Digital Media

A.A. Degrees and Certificates of Achievement

- Digital Art and Imaging Option
- Digital Audio/Video Option
- Interactive Media & Authoring Option

Certificates of Proficiency

- Digital Imaging/Graphics Production Specialist
- Digital Print Production Specialist
- Digital Video Editor Specialist
- Web Page Production Specialist

Digital Media is the use of computer technology in communication: to create, manipulate, and combine different media whether it be text (words, equations), graphics (photography, art and design images, charts and graphs, animation), audio (spoken words, music, sound effects) and video (motion picture/film, animation, visual effects) sometimes with links (connections) that let the user navigate, interact, create, and communicate.

Gavilan College has developed this Digital Media program complete with state of the art technology and studio to provide students with the opportunity to acquire or enhance job skills in this contemporary art, satisfy major requirements for transferring to a college or university, or for personal enrichment in an exciting technology-based field that is changing our lives on a daily basis.

Gavilan’s students studying Digital Media learn fundamental concepts and complex techniques applicable to digital media; related programs in multimedia, new media, digital film/video, digital art; and almost any other work situation in this technologically equipped world in which we live. A variety of degree and certificate options are provided so that one may pursue their desired specialty within this truly multidisciplinary field.

Contact:
(408) 848-4719
cte@gavilan.edu
DIGITAL MEDIA CORE COURSES  The following core courses are required for the Digital Art and Imaging, Digital Audio/Video and Interactive Media and Authoring Associate’s Degree and Certificate of Achievement options. Additional requirements for each option are listed alphabetically in the following pages.

<table>
<thead>
<tr>
<th>CORE COURSES</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ART/CSIS/DM 77</td>
<td>3</td>
</tr>
<tr>
<td>ART 11</td>
<td>3</td>
</tr>
<tr>
<td>Choose one:</td>
<td></td>
</tr>
<tr>
<td>CSIS/DM/LIB 6</td>
<td>2</td>
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<tr>
<td>ART/CSIS/DM 85</td>
<td>2</td>
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<tr>
<td>CSIS/DM 75</td>
<td>3</td>
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<tr>
<td>ART/CSIS/DM 107</td>
<td>2</td>
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<tr>
<td>ART/CSIS/DM 114</td>
<td>2</td>
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</tbody>
</table>

Total Core: 15 UNITS

Program Learning Outcomes: After completing the A.A. degree or Certificate of Achievement in Digital Media a student will:
- analyze the relationship of aesthetics, content, user needs and/or interactivity of projects suitable for implementing and using digital media or order to synthesize a design, produce development guidelines incorporating techniques such as storyboards and flow charts and render their design using good design principles and contemporary digital technology.
- be able to perform and communicate ideas within a team environment and contribute significant work related to their option area of study.

Digital Art and Imaging Option  A.A. Degree or Certificate of Achievement

To receive an ASSOCIATE’S DEGREE complete:
- CORE COURSES (listed above).
- ADDITIONAL REQUIREMENTS listed below.
- GENERAL EDUCATION REQUIREMENTS (Gavilan, IGETC or CSU pattern), plus sufficient electives to meet a 60 unit total. See pages 47-57.

CORE COURSES: .............................................................. 15 units

ADDITIONAL REQUIREMENTS:
Choose 9 units from the following list:
- ART 2A Two Dimensional Design (3 units)
- ART/DM 48A Computer Art I (3 units)
- ART/DM 48B Computer Art II (3 units)
- DM 60 3D Animation I (3 units)
- DM 61 3D Animation II (3 units)
- ART/CSIS/DM 74 Advanced Photoshop (3 units)
- ART/CSIS/DM 76 Digital Illustration (3 units)
- ART/CSIS/DM 80 Digital Photography (3 units)
- CSIS/DM 109 Interactive Animation: Director (3 units)
- ART/CSIS/DM 110 Interactive Animation: Flash (3 units)
- ART/CSIS/DM 117 Visual Effects/Motion Graphics (3 units)

.............................................................. 9 units

Elective course in any other DM option area: ........................................ 3 units

Total Units Required: 27 UNITS

This degree or certificate of achievement will enable a graduate to obtain jobs as a digital photographer, animator, or graphic designer/artist for computer games, motion graphics, the web, CD-ROMs, DVDs, and digital print.

Program Learning Outcome: After completing this option a student will demonstrate an ability to use Digital Media technology and concepts to design, produce, and integrate aesthetically pleasing 2D/3D visual and animated material for film, video, web pages, CD/DVDs, video games or digital print.

NOTE: A course may be used to satisfy both general education and major courses. See “Double Counting Rule” on page 41.
Digital Audio/Video Option

A.A. Degree or Certificate of Achievement

To receive an ASSOCIATE’S DEGREE complete:

- CORE COURSES (listed on page 108).
- ADDITIONAL REQUIREMENTS listed below.
- GENERAL EDUCATION REQUIREMENTS (Gavilan, IGETC or CSU pattern), plus sufficient electives to meet a 60 unit total. See pages 47-57.

To receive a CERTIFICATE OF ACHIEVEMENT complete:

- CORE COURSES (listed on page 108).
- ADDITIONAL REQUIREMENTS listed below.

CORE COURSES: ................................................................. 15 units

ADDITIONAL REQUIREMENTS:

- Choose 9 units from the following list:
  - ART 2A Two Dimensional Design (3 units)
  - DM 60 3D Animation I (3 units)
  - DM 111 Sound Design for Digital Media (3 units)
  - ART/CSIS/DM 113 Introduction to Digital Video (3 units)
  - ART/CSIS/DM 116 DVD Authoring (2 units)
  - ART/CSIS/DM 117 Visual Effects/Motion Graphics (3 units)
  - HUM 25A Film Production (3 units)
  - MUS 21 Electronic Music/Sound Design (3 units)
  - THEA/MCTV 16 Television History and Practice (3 units)
  - THEA/MCTV 17A or THEA/MCTV 17B Television and Video Workshop (3 units)
  - THEA 98 Special Topics: GavTV Production (1-2 units)

Elective course in any other DM option area ........................................... 3 units

Total Units Required: ........................................................................ 27 UNITS

This degree or certificate of achievement will enable a graduate to obtain jobs as a digital audio/video editor, web streaming media producer, podcast specialist, videographer, or sound designer for games, animation, or film/video.

Program Learning Outcomes: After completing this option a student will be able to:

- create and produce time-based visual art and sound.
- analyze project definitions (including scripts or storyboards) in order to (using digital technology) creatively and logically edit video; design sound and motion graphics for broadcast or to be incorporated into web sites, CD/DVDs, video/film, video games, or cell phones.

NOTE: A course may be used to satisfy both general education and major courses. See "Double Counting Rule" on page 41.

The certificate will enable a graduate to obtain entry level jobs as a digital audio/video producer/director, video or sound editor, web streaming media designer/producer.
Interactive Media and Authoring Option  

**A.A. Degree or Certificate of Achievement**

To receive an ASSOCIATE’S DEGREE complete:
- CORE COURSES (listed on page 108).
- ADDITIONAL REQUIREMENTS listed below.
- GENERAL EDUCATION REQUIREMENTS (Gavilan, IGETC or CSU pattern), plus sufficient electives to meet a 60 unit total. See pages 47-57.

**CORE COURSES:** ................................................................. .15 units

**ADDITIONAL REQUIREMENTS:**

Choose 9 units from the following:

- DM 60  3D Animation I (3 units)
- CSIS/DM 109  Interactive Animation and Authoring: Director (3 units)
- ART/CSIS/DM 110  Interactive Animation: Flash (3 units)
- ART/CSIS/DM 116  DVD Authoring (2 units)
- CSIS 24  Java Programming I (4 units)
- CSIS 45  C++ Programming I (4 units)
- CSIS 56  Game Programming (3 units)
- CSIS 84  JavaScript Programming (2 units)
- CSIS 151  Introduction to XML Authoring (3 units)

Choose only one of the following two courses:

- ART/CSIS/DM 85  Web Design I: Dreamweaver (2 units)
- CSIS/DM 7  Web Page Authoring II (2 units)

................................................................. .9 units

Elective course in any other DM option area .............................................. .3 units

Total Units Required: ........................................... 27 UNITS

This degree or certificate of achievement will enable a graduate to obtain jobs as a web designer, web architect, information designer, webmaster; CD-ROM, DVD, or video game designer/developer.

**Program Learning Outcomes:** After completing this option a student will be able to:
- analyze requirements and proposals for an interactive project.
- describe the relationship of content elements and synthesize aesthetic interactive projects such as video games, web sites, CD/DVD, educational multimedia, or interactive TV in line with current theories in human cognition.

The certificate will enable a graduate to obtain entry level jobs as a web designer, web architect, information designer, webmaster; CD-ROM, DVD, or video game designer/developer.

**NOTE:** A course may be used to satisfy both general education and major courses. See “Double Counting Rule” on page 41.
Digital Imaging/Graphics Production Specialist  
Certificate of Proficiency

Does NOT require completion of core courses.

**REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ART 2A</td>
<td>Two Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>CSIS/DM 75</td>
<td>PhotoShop I - Adobe PhotoShop</td>
<td>3</td>
</tr>
<tr>
<td>ART/CSIS/DM 76</td>
<td>Digital Illustration</td>
<td>3</td>
</tr>
<tr>
<td>ART/CSIS/DM 77</td>
<td>Introduction To Digital Media</td>
<td>3</td>
</tr>
</tbody>
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Choose one:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ART/CSIS/DM 114</td>
<td>Digital Media Production (2 units)</td>
<td></td>
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<tr>
<td>JOUR 18A</td>
<td>Working on the Newspaper (2 units)</td>
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<tr>
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<tbody>
<tr>
<td>ART 8A</td>
<td>Beginning Photography from Analog to Digital (3 units)</td>
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<tr>
<td>ART/DM 48A</td>
<td>Computer Art I (3 units)</td>
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<tr>
<td>ART/DM 48B</td>
<td>Computer Art II (3 units)</td>
<td></td>
</tr>
<tr>
<td>ART/CSIS/DM 80</td>
<td>Digital Photography (3 units)</td>
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<tr>
<td>ART/CSIS/DM 110</td>
<td>Interactive Animation: Flash (3 units)</td>
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<tr>
<td>CGD 110</td>
<td>Computer Graphics Lab (3 units)</td>
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Total Units Required for Certificate of Proficiency: 17 UNITS

Digital Print Production Specialist  
Certificate of Proficiency

Does NOT require completion of core courses.

**REQUIREMENTS:**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ART/CSIS/DM 77</td>
<td>Introduction to Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>CSIS 126</td>
<td>Word Processing - MS Word</td>
<td>2</td>
</tr>
<tr>
<td>CSIS 169</td>
<td>Adv. Word Processing w/Desktop Publishing - MS Word</td>
<td>2</td>
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Choose one:

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<tr>
<td>ART/CSIS/DM 114</td>
<td>Digital Media Production (2 units)</td>
<td></td>
</tr>
<tr>
<td>JOUR 18A</td>
<td>Working on the Newspaper (2 units)</td>
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Choose one:

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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>CSIS/DM 75</td>
<td>PhotoShop I - Adobe PhotoShop</td>
<td>3</td>
</tr>
<tr>
<td>ART/CSIS/DM 76</td>
<td>Digital Illustration</td>
<td>3</td>
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</table>

Choose one:

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<tr>
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<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSIS/DM 72</td>
<td>Desktop Publishing—QuarkXpress (3 units)</td>
<td></td>
</tr>
<tr>
<td>CGD 160</td>
<td>Technical Manual Desktop Publishing/Graphics (4 units)</td>
<td></td>
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</tbody>
</table>

Total Units Required for Certificate of Proficiency: 15-16 UNITS

This certificate will enable a graduate to obtain jobs preparing content and printing brochures, posters, catalogs, books, and other advertising material.
Digital Video Editor Specialist  Certificate of Proficiency

Does NOT require completion of core courses.

REQUIREMENTS:
ART/CSIS/DM 77  Introduction to Digital Media  ............................................. 3 units
ART/CSIS/DM 113  Digital Video/Audio  ............................................................ 3 units
THEA 98  Special Topics: GavTV Production  ................................................. 1-2 units

Choose one:
ART/CSIS/DM 117  Visual Effects/Motion Graphics  (3 units)
ART/CSIS/DM 110  Interactive Animation: Flash  (3 units)
MUS 21  Electronic Music/Sound Design  (3 units)
THEA/MCTV 16  Television History and Practice  (3 units)

........................................................................................................ 3 units

Choose one:
THEA/MCTV 17A  Television and Video Workshop  (3 units)
THEA/MCTV 17B  Television and Video Workshop  (3 units)

........................................................................................................ 3 units

Total Units Required for Certificate of Proficiency:  13-14 UNITS

This certificate will enable a graduate to obtain jobs working as a video/film editor's assistant, sound mixer, or visual effects assistant.

Web Page Production Specialist  Certificate of Proficiency

Does NOT require completion of core courses.

REQUIREMENTS:
CSIS/DM/LIB 6  Web Page Authoring I  ......................................................... 2 units
ART/CSIS/DM 77  Introduction to Digital Media  ............................................. 3 units
CSIS 126  Word Processing - MS Word  ...................................................... 2 units

Choose one:
ART/CSIS/DM 114  Digital Media Production  (2 units)
JOUR 18A  Working on the Newspaper  (2 units)

........................................................................................................ 2 units

Choose one:
CSIS/DM 7  Web Page Authoring II  (2 units)
ART/CSIS/DM 85  Web Design I: Dreamweaver  (2 units)

........................................................................................................ 2 units

Choose one:
ART/CSIS/DM 110  Interactive Animation: Flash  (3 units)
CSIS/DM 109  Interactive Animation & Authoring: Director  (3 units)

........................................................................................................ 3 units

Choose one:
CSIS/DM 75  Photoshop I - Adobe PhotoShop  (3 units)
JOUR 16A  Writing for Media  (3 units)

........................................................................................................ 3 units

Total Units Required for Certificate of Proficiency:  17 UNITS

This certificate will enable a graduate to obtain jobs maintaining web sites or assisting web designer/developer.

Engineering Program

Drywall Apprenticeship
See Apprenticeships on page 72.