ARAB 102A Arabic IIA (3)
3 hours lecture
Prerequisite: A minimum grade of 'C' in ARAB 101B or two years of high school Arabic
Note: Covers the first half of second semester Arabic; not open to students with credit for ARAB 102
Transfer acceptability: CSU; UC
Arabic 102A and 102B are equivalent to the second semester of an elementary level course in Arabic. This elementary level course is a study of the Arabic language and Arabic-speaking cultures, with emphasis on the development of communicative skills and basic structures.

ARAB 102B Arabic IIB (3)
3 hours lecture
Prerequisite: A minimum grade of 'C' in ARAB 102A or two years of high school Arabic
Note: Covers the second half of second semester Arabic; not open to students with credit for ARAB 102
Transfer acceptability: CSU; UC
Arabic 102A and 102B are equivalent to the second semester of an elementary course in Arabic. Arabic 102B is a continuation of Arabic 102A. This elementary level course is a study of the Arabic language and Arabic-speaking cultures, with emphasis on the development of communicative skills and basic structures.

ARAB 201   Arabic III (5)
5 hours lecture - 1 hour laboratory
Prerequisite: A minimum grade of 'C' in ARAB 102 or three years of high school Arabic
Transfer acceptability: CSU; UC
Note: Not open to students with credit for ARAB 201B
This course is the third semester of Arabic. This intermediate level course is a study of the Arabic language and Arabic-speaking cultures, focusing on intermediate level structures and readings of culturally relevant authentic materials. Emphasis is on developing oral, listening, reading and writing skills in order to acquire proficiency in Arabic. Course combines in-class instruction with self-paced study in the World Languages Laboratory. Class is largely conducted in Arabic.

ARAB 201A Arabic IIIA (3)
3 hours lecture
Prerequisite: A minimum grade of 'C' in ARAB 102B or three years of high school Arabic
Note: Covers the first half of third semester Arabic; not open to students with credit for ARAB 201
Transfer acceptability: CSU; UC
Arabic 201A and 201B are equivalent to the third semester of an intermediate course in Arabic. This intermediate level course is a study of the Arabic language and Arabic-speaking cultures, focusing on intermediate level structures and readings of culturally relevant authentic materials. Emphasis is on developing oral, listening, reading and writing skills in order to acquire proficiency in Arabic. Class is largely conducted in Arabic.

ARAB 201B Arabic IIIB (3)
3 hours lecture
Prerequisite: A minimum grade of 'C' in ARAB 201A
Note: Covers the second half of third semester Arabic; not open to students with credit for ARAB 201
Transfer acceptability: CSU; UC
Arabic 201A and 201B are equivalent to the third semester of an intermediate level course in Arabic. ARAB 201B is a continuation of ARAB 201A. This intermediate level course is a study of the Arabic language and Arabic-speaking cultures, focusing on intermediate level structures and readings of culturally relevant authentic materials. Emphasis is on developing oral, listening, reading and writing skills in order to acquire proficiency in Arabic. Class is largely conducted in Arabic.

Architecture (ARCH)

Contact the Design and Consumer Education Department for further information.
(760) 744-1150, ext. 2349
Office: P-8A

Associate in Science Degrees -
AS Degree requirements are listed in Section 6 (green pages).
• Architectural Drafting
• Architecture

Certificates of Achievement -
• Architectural Drafting
• Architecture
• Eco-Building Professional

PROGRAMS OF STUDY

Architecture

This coursework prepares students for transfer into a university architectural program. Emphasis is on current architectural and construction practices, fundamental design skills, sustainable building guidelines, and transfer preparation. Students should review specific course requirements and transfer agreements with their architectural instructor and transfer counselor. General education course requirements such as mathematics, physics, etc. will vary depending upon the specific university program.

A.S. DEGREE MAJOR OR
CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
ARCH 105	Basic Architectural Drafting	3
ARCH 120	Architectural History	3
	or	
ARCH 121	Multicultural Architectural History	3
ARCH 135	Architectural Materials and Methods of Construction	4
ARCH 144	Architectural Drawing and Color	4
ARCH 145	Architectural Delineation and Pictorial Drawing	4
ARCH 155	Architectural Theory	3
ARCH 215	Architectural Design Fundamentals I	5
ARCH 216	Architectural Design Fundamentals II	5
TOTAL UNITS		**31**

Students should review specific course requirements and transfer agreements with their architectural instructor and transfer counselor. General education course requirements such as mathematics, physics, etc. will vary depending upon the specific university program.

Architectural Drafting

Prepares students for employment as a design/production drafter in the field of architecture.

A.S. DEGREE MAJOR OR
CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
ARCH 105	Basic Architectural Drafting	3
ARCH 135	Architectural Materials and Methods of Construction	4
ARCH 144	Architectural Drawing and Color	4
ARCH 145	Architectural Delineation and Pictorial Drawing	4
ARCH 150/ ID 150	Computer Aided Drafting for Designers (CADD)	3
ARCH 160	Environmental Architecture and Design	4
ARCH 200	Advanced Computer Aided Architectural Drafting	4
ARCH 202	Introduction to Revit Architecture	3
TOTAL UNITS		**29**

Eco-Building Professional

This program is designed to provide the knowledge and skills needed to promote energy and resource efficient building practices through current code changes and new tax cost payback. Graduates will be prepared for numerous jobs within the deconstruction and remodel industries and would have skills needed by builders, contractors, architects or designers seeking assessment of current construction methods for framing, water use and LEED environmental compliance.

CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
ARCH 135	Architectural Materials and Methods of Construction	4
ARCH 160	Environmental Architecture and Design	4
ARCH 216	Architectural Design Fundamentals II	5
ID 105	Materials and Resources	3
ID 130	Light and Color	3
TOTAL UNITS		**19**

Recommended Electives: GEOG 120, MATH 60

COURSE OFFERINGS

ARCH 105   Basic Architectural Drafting   (3)
1½ hours lecture - 4½ hours laboratory
Transfer acceptability: CSU
An introduction to architectural drafting including symbols, lettering, construction principles, details, and codes as related to the development of working drawings for simple residential design.

ARCH 106   Intermediate Architectural Drafting   (3)
1½ hours lecture - 4½ hours laboratory
Prerequisite: A minimum grade of 'C' in ARCH 105
Transfer acceptability: CSU
A continued study in residential design including study in details, materials, elevations, specifications, electrical, and plumbing.

ARCH 120   Architectural History   (3)
3 hours lecture
Transfer acceptability: CSU; UC
An overview of architectural history beginning with prehistoric cultures and continuing through Egyptian and Mesopotamia, Aegean and Greek, Roman and Byzantine, Romanesque and Gothic, and the Renaissance and Baroque periods. The second half of the course focuses on the development of modern western architecture.

ARCH 121   Multicultural Architectural History   (3)
3 hours lecture
Transfer acceptability: CSU; UC
A comparative study of the architecture of cultures outside the Western mainstream including: Pre-Columbian America; India and Southeast Asia, China and Japan, Russia and Eastern Europe; and the Moslem Empires. Special emphasis on the cultural forces and conditions which shaped and evolved the architecture.

ARCH 129   Basic Architectural Drafting with Auto CAD   (3)
1½ hours lecture - 4½ hours laboratory
Transfer acceptability: CSU
Basic fundamentals of architectural drafting using AutoCAD software to include the following drawings: plot plans, floor plans, foundation plans, framing plans, sections, elevations, and basic construction details.

ARCH 135   Architectural Materials and Methods of Construction   (4)
3 hours lecture - 3 hours laboratory
Transfer acceptability: CSU
An introduction to the use and application of building construction materials and processes.

ARCH 144   Architectural Drawing and Color   (4)
3 hours lecture - 3 hours laboratory
Transfer acceptability: CSU; UC
An introduction to basic architectural drawing and design that explores the theory and application of perspective, shades and shadows, and color to architectural sketching, drawing, and model building. Includes a basic architectural design problem exploring the concept of architectural complexity.

ARCH 145   Architectural Delineation and Pictorial Drawing   (4)
3 hours lecture - 3 hours laboratory
Recommended preparation: ID/ARCH 150
Note: May not be taken for Pass/No Pass grading
Transfer acceptability: CSU; UC
Principles and techniques of pictorial drawing in architecture including isometric, oblique, and perspective projection; shades and shadows; and presentation graphics. The three dimensional and shading capabilities of AutoCAD will be utilized in coordination with the use of Photoshop and SketchUP software as a color rendering tool. Abstract architectural design concepts will also be explored.

ARCH 150   Computer Aided Drafting for Designers (CADD)   (3)
1½ hour lecture - 4½ hours laboratory
Note: Cross listed as ID 150
Transfer acceptability: CSU
Introduction to computer aided drafting for architects and interior designers, to include two and some three-dimensional drawing, blocks, draw and modify design tools, rendering, barrier free design, and architectural floor plan layouts.

ARCH 155   Architectural Theory   (3)
3 hours lecture
Transfer acceptability: CSU
A study and analysis of the concepts and philosophies that have influenced or been the basis of architectural form from the Classical period to the present. The analysis will include the use of drawing and model-building tools to gain an understanding of these principles applied to specific structures throughout history.

ARCH 160   Environmental Architecture and Design   (4)
3 hours lecture - 3 hours laboratory
Note: May not be taken for Pass/No Pass grading
Transfer acceptability: CSU; UC
Introduction to the theory and application of bio-climate adaptive architectural design in small scale buildings. Includes effective energy use, solar geometry, environmental measurements, heat flow, heat transfer, and thermal masses. Emphasis is on design and construction principles for lighting, passive shading, heating, cooling and ventilating envelope load-dominated buildings. This is a service learning course. Students must be involved in relevant community service as a part of this course work. Students will conduct research and work collaboratively towards a solution for community development.

ARCH 196 Special Problems in Architecture   (1, 2, 3)
½, 1, or 1½ hours lecture - 1½, 3, or 4½ hours laboratory
Note: May not be taken for Pass/No Pass grading
Transfer acceptability: CSU; UC - credit determined by UC upon review of course syllabus
Designed to enrich the student's experience within the Architecture program and is of a research or special project nature. Content to be determined by the need of the student under signed contract with the instructor.

ARCH 200   Advanced Computer Aided Architectural Drafting   (4)
2 hours lecture - 6 hours laboratory
Recommended Preparation: ARCH 105 and ARCH/ID 150
Transfer acceptability: CSU
Advanced techniques in the operation of AutoCAD software for architectural applications. Preparation of various architectural working drawings from a preliminary residential design.

ARCH 202   Introduction to Revit Architecture   (3)
1½ hours lecture - 4½ hours laboratory
Transfer acceptability: CSU
Preparation of basic 3D architectural information models and (BIM). Manipulation for preparation of individual architectural working drawings, including: dimensioned floor plans, building sections, elevations, etc. using Revit software.

ARCH 215   Architectural Design Fundamentals I   (5)
2½ hours lecture - 7½ hours laboratory
Recommended preparation: ARCH 144 and 145
Transfer acceptability: CSU; UC
Development of problem solving and analytical skills in architectural design involving consideration of factors of architectural form in two- and three-dimensional compositions, and design concepts and applications.

ARCH 216   Architectural Design Fundamentals II   (5)
2½ hours lecture - 7½ hours laboratory
Recommended preparation: ARCH 145 and 215
Transfer acceptability: CSU; UC
Complex architectural problems involving consideration of factors of structure, site, and climate.

Art (ART)

Contact the Art Department for further information.
(760) 744-1150, ext. 2302
Office: D-14

Associate in Science Degrees -
AS Degree requirements are listed in Section 6 (green pages).
• Graphic Design
• Illustration
• Interactive Media Design - Emphasis in 3D Modeling and Animation
• Interactive Media Design - Emphasis in Multimedia Design

Associate in Arts Degrees -
AA Degree requirements are listed in Section 6 (green pages).
• Pictorial Arts - Emphasis in Painting
• Three-Dimensional Arts - Emphasis in Ceramics
• Three-Dimensional Arts - Emphasis in Crafts
• Three-Dimensional Arts - Emphasis in Glass
• Three-Dimensional Arts - Emphasis in Jewelry and Metalsmithing
• Three-Dimensional Arts - Emphasis in Sculpture

Certificates of Achievement -
Certificate of Achievement requirements are listed in Section 6 (green pages).
• Interactive Media Design - Emphasis in 3D Modeling and Animation
• Interactive Media Design - Emphasis in Multimedia Design

Certificates of Proficiency -
Certificate of Proficiency requirements are listed in Section 6 (green pages).
• Digital Animation, Compositing, and Music

PROGRAMS OF STUDY

Digital Animation, Compositing, and Music

This program is directed at the digital design and implementation of 3D animations, graphic compositing and music.

CERTIFICATE OF PROFICIENCY

Program Requirements		Units
(Select five courses)		
ARTI 246	Digital 3D Design and Modeling	3
ARTI 247	Digital 3D Design and Animation	3
GCMW 204	Motion Graphics for Multimedia	3

GCMW 206	Motion Graphics Production and Compositing	3
MUS 180	Computer Music I	3
MUS 184	Electronic Ensemble	1
TOTAL UNITS		**13 – 15**

Digital Animation, Compositing, and Music Certificate of Proficiency is also listed in Graphic Communications - Multimedia and Web, and in Music.

Graphic Design

Prepares students in basic skills necessary to prepare a portfolio for application to Graphic Design, Environmental Design, and Packaging Design programs at 4 year schools. In addition, develops creative design ability and conceptual skills in the printed media, motion graphics, and web design.

A.S. DEGREE MAJOR

Program Requirements		
ART 104	Design and Composition	3
ART 166	History of Art II - Survey of Western Art	3
ART 200	Color Theory	3
ARTI 100	Concept Sketching	3
ARTD 100	Graphic Design I	3
ARTD 150	Digital Concepts and Techniques in Art	3
ARTD 200	Graphic Design II - Lettering and Layout	3
ARTD 210	Typography Design	3
ARTD 220	Motion Design	3
ARTI 246	Digital 3D Design and Modeling	3
	Final Art Portfolio Review	0

Electives (Select 6-7 units)		
ARTI 247	Digital 3D Design and Animation	3
ARTI 248	Digital 3D Design and Sculpture	3
ARTI 220	Illustration II, Digital Techniques	3
ART 120	Foundations of Life Drawing	3
PHOT 100	Elementary Film and Darkroom Photography	3
BMGT 105	Small Business Management	3
CE 100	Cooperative Education	1 - 4
TOTAL UNITS		**36 - 37**

Graphic Design A.S. Degree Major is also listed in Art-Design.

Illustration

Provides students with specific skills necessary to prepare a portfolio for application to Illustration programs at 4-year schools. In addition develops creative conceptual and Illustrative skills for use in advertising and story Illustration.

A.S. DEGREE MAJOR

Program Requirements		Units
ART 104	Design and Composition	3
ART 120	Foundations of Life Drawing	3
ART 166	History of Art II	3
ART 200	Color Theory	3
ARTD 150	Digital Concepts and Techniques in Art	3
ARTD 220	Motion Design	3
ARTI 100	Concept Sketching	3
ARTI 210	Illustration I	3
ARTI 220	Illustration II, Digital Techniques	3
ARTI 246	Digital 3D Design and Modeling	3
	Final Art Portfolio Review	0