



## INTERACTIVE & MULTIMEDIA TECHNOLOGIES

Associate in Science Degree & Certificate Requirements

### INTERACTIVE & MULTIMEDIA TECHNOLOGIES

Interactive and Multimedia Technologies play an important role in today's communications industry as well as applications in business, education, entertainment, and telecommunications. Designing and producing effective presentations which combine graphics, text, sound, music, video and animation requires an imaginative blend of art, science, technology, and communications skills. The Interactive and Multimedia Technologies program prepares students to undertake professional practice upon completion, or to undertake advanced studies at the university level. It offers students professional, hands-on instruction.

### CAREER OPPORTUNITIES

Career opportunities include the following: authoring and scripting, film and video animation, computer animation, multimedia and video art, audio and video editing, graphic design, interface design, CD-ROM title development, game development, instructional design, training, media coordination, corporate communications, marketing and sales.

### UNITS REQUIRED FOR MAJOR: 50

### UNITS REQUIRED FOR CERTIFICATE(S): 23-50

### ASSOCIATE DEGREE REQUIREMENTS:

- English proficiency: ENGL 1A, ESL 26 or equivalent.
- Mathematics proficiency: MATH 103/105 or equivalent.

A minimum of 90 units required to include:

- All General Education requirements
- Core courses (35 Units)
- Programming courses (5 Units)
- Electives (10 Units)

**NOTE:** All courses pertaining to the major must be taken for a letter grade. In addition, a GPA of 2.0 or higher is required in all Core and Support courses for the Degree or Certificates. 50% of the major Units must be taken within Computers, Technology and Information Systems Division.

### CORE COURSES: 35 Units

- COIN 51 Internet Technology & Applications (5 Units)
- GID 74 Digital Art & Graphics (4 Units)
- GID 71 Storyboarding (4 Units)
- CAST 52A Introduction to Macromedia Flash (5 Units)
- CAST 52B Advanced Macromedia Flash (5 Units)
- GID 80 Digital Sound, Video & Animation (4 Units)
- CAST 70D 3D Modeling & Animation for Multimedia (4 Units)
- CAST 70C Interactive Multimedia Project (4 Units)

### SUPPORT COURSES: 5 Units

#### Programming Courses (select 5 Units)

- CIS 1 Introduction to Computer Science (5 Units)
- CIS 12A Introduction to Visual Basic.NET Programming (5 Units)

- CIS 12C Intermediate Visual Basic.NET Programming (5 Units)
- CIS 15A Computer Science I: C++ (5 Units)
- CIS 27A Computer Science I: JAVA (5 Units)
- COIN 70A Introduction to Programming Using JavaScript (5 Units)
- or COIN 70B Using JavaScript (5 Units)

### ELECTIVE COURSES: 10 Units

- CAST 52B Advanced Macromedia Flash (5 Units)
- CAST 92A Introduction to Adobe Photoshop (4 Units)
- CAST 93A PowerPoint: Effective Presentations (4 Units)
- COIN 61 Publishing on the Web Using HTML/XHTML (5 Units)
- GID 20 Digital Video Production I (4 Units)
- GID 50 Graphic Design Studio I (4 Units)
- GID 84 Motion Graphics (4 Units)
- GID 56 Web Site Design (4 Units)

### CERTIFICATE INFORMATION:

#### Interactive & Multimedia Technologies: Certificate of Achievement (50 Units)

This certificate requires the following:

- English proficiency: ENGL 1A, ESL 26, or equivalent.
- Mathematics proficiency: MATH 103/105 or equivalent.
- Core courses (35 Units)
- Programming courses (5 Units)
- Electives (10 Units)

#### Interactive & Multimedia Technologies Skills Certificate (23 Units)

- GID 60 Careers in the Visual Arts (2 Units)
- GID 74 Digital Art & Graphics (4 Units)
- CAST 70B Multimedia Design & Authoring (4 Units)
- GID 71 Storyboarding (4 Units)
- CAST 52A Introduction to Macromedia Flash (5 Units)
- GID 80 Digital Sound, Video & Animation (4 Units)

#### Web-Based Multimedia Skills Certificate (25 Units)

- COIN 61 Publishing on the Web Using HTML/XHTML (5 Units)
- COIN 76 Web Publishing Tools: Multimedia (5 Units)
- CAST 52A Introduction to Macromedia Flash (5 Units)
- CAST 52B Advanced Macromedia Flash (5 Units)
- COIN 84 Special Web Projects (5 Units)

### Academic Year 2008-2009