

Industry Credentials, Concentration Sequences, and Career Clusters

Game Design and Development, Advanced (8401)

Industry Credentials:

These apply only to 36-week courses

- Unity Certified User Examinations
- 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.*

- Game Design and Development
- Java Programming (Oracle)
- Programming
- Programming, Advanced

Career Clusters, Career Pathways, and Occupations:

- Arts, A/V Technology and Communications
 - Audio and Video Technology and Film
 - Audio-Video Designer, Engineer
 - Graphic Designer
 - Multimedia Artist, Animator
 - Sound Engineering Technician
 - Journalism and Broadcasting
 - Art Director
 - Telecommunications
 - Computer Programmer
 - Visual Arts

- Graphic Designer
 - Illustrator
 - Media Planner, Buyer
 - Multimedia Artist, Animator
- Education and Training
 - Professional Support Services
 - Instructional Developer
 - Teaching and Training
 - Training Consultant/Training Specialist
- Information Technology
 - Information Support and Services
 - Applications Integrator
 - Computer User Support Specialist
 - Data Modeler
 - Multimedia Artist, Animator
 - Software Test Engineer
 - Technical Writer
 - Network Systems
 - Computer Software Engineer
 - Software Test Engineer
 - Sound Engineering Technician
 - Programming and Software Development
 - Applications Integrator
 - Computer Software Engineer
 - Game Designer, Programmer
 - Programmer
 - Project Manager
 - Software Applications Engineer
 - Software Test Engineer
 - Web and Digital Communications
 - Applications Integrator
 - Game Designer, Programmer
 - Graphic Designer
 - Multimedia Artist, Animator
 - Project Manager
- Science, Technology, Engineering and Mathematics
 - Engineering and Technology
 - Computer Programmer

- Computer Software Engineer
- Engineer
- Engineering Manager
- Quality Engineer
- Technical Writer