

Digital Media Production

Program Coordinator: **Irwin Yamamoto**

Location: GT 112

Phone: (808) 455-0513

Email: iyamamot@hawaii.edu

CTE Counselor: **Blake Hunrick**

Location: GT 111

Phone: (808) 455-0243

Email: hunrick@hawaii.edu

Digital Media Production Degrees and Certificates

3D Animation: Certificate of Competence

Description

This certificate program meets the challenges of animation in a variety of global and local contexts. Students will experience the foundations of 3D animation by learning skills through projects designed to test their creativity and technical abilities.

Program Learning Outcomes

Upon completion of the program, students will be able to do the following:

- Create attention-grabbing communication animations for film, television, music videos, and the web while meeting industry standard specifications.
- Identify complex problems and review related information to develop and evaluate options and implement solutions.
- Demonstrate proficiency in the use of animation software and hardware.

Item #	Title	Credits
DMED 140	Principles of Animation	3
DMED 141	Introduction to 3D Animation	3
DMED 243	3D Modeling and Animation	3
	Sub-Total Credits	9

Total credits:	9
-----------------------	----------

Creative Media: Academic Subject Certificate

Description

The Certificate in Creative Media is designed for students who plan to earn a bachelor's degree in Animation & Computer Games or Interactive Media. The Certificate provides creative individuals with the art and design training needed to explore and express ideas using leading-edge technology as well as interactive scripting. The certificate focuses on 3D visual art production for the film, broadcast, and computer game development industries. The certificate provides a balance of technical skills and aesthetic development, culminating in a portfolio-building project targeted to the student's chosen specialization.

Program Learning Outcomes

Upon completion of the program, students will be able to do the following:

- Develop critical thinking and problem-solving skills for project planning and use of necessary collaborative skills.
- Apply the principles of animated film, behavioral animation concepts,

Specialization: Animation & Computer Games Requirements

Item #	Title	Credits
	Design and Illustration Elective	6
	Animation and Production Elective (AC&G)	12
ICS 111	Introduction to Computer Science I	3
	Sub-Total Credits	21

Specialization: Interactive Media Requirements

Item #	Title	Credits
	Design and Illustration Elective (IM)	3
	Animation and Production Elective (IM)	3
ICS 111	Introduction to Computer Science I	3
ICS 141	Discrete Mathematics for Computer Science I	3
ICS 211	Introduction to Computer Science II	3
ICS 212	Program Structure	3
ICS 241	Discrete Mathematics for Computer Science II	3
	Sub-Total Credits	21

	Total credits:	21
--	-----------------------	-----------

Digital Media Production: Associate in Science

Description

The Associate in Science in Digital Media Production provides creative individuals with the art and design training needed to explore and express ideas using leading-edge technology and skillsets. Students receive integrated digital media training in one of four specializations: Animation and Motion Graphics, Digital Photography, and Digital Video for the Web. Students become life-long learners, developing the skills required for a vast array of digital media communications, two-dimensional and three-dimensional animation, video gaming, and interactive media.

Program Learning Outcomes

Upon completion of the program, students will be able to do the following:

- Utilize critical thinking and problem-solving skills for digital media projects by planning and using necessary collaborative skills.
- Communicate in a clear and concise manner visual, verbal and written skills using digital media techniques appropriate for the intended audience.

Core Requirements

Item #	Title	Credits
DMED 160	Media Literacy and Ethics	3
DMED 200	Electronic Portfolio	3
DMED 251	Media Entrepreneurship	3
DMED 261	Digital Media Marketing and Online Distribution	3
	Sub-Total Credits	12

General Education Requirements

Item #	Title	Credits
	Foundations - Written Communications (FW)	3
	MATH 100 or Higher, or FQ (DMED-E2022)	3
	Foundations - Global Multicultural Perspectives (FG-3cr)	3
	Diversification Social Sciences (DS-3cr)	3
	Diversification Biological Sciences (DB) or Physical Sciences (DP)	3
	Sub-Total Credits	15

Specialization: Animation and Motion Graphics

Item #	Title	Credits
ART 112	Intro to Digital Arts	3
ART 113	Introduction to Drawing	3
ART 113D	Introduction to Digital Drawing	3
ART 229	Interface Design I	3
DMED 140	Principles of Animation	3
DMED 141	Introduction to 3D Animation	3
DMED 240	Animation & Special Effects	3
DMED 241	3D Motion Graphics	3
DMED 242	Character Animation	3
DMED 243	3D Modeling and Animation	3
	Sub-Total Credits	30

Specialization: Digital Photography

Item #	Title	Credits
ART 101	Introduction to the Visual Arts	3
ART 107D	Introduction to Digital Photography	3
ART 112	Intro to Digital Arts	3
ART 115D	Introduction to 2D Digital Design	3
ART 202	Digital Imaging	3
ART 207D	Intermediate Digital Photography	3
ART 277D	Studio Photography	3
DMED 150	Film Analysis & Storytelling	3
	Sub-Total Credits	24

Specialization: Digital Video for the Web

Item #	Title	Credits
DMED 150	Film Analysis & Storytelling	3
TVPR 126	Introduction to Digital Camera Operation, Composition, & Lighting Principles	3
TVPR 142	Film & Video Audio Acquisition & Recording	3
TVPR 151	Introduction to Film & Video Editing Principles	3
TVPR 211	Introduction to Film and Video Storytelling and Scriptwriting	3
TVPR 226	Applied Digital Camera Operation, Composition, & Lighting	3
TVPR 227	Advanced Film and Video Storytelling and Scriptwriting	3
TVPR 251	Applied Film & Video Editing & Post-production Audio	3
TVPR 291	Film & Video Directing-Studio/Location Production	3
TVPR 292	Media Project Production	3
TVPR 294	Advanced Editing & Audio	3
	Sub-Total Credits	33

Total credits:	60
-----------------------	-----------

Digital Media Production: Certificate of Achievement

Description

The Certificate of Achievement in Digital Media Production is designed to provide the student with entry-level skills or job upgrading for positions under direct supervision in multimedia in various specialization areas including Animation and Motion Graphics, Digital Photography, and Digital Video for the Web.

Program Learning Outcomes

Upon completion of the program, students will be able to do the following:

- Create collaborative Digital Media projects using critical thinking and aesthetic judgments.
- Demonstrate proficient-level skills using design software necessary to gain entry-level employment in Digital Media.
- Communicate clearly, concisely, visually, verbally, and in writing, using techniques appropriate for the intended audience.
- Compile a portfolio of

Core Requirements

Item #	Title	Credits
DMED 160	Media Literacy and Ethics	3
DMED 200	Electronic Portfolio	3
DMED 251	Media Entrepreneurship	3
	Sub-Total Credits	9

General Education Requirements

Item #	Title	Credits
	Foundations - Written Communications (FW)	3
	MATH 100 or Higher, or FQ (DMED-E2022)	3
	Sub-Total Credits	6

Electives

Item #	Title	Credits
	Electives (CA-DMED-E2022)	15
	Sub-Total Credits	15

	Total credits:	15
--	-----------------------	-----------

Digital Photography: Certificate of Competence

Description

Provides students with both the technical and visual communication skills required for a variety of careers related to photography and imaging. The program combines an understanding of how digital cameras work with the concepts of digital capture, lighting, exposure evaluation, file formatting, image manipulation and composition.

Program Learning Outcomes

Upon completion of the program, students will be able to do the following:

- Produce and process attention-grabbing photos with current electronic photographic tools.
- Identify complex problems and review related information to develop and evaluate options and implement solutions.
- Demonstrate proficiency in the use of Digital Photography hardware and software.

Required Courses

Item #	Title	Credits
ART 107D	Introduction to Digital Photography	3
ART 112	Intro to Digital Arts	3
ART 207D	Intermediate Digital Photography	3
	Sub-Total Credits	9

Total credits:	9
-----------------------	----------

Digital Video for the Web: Certificate of Competence

Description

Meet the challenges of real-world video production in a variety of global and local contexts. Students will experience storytelling, shooting, editing, and directing.

Program Learning Outcomes

Upon completion of the program, students will be able to do the following:

- Create video productions that communicate its intended message.
- Identify complex problems and review related information to develop and evaluate options and implement solutions.
- Demonstrate proficiency in the use of editing software.
- Demonstrate proficiency in the use of video cameras.

Required Courses

Item #	Title	Credits
--------	-------	---------

DMED 150	Film Analysis & Storytelling	3
TVPR 126	Introduction to Digital Camera Operation, Composition, & Lighting Principles	3
TVPR 151	Introduction to Film & Video Editing Principles	3
	Sub-Total Credits	9

	Total credits:	9
--	-----------------------	----------

Graphic Design: Certificate of Competence

Description

Training in practical, technical, and theoretical desktop publishing skills used by the graphic arts and allied industries in the areas of publication and print promotion.

Program Learning Outcomes

Upon completion of the program, students will be able to do the following:

- Design attention-grabbing communication graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos while meeting industry standard specifications.
- Identify complex problems and review related information to develop and evaluate options and implement solutions.
- Demonstrate proficiency in the use of Graphic Design software and hardware.

Required Courses

Item #	Title	Credits
ART 112	Intro to Digital Arts	3
ART 113D	Introduction to Digital Drawing	3
ART 221	Design for Print and Web	3
	Sub-Total Credits	9

Total credits:	9
-----------------------	----------

Motion Graphics: Certificate of Competence

Description

The Motion Graphics Certificate of Competence prepares students for a variety of careers in the Multimedia industries. In order to establish a digital literacy core this truly comprehensive certificate starts students out with the basics of 2D and 3D animation to form a digital literacy core. Students build a strong foundation in Digital Art, visual and information design and animation for Film and TV.

Program Learning Outcomes

Upon completion of the program, students will be able to do the following:

- Produce attention-grabbing communication motion graphics for film, television, music videos, and the Web while meeting industry standard specifications.
- Identify complex problems and review related information to develop and evaluate options and implement solutions.
- Demonstrate proficiency in the use of motion graphics software and hardware.

Required Courses

Item #	Title	Credits
DMED 140	Principles of Animation	3
DMED 240	Animation & Special Effects	3
DMED 141	Introduction to 3D Animation	3
	Sub-Total Credits	9

Total credits:	9
-----------------------	----------