

Second Semester

Applied Nutrition	FN	A171	(2)
Food Production Management*	FSM	A151	(2)
Health Care Field Exper*	NC	A175	(3)
Intro Med Nutrition Therapy*	NC	A180	(3)

*These courses meet the California Department of Health requirement for Dietetic Service Supervisor.

Completion of the first year with a "C" grade in all courses is required before beginning second year.

Course			Units
Third Semester			
Anatomy-Physiology	BIOL	A221	(4)
Menu Planning & Purchasing	FSM	A250	(3)
Life Cycle Nutrition: Mother/Infant	FN	A144	(1)
Life Cycle Nutrition: Children	FN	A145	(1)
Life Cycle Nutrition: Later Years	FN	A146	(1)
Intermediate Nutrition Care	NC	A280	(2)
Supervised Practice 1	NC	A281	(3)
Fourth Semester			
Applied Pharmacology	ALH	A130	(2)
Food Science (4)	FN	A195	(4-5)
(Or)			
Introductory Chemistry (5)	CHEM	A110	
Advanced Nutrition Care	NC	A285	(2)
Supervised Practice 2	NC	A286	(3)
Subtotal:		(49.5-50.5)	
Total:		(56-57)	

Suggested electives:

Human Diseases	ALH	A120	(2)
Current Issues Food/Nutr/Food Sci	FN	A199	(.5-1)
Child Development	HMDV	A180	(3)
Ethics	PHIL/RLST	A120	(3)
Introductory Sociology	SOC	A180	(3)
Interpersonal Communication	SPCM	A100	(3)

Upon successful completion of these courses (with grade of "C" or better) and the General Education Requirements, students will receive a Letter of Verification from the program director confirming that all requirements of the program have been met. Students will then be eligible for membership in the American Dietetic Association and for taking the National Registration Exam administered by the Commission on Dietetic Registration, the American Dietetic Association.

This program has been granted full accreditation by the Commission on Accreditation/Approval for Dietetics Education of the American Dietetics Association, 120 S. Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, (800) 877-1600.

See *Nutrition Careers* for related certificates.

DIGITAL MEDIA ARTS AND DESIGN

GRAPHIC DESIGN

This program is designed for the person who wants a concentrated course of study in the field of digital media arts and design. Courses are designed to accommodate specific interest areas of application for both programmers and users.

The OCC Digital Media Arts and Design program is unique and bases its wide reputation on its emphasis on visual literacy. Concept development and the generation of a portfolio suitable for job applications or transfer to a degree program is a major focus in each of the core courses.

Students from a wide range of disciplines are discovering the creative visual potential of the computer and are applying their newly acquired skills in innovative ways, competing successfully on an international level with work generated here at OCC.

While the program provides broad-based entry level training for a variety of industries, students are encouraged to work toward an Associate in Arts degree.

Program Outcomes

Students will be able to:

1. Demonstrate skill in designing utilizing InDesign and Illustrator software.
2. Demonstrate techniques in digital lettering and Typography.
3. Prepare digital files for printing.
4. Create a portfolio utilizing a variety of design techniques for the purpose of gaining employment and/or acceptance to an Art College or University.

CERTIFICATE OF ACHIEVEMENT

Course	Required Courses		Units
First Semester			
Color & Design 2-D	ART	A110	(3)
Freehand Drawing	ART	A120	(3)
Intro to Computer Graphics	DMAD	A181	(3)
Second Semester			
Lettering/Digital Typography	DMAD	A115	(4)
History of Graphic Design	DMAD	A151	(3)
Graphic Design	DMAD	A182	(4)
Third Semester			
Illus & Computer Graphics 1	DMAD	A190	(4)
Photo Graphics w/Photoshop1	DMAD	A193	(4)
Interactive Multimedia	DMAD	A200	(4)
Fourth Semester			
Rapid Illustration	DMAD	A117	(4)
Digital Prepress	DMAD	A183	(4)
2-D Animation	DMAD	A280	(4)
Subtotal:		(44)	
Additional course taken at any point:			
Internship Academy	ITRN	A392	(2)
Total:		(46)	

Suggested electives:

CAREER AND CERTIFICATE PROGRAMS

Color & Design 3-D	ART	A111	(3)
Product Illustration 1	ART	A118	(2)
Life Drawing	ART	A121	(3)
Painting 1	ART	A130	(3)
Story Illustration Techniques	ART	A143	(3)
Printmaking 1	ART	A170	(3)
Cartooning 1	ART	A269	(3)
Intro to Business	BUS	A100	(3)
Small Business Ownership	BUS	A240	(3)
Intro to Web Page Design	CIS	A123	(2)
JavaScript Programming	CIS	A171	(2)
ASP .NET Programming	CIS	A224	(4)
Photo Graphics w/Photoshop 2	DMAD	A195	(4)
3-D Computer Graphics Animation	DMAD	A281	(4)
Image Processing Digital Video	DMAD	A262	(4)
Video Workshop	FILM	A110	(3)
Digital Film/Video Editing	FILM	A194	(3)
Intro to Humanities	HUM	A100	(3)
Principles of Advertising	MKTG	A130	(3)
Basic Photography	PHOT	A120	(3)
Art Photography	PHOT	A283	(4)

ASSOCIATE DEGREE

Complete the Certificate of Achievement and Associate in Arts Graduation Requirements as outlined in the Graduation Requirements section of the catalog.

MULTIMEDIA

The Multimedia certificate is designed to prepare the student for an entry level position in the multimedia industry. The student will be exposed to a broad range of media, including art, photography, video, animation, music, text, and the techniques required to incorporate them into digital media.

Digital Media Arts and Design is an important sector of the economy and industry is eager to find qualified candidates who not only understand a particular media but also know how to put together multimedia projects.

Program Outcomes

Students will be able to:

Design and create website projects that demonstrate originality, navigation innovation, engagement with image and text relationships and website construction skills.

Demonstrate proficiency in the basic skills of 3D Computer Animation, including but not limited to: Modeling, mapping, shading, lighting and rendering.

Apply a variety of sound synchronization modes to an animation project dependent on whether the sound will be streamed or event driven.

CERTIFICATE OF ACHIEVEMENT

Required Courses		Units	
Courses			
First Semester			
Color & Design 2-D	ART	A110	(3)
Freehand Drawing	ART	A120	(3)
Intro to Computer Graphics	DMAD	A181	(3)
Second Semester			
Photo Graphics w/Photoshop1	DMAD	A193	(4)
Video Workshop	FILM	A110	(3)
Computers in Music	MUS	A102	(3)
Basic Photography	PHOT	A120	(3)
Third Semester			
History of Media Arts	DMAD	A150	(3)
Image Processing Digital Video	DMAD	A262	(4)

2-D Animation	DMAD	A280	(4)
---------------	------	------	-----

Fourth Semester

Interactive Multimedia	DMAD	A200	(4)
3-D Computer Graphics Animation	DMAD	A281	(4)

Subtotal: (38)

Additional course taken at any point: Internship Academy	ITRN	A392	(2)
---	------	------	-----

(2)

Select one (1) from the following:

Contemporary Art History	ART	A102	(3)
Illus & Computer Graphics 1	DMAD	A190	(4)
Digital Video Compositing	DMAD	A263	(4)
His & Appr of Cinema	FILM	A100	(3)
History & Aesthetics of Photography	PHOT	A130	(3)

(3-4)

Total: (43-44)

Suggested electives:

Color & Design 3-D	ART	A111	(3)
Life Drawing	ART	A121	(3)
Story Illustration Techniques	ART	A143	(3)
Photo Graphics w/Photoshop 2	DMAD	A195	(4)
Film Production	FILM	A240	(4)
Digital Film/Video Editing	FILM	A194	(3)
Fundamentals of Music	MUS	A115	(3)
Intro to Sound Reinforcement	MUS	A236	(3)
Recording Techniques	MUS	A261	(2)
Art Photography	PHOT	A283	(4)

ASSOCIATE DEGREE

Complete the Certificate of Achievement and Associate in Arts Graduation Requirements as outlined in the Graduation Requirements section of the catalog.

