

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



God of the Sea - Digital image by Jose Miguel Alvia.

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.

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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.

CORE COURSES

ART/CSIS/DM 77	Introduction to Digital Media	.....	.3	units
ART 11	Creativity, Imagination, and Innovation	.....	.3	units
Choose one:				
CSIS/DM/LIB 6	Web Page Authoring I	(2 units)		
ART/CSIS/DM 85	Web Design I: Dreamweaver	(2 units)		
		.....	.2	units
CSIS/DM 75	PhotoShop I - Adobe PhotoShop	.....	.3	units
ART/CSIS/DM 107	Digital Media Design	.....	.2	units
ART/CSIS/DM 114	Digital Media Team Production	.....	.2	units
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.

To receive a CERTIFICATE OF ACHIEVEMENT complete:

- ▶ **CORE COURSES** (listed above).
- ▶ **ADDITIONAL REQUIREMENTS** listed below.

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.



Music studio

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)	
	.....	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 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.



Digital Media Lab

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.

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:

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 area3 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:

ART 2A	Two Dimensional Design	.....	.3 units
CSIS/DM 75	PhotoShop I - Adobe PhotoShop	.....	.3 units
ART/CSIS/DM 76	Digital Illustration	.....	.3 units
ART/CSIS/DM 77	Introduction To Digital Media	.....	.3 units

Choose one:

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

Choose one:

ART 8A	Beginning Photography from Analog to Digital (3 units)	
ART/DM 48A	Computer Art I (3 units)	
ART/DM 48B	Computer Art II (3 units)	
ART/CSIS/DM 80	Digital Photography (3 units)	
ART/CSIS/DM 110	Interactive Animation: Flash (3 units)	
CGD 110	Computer Graphics Lab (3 units)	
	.....	.3 units

Total Units Required for Certificate of Proficiency: 17 UNITS



This certificate will enable a graduate to obtain jobs preparing graphics, touching up photos, and working with other artwork for print, video, animation, or web use.

Digital Print Production Specialist *Certificate of Proficiency*

Does NOT require completion of core courses.

REQUIREMENTS:

ART/CSIS/DM 77	Introduction to Digital Media	.....	.3 units
CSIS 126	Word Processing - MS Word	.....	.2 units
CSIS 169	Adv. Word Processing w/Desktop Publishing - 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 75	PhotoShop I - Adobe PhotoShop (3 units)	
ART/CSIS/DM 76	Digital Illustration (3 units)	
	.....	.3 units

Choose one:

CSIS/DM 72	Desktop Publishing—QuarkXpress (3 units)	
CGD 160	Technical Manual Desktop Publishing/Graphics (4 units)	
	.....	.3-4 units

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

This certificate will enable a graduate to obtain jobs working with graphic designers preparing content and printing brochures, posters, catalogs, books, and other advertising material.



Stamp Designs - Digital illustration by Polly Gariaeff.

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

See Physical Science & Engineering: pages 131-132.

Drywall Apprenticeship

See Apprenticeships on page 72.