - Art Director
    - Broadcast Technician
    - Editor
    - Program Director
    - Radio, TV Announcer
    - Radio, TV Reporter
  - Printing Technology
    - Desktop Publisher
    - Job Printer
    - Prepress Technician
    - Press Operator
    - Production, Planning, Expediting Clerk
  - Visual Arts
    - Commercial Photographer
    - Costume Designer
    - Fashion Designer
    - Fashion Illustrator
    - Graphic Designer
    - Illustrator
    - Interior Designer
    - Media Planner, Buyer
    - Multimedia Artist, Animator
    - Photographic Process Technician
    - Textile Designer
- Information Technology
  - Information Support and Services
    - Account Executive
    - Administrative Assistant
    - Applications Integrator
    - Communications Equipment Operator
    - Computer Support Specialist
    - Computer Systems Engineer, Architect

- Customer Service Representative
- Data Entry Specialist
- Data Modeler
- Database Administrator
- Database Analyst
- Executive Assistant
- Front Office Assistant
- Geographic Information Systems (GIS) Technician
- Information Systems Analyst
- Instructional Coordinator
- Internet Entrepreneur
- Maintenance Technician
- Medical Transcriptionist
- Multimedia Artist, Animator
- Network Systems and Data Communication Analyst
- Paralegal
- Receptionist
- Records Processing Assistant
- Software Test Engineer
- Systems Analyst
- Technical Writer
- Word Processor
  - Web and Digital Communications
    - Applications Integrator
    - Computer Support Specialist
    - Computer Systems Engineer, Architect
    - Game Designer, Programmer
    - Graphic Designer
    - Instructional Coordinator
    - Multimedia Artist, Animator
    - Project Manager
    - Radiologic Technologist, Radiographer
    - Software Test Engineer
    - Systems Analyst
    - Web Developer
    - Webmaster
- Science, Technology, Engineering and Mathematics
  - Engineering and Technology
    - Architect
    - Assembler
    - Civil Engineering Technician
    - Commercial and Industrial Designer
    - Computer Hardware Engineer
    - Computer Programmer
    - Computer Software Engineer
    - Engineering Technician

- Industrial Engineering Technician
- Landscape Architect
- Machine Setter, Operator
- Materials Engineer
- Mechanical Drafter
- Mechanical Engineering Technician
- Network and Computer Systems Administrator
- Network Systems and Data Communication Analyst
- Production, Planning, Expediting Clerk
- Project Manager
- Quality Technician
- Statistician
- Stockroom, Warehouse, or Storage Yard Stock Clerk
- Systems Analyst
- Technical Writer
- Telecommunications Specialist
- Transportation Manager