

# 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