

Work Experience (AP WE)

AP WE 110 Sheet Metal Work Experience (4)

12 hours laboratory

Prerequisite: Indentured apprentice to a designated Joint Apprenticeship and Training Committee

Note: Credit/No Credit grading only; may be taken 4 times
Supervised on-the-job training in the Sheet Metal Trade.

AP WE 111 Carpentry Work Experience (4)

12 hours laboratory

Prerequisite: Indentured apprentice to a designated Joint Apprenticeship and Training Committee

Note: May be taken 4 times; Credit/No Credit grading only
Supervised on-the-job training in the Carpentry trade.

AP WE 112 Drywall/Acoustical Work Experience (4)

12 hours laboratory

Prerequisite: Indentured apprentice to a designated Joint Apprenticeship and Training Committee

Note: May be taken 4 times; Credit/No Credit grading only
Supervised on-the-job training in the Interior Systems Trade.

AP WE 113 Electrician Work Experience (4)

12 hours laboratory

Prerequisite: Indentured apprentice to a designated Joint Apprenticeship and Training Committee

Note: May be taken 4 times; Credit/No Credit grading only
Supervised on-the-job training in the Electrician trade.

AP WE 114 Plasterer Work Experience (4)

12 hours laboratory

Prerequisite: Indentured apprentice to a designated Joint Apprenticeship and Training Committee

Note: May be taken 4 times; Credit No Credit Grading Only
Supervised on-the-job training in the Interior Systems Trade.

Arabic (ARAB)

Contact the Foreign Languages Department for further information, (760) 744-1150, ext. 2390

COURSE OFFERINGS

ARAB 101A Arabic IA (3)

3 hours lecture

Note: Covers the first half of first semester Arabic.

Transfer acceptability: CSU; UC

Arabic 101A and 101B are equivalent to the first 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. This beginning-level course is for students with no previous coursework in Arabic.

ARAB 101B Arabic IB (3)

3 hours lecture

Prerequisite: ARAB 101A or one year of high school Arabic

Note: Covers the second half of first semester Arabic.

Transfer acceptability: CSU; UC

Arabic 101A and 101B are equivalent to the first semester of an elementary level course in Arabic. ARAB 101B is a continuation of ARAB 101A. 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 102A Arabic IIA (3)

3 hours lecture

Prerequisite: ARAB 101B or two years of high school Arabic

Note: Covers the first half of second semester Arabic.

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: ARAB 102A or two years of high school Arabic

Note: Covers the second half of second semester Arabic.

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 201A Arabic IIIA (3)

3 hours lecture

Prerequisite: ARAB 102B or three years of high school Arabic

Note: Covers the first half of third semester Arabic.

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: ARAB 201A

Note: Covers the second half of third semester Arabic.

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.

Art (ART)

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

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

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

(5 courses minimum required, 15 units total)

Program Requirements	Units
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	3

TOTAL UNITS

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.A. DEGREE MAJOR

Program Requirements		Units
ART 104	Design and Composition	3
ART 166	History of Art II	3
ART 200	Color/Light and Theory	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
ARTD 250	New Media Studio	3
ARTI 100	Introduction to Illustration	3
ARTI 246	Digital 3D Design and Modeling	3
ARTI 247	Digital 3D Design and Animation	3
BUS 150	Advertising	3
PHOT 100	Elementary Photography	3.5
	Final Art Portfolio Review	0

Electives (Select 6-7 units)

ART 120	Life Drawing and Composition I	3
ART 296	Special Projects	1,2,3
ARTI 220	Illustration II Digital Techniques	3
R GCIP/ GCIP 140	Digital Imaging/Photoshop I	3
R GCIP/ GCIP 152	Desktop Publishing/Illustrator I	3
RTV 275	Avid Editing for Television and Film	3
BMGT 105	Small Business Management	3
MUS 180	Computer Music I	3
MUS 181 or MUS 184	Computer Music II Electronic Ensemble	3
CE 100	Cooperative Education	1,2,3,4

TOTAL UNITS **48.5 - 49.5**

Graphic Design A.A. 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.A. DEGREE MAJOR

Program Requirements		Units
ART 104	Design and Composition	3
ART 120	Life Drawing and Composition I	3
ART 125	Head Drawing	3
ART 166	History of Art II	3
ART 200	Color/Light and Theory	3
ART 220 or ART 225	Oil Painting I Acrylic Painting I	3
ARTD 150	Digital Concepts and Techniques in Art	3
ARTI 100	Introduction to Illustration	3
ARTI 200	Rendering	3
ARTI 210	Illustration I	3
ARTI 220	Illustration II, Digital Techniques	3
ARTI 230	Illustration III, Experimental Techniques	3
ARTI 246	Digital 3D Design and Modeling	3
ARTI 247	Digital 3D Design and Animation	3
	Final Art Portfolio Review	0

Electives (Select 3 units)

ART 121	Life Drawing and Composition II	3
ART 197B	Topics in Art - Painting	.5-3
ART 197F	Topics in Art - Drawing	.5-3
ART 235	Watercolor Painting I	3
ART 296	Special Projects	1,2,3
ARTD 100	Graphic Design I	3
ARTD 220	Motion Design	3
ARTD 250	New Media Studio	3
BUS 150	Advertising	3
BMGT 105	Small Business Management	3
PHOT 100	Elementary Photography	3.5
CE 100	Cooperative Education	1,2,3,4

TOTAL UNITS **45**

Illustration A.A. Degree Major is also listed in Art – Illustration.

Interactive Media Design

Prepares students with specific skills necessary for employment in the field of multimedia design and production. Students may choose an emphasis in either 3D modeling and animation, which emphasizes production skills and authoring systems, or multimedia design, which emphasizes content development and visual design of multimedia productions. Both areas of emphasis collaborate on an actual multimedia production.

Emphasis in 3D Modeling and Animation

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
ARTI 100	Introduction to Illustration	3
ARTI 246	Digital 3D Design and Modeling	3
ARTI 247	Digital 3D Design and Animation	3
DT 180	3D Studio Max-Intro to 3D Modeling/Animation	3
DT 182	3D Studio Max-Adv 3D Modeling/Animation	3
GCIP/ R GCIP 140	Digital Imaging/Photoshop I	3
GCMW 204	Motion Graphics for Multimedia	3

Electives (Select two courses)

ART 241	Computer Graphics	3
ART 248	Character Animation	1.5
ARTD 150	Digital Concepts/Techniques in Art	3
ARTD 220	Motion Design	3
DT/R DT 128	SolidWorks Intro 3D Design and Presentation	3
DT 184	Real Time 3D Technical/Game Animation	2
GCIP 240	Digital Imaging/Photoshop III	3
GCMW 201	Multimedia II	3
ENTT/RTV 120	Digital Television Production	3
RTV 124	Staging and Lighting for Television	3

TOTAL UNITS **24.5 - 27**

Emphasis in Multimedia Design

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
ARTD 100	Graphic Design I	3
ARTD 220	Motion Design	3
ARTI 247	Digital 3D Design and Animation	3
GCIP 240	Digital Imaging/Photoshop III	3
GCMW/ R GCMW 101	Multimedia I	3

GCMW 201	Multimedia II	3
GCMW 204	Motion Graphics for Multimedia	3
Electives (Select two courses)		
ART 197G	Topics in Art – Computer Art	3
ARTD 150	Digital Concepts and Techniques in Art	3
ARTI 246	Digital 3D Design/Modeling	3
DT 180	3D Studio Max-Intro to 3D Modeling/Animation	3
DT 182	3D Studio Max-Adv 3D Modeling/Animation	3
GC 100	Graphic Communications	3
GCIIP/ R GCIIP 140	Digital Imaging/Photoshop I	3
GCIIP/ R GCIIP 152	Desktop Publishing/Illustrator I	3
GCMW 197B	Topics in Multimedia	3
GCMW/ R GCMW 102	Web Page Layout I	3
GCMW 203	Web Multimedia	3
MUS 180	Computer Music I	3
RTV 170	Introduction to Video Editing	3
TOTAL UNITS		27

Interactive Media Design A.A. Degree or Certificate of Achievement is also listed in Drafting Technology and in Graphic Communications - Multimedia and Web.

Pictorial Arts

Programs are designed to enable the student to acquire skills in producing marketable fine art for gallery exhibition and commissions, enter into the commercial area, and serve as a preparation for transfer to a four-year college or university. Transfer students should consult the four-year college or university catalog for specific requirements or see a Palomar College counselor.

Pictorial arts majors may select an emphasis in painting or printmaking within the program requirements.

Emphasis in Painting

A.A. DEGREE MAJOR

Program Requirements	Units	
ART 101	Methods and Materials	3
ART 102	Drawing and Composition I	3
ART 103	Drawing and Composition II	3
ART 104	Design and Composition	3
ART 105	3-Dimensional Form and Design	3
ART 120	Life Drawing and Composition I	3
ART 121	Life Drawing and Composition II	3
ART 165	History of Art I	3
ART 166	History of Art II	3
ART 200	Color/Light and Theory	3
	Final Art Portfolio Review	0

Plus 6 units selected from the following:

ART 220	Oil Painting I	3
ART 221	Oil Painting II	3
ART 225	Acrylic Painting I	3
ART 226	Acrylic Painting II	3

Electives (Select 6 units)

ART 130	Printmaking I	3
ART 131	Printmaking II	3
ART 197F	Topics in Art – Drawing	.5-3
ARTI 200	Rendering	3
ARTI 210	Illustration I, Traditional Techniques	3
ARTI 220	Illustration II, Digital Techniques	3
ART 220, 221, 225, 226 (if not taken in emphasis area)		3
ART 230	Airbrush Painting I	3

ART 231	Airbrush Painting II	3
ART 235	Watercolor Painting I	3
ART 236	Watercolor Painting II	3
PHOT 110	Basic 35mm Color Photo	3
TOTAL UNITS		42

Emphasis in Printmaking

A.A. DEGREE MAJOR

Program Requirements	Units	
ART 101	Methods and Materials	3
ART 102	Drawing and Composition I	3
ART 103	Drawing and Composition II	3
ART 104	Design and Composition	3
ART 105	3-Dimensional Form and Design	3
ART 120	Life Drawing and Composition I	3
ART 130	Printmaking I	3
ART 131	Printmaking II	3
ART 165	History of Art I	3
ART 166	History of Art II	3
ART 200	Color/Light and Theory	3
	Final Art Portfolio Review	0

Electives (Select 6 units)

ART 197F	Topics in Art – Drawing	.5-3
ART 220	Oil Painting I	3
ART 221	Oil Painting II	3
ART 225	Acrylic Painting I	3
ART 226	Acrylic Painting II	3
ART 230	Airbrush Painting I	3
ART 231	Airbrush Painting II	3
ART 235	Watercolor Painting I	3
ART 236	Watercolor Painting II	3
ARTI 210	Illustration I, Traditional Techniques	3
ARTI 220	Illustration II, Digital Techniques	3
PHOT 110	Basic 35mm Color Photo	3
TOTAL UNITS		39

Three-Dimensional Arts

Programs are designed to enable the student to acquire skills in producing marketable fine art for gallery exhibition and commissions, enter into the commercial area, and serve as a preparation for transfer to a four-year college or university. Transfer students should consult the four-year college or university catalog for specific requirements or see a Palomar College counselor.

Three-dimensional arts majors may select an emphasis in ceramics, crafts, glass, jewelry and metalsmithing, or sculpture, within the program requirements.

Emphasis in Ceramics

A.A. DEGREE MAJOR

Program Requirements	Units	
ART 101	Methods and Materials	3
ART 102	Drawing and Composition I	3
ART 104	Design and Composition	3
ART 105	3-Dimensional Form and Design	3
ART 135	Ceramics I	3
ART 136	Ceramics II	3
ART 165	History of Art I	3
ART 166	History of Art II	3
ART 250	Ceramics III	3
ART 260	Sculpture I	3
ART 265	Ceramic Sculpture I	3
ART 266	Ceramic Sculpture II	3
	Final Art Portfolio Review	0

Electives (Select 6 units)		
ART 137	Pottery Production	3
ART 140	Foundry Techniques in Sculpture I	3
ART 147	Design in Enamels	3
ART 160	Glassblowing-Offhand I	3
ART 261	Sculpture II	3
PHOT 100	Elementary Photography	3.5
PHOT 110	Basic 35mm Color Photo	3
TOTAL UNITS		42

Emphasis in Crafts

A.A. DEGREE MAJOR

Program Requirements		Units
ART 101	Methods and Materials	3
ART 102	Drawing and Composition I	3
ART 104	Design and Composition	3
ART 105	3-Dimensional Form and Design	3
ART 135	Ceramics I	3
ART 145	Design in Mixed Media	3
ART 146	Design in Wood	3
ART 147	Design in Enamels	3
ART 150	Jewelry and Metalsmithing Design I	3
ART 165	History of Art I	3
ART 166	History of Art II	3
ART 260	Sculpture I	3
	Final Art Portfolio Review	0

Electives (Select 6 units)		
ART 136	Ceramics II	3
ART 140	Foundry Techniques in Sculpture I	3
ART 151	Jewelry and Metalsmithing Design II	3
ART 155	Stained Glass I	3
ART 261	Sculpture II	3
ART 270	Jewelry and Metalsmithing Design III	3
ART 275	Stained Glass II	3
PHOT 100	Elementary Photography	3.5
PHOT 110	Basic 35mm Color Photo	3
TOTAL UNITS		42

Emphasis in Glass

A.A. DEGREE MAJOR

Program Requirements		Units
ART 101	Methods and Materials	3
ART 102	Drawing and Composition I	3
ART 104	Design and Composition	3
ART 105	3-Dimensional Form and Design	3
ART 135	Ceramics I	3
ART 145	Design in Mixed Media	3
ART 155	Stained Glass I	3
ART 160	Glassblowing-Offhand I	3
ART 165	History of Art I	3
ART 166	History of Art II	3
ART 260	Sculpture I	3
ART 280	Glassblowing-Offhand II	3
	Final Art Portfolio Review	0

Electives (Select 4-6 units)		
ART 140	Foundry Techniques in Sculpture I	3
ART 146	Design in Wood	3
ART 147	Design in Enamels	3
ART 150	Jewelry and Metalsmithing Design I	3
ART 275	Stained Glass II	3

ART 276	Cold Glass Design	1
ART 277	Glass Casting	1
PHOT 110	Basic 35mm Color Photo	3
TOTAL UNITS		40 - 42

Emphasis in Jewelry and Metalsmithing

A.A. DEGREE MAJOR

Program Requirements		Units
ART 101	Methods and Materials	3
ART 102	Drawing and Composition I	3
ART 104	Design and Composition	3
ART 105	3-Dimensional Form and Design	3
ART 165	History of Art I	3
ART 166	History of Art II	3
ART 145	Design in Mixed Media	3
ART 147	Design in Enamels	3
ART 150	Jewelry and Metalsmithing Design I	3
ART 151	Jewelry and Metalsmithing Design II	3
ART 205	Indirect Metal Forming	3
ART 270	Jewelry and Metalsmithing Design III	3
	Final Art Portfolio Review	0

Electives (Select 6 units)		
ART 135	Ceramics I	3
ART 140	Foundry Techniques in Sculpture I	3
ART 146	Design in Wood	3
ART 260	Sculpture I	3
ART 265	Ceramic Sculpture I	3
PHOT 110	Basic 35mm Color Photo	3
TOTAL UNITS		42

Emphasis in Sculpture

A.A. DEGREE MAJOR

Program Requirements		Units
ART 101	Methods and Materials	3
ART 102	Drawing and Composition I	3
ART 104	Design and Composition	3
ART 105	3-Dimensional Form and Design	3
ART 135	Ceramics I	3
ART 140	Foundry Techniques in Sculpture I	3
ART 165	History of Art I	3
ART 166	History of Art II	3
ART 260	Sculpture I	3
ART 261	Sculpture II	3
ART 265	Ceramic Sculpture I	3
ART 266	Ceramic Sculpture II	3
	Final Art Portfolio Review	0

Electives (Select 6 units)		
ART 136	Ceramics II	3
ART 145	Design in Mixed Media	3
ART 150	Jewelry and Metalsmithing Design I	3
ART 160	Glassblowing-Offhand I	3
ART 205	Indirect Metal Forming	3
ART 255	Foundry Techniques/Sculpture II	3
PHOT 110	Basic 35mm Color Photo	3
TOTAL UNITS		42

COURSE OFFERINGS

An activity may be taken four times for credit. Activity is defined to include all ability levels (e.g., A student may take a total of only four Ceramics courses for credit). Ceramics and Jewelry and Metalsmithing classes are defined as activity courses.

- ART 100 Introduction to Art (3)**
3 hours lecture
Transfer acceptability: CSU; UC
 Promotes an understanding and appreciation of art through slide-lectures, discussion, and museum visits. For non-art majors.
- ART 101 Methods and Materials (3)**
6 hours lecture/laboratory
Note: May be taken 2 times
Transfer acceptability: CSU
 Introduction to the aesthetic and technical potential of a variety of materials and methods basic to various art disciplines. Concentration on the skills needed to use these materials in a two- and three-dimensional art.
- ART 102 Drawing and Composition I (3)**
6 hours lecture/laboratory
Note: May be taken 2 times
Transfer acceptability: CSU; UC; CAN ART 8
 A basic studio course in the media and technique of drawing. An introduction to pictorial structure, visual elements, use of perspective, and rendering and sketching techniques. This course is designed to develop skills for both commercial and fine arts.
- ART 103 Drawing and Composition II (3)**
6 hours lecture/laboratory
Prerequisite: ART 102
Note: May be taken 2 times
Transfer acceptability: CSU; UC
 The development of subject and theme concepts with varied approaches to composition and the use of media. Introduction to abstract composition and mixed media techniques as a preliminary to painting.
- ART 104 Design and Composition (3)**
6 hours lecture/laboratory
Note: May be taken 2 times
Transfer acceptability: CSU; UC; CAN ART 14
 Basic instruction in flat design. The study of line, color, value, shape, texture, form, and the principles of composition. Experience in a variety of media. Essential to students of fine and commercial art, photography, graphic arts, architectural, and interior design.
- ART 105 Three-Dimensional Form and Design (3)**
6 hours lecture/laboratory
Note: May be taken 2 times
Transfer acceptability: CSU; UC; CAN ART 16
 Basic instruction in sculptural forms and structures. A variety of media is explored.
- ART 120 Life Drawing and Composition I (3)**
6 hours lecture/laboratory
Prerequisite: A minimum grade of 'B' in at least one semester of a college-level drawing course
Note: May be taken 2 times
Transfer acceptability: CSU; UC; CAN ART 24
 A basic course in the fundamentals of drawing the human figure. The use of the figure as an element of both naturalistic and expressive rendering.
- ART 121 Life Drawing and Composition II (3)**
6 hours lecture/laboratory
Prerequisite: ART 120
Note: May be taken 2 times
Transfer acceptability: CSU; UC—Credit Limitations
 An exploration of the human figure as the basic subject of creative and experimental composition.
- ART 123 Arts Across the Curriculum (3)**
3 hours lecture
Note: Cross listed as: DNCE 123/ MUS 123/ TA 123
Transfer acceptability: CSU
- This course is an introduction to the artistic creative process through a comparative study of dance, music, theatre, and visual arts, within a social and cultural context. The principles of artistic perception, creative expression, cultural and historical context, and aesthetic valuing will be discussed.
- ART 125 Head Drawing (3)**
6 hours lecture/laboratory
Prerequisite: ART 102 or ARTI 100
Note: May be taken 2 times
Transfer acceptability: CSU; UC
 Introduction to human head drawing. Special emphasis on techniques designed to illustrate musculoskeletal relationships that distinguish differences in age, sex, and personality.
- ART 130 Printmaking I (3)**
6 hours lecture/laboratory
Prerequisite: ART 102
Note: May be taken 2 times
Transfer acceptability: CSU; UC; CAN ART 20
 Introduction to the techniques of etching, aquatint, drypoint, photo engraving, and wood and linoleum cuts. Problems in multicolor intaglio and multicolor relief printing. Design and composition in relation to the media will be emphasized.
- ART 131 Printmaking II (3)**
6 hours lecture/laboratory
Prerequisite: ART 130
Note: May be taken 2 times
Transfer acceptability: CSU; UC
 Continued practice in the creation of fine prints. Mixed media and the photoin-taglio process are explored.
- ART 132 Lithography and Experimental Printmaking (1)**
2 hours lecture/laboratory
Prerequisite: ART 102
Note: May be taken 2 times
 Introduction to the techniques of plate lithography and experimental lithographic processes.
- ART 133 Etching (1)**
2 hours lecture/laboratory
Prerequisite: ART 102
Note: May be taken 2 times
 Introduction to the techniques of etching, aquatint and drypoint.
- ART 135 Ceramics I (3)**
6 hours lecture/laboratory
Note: May be taken 2 times; maximum of 4 completions in any combination of ART 135, ART 136, ART 250
Transfer acceptability: CSU; UC; CAN ART 6
 An introduction to basic forming techniques in clay and various surface treatments.
- ART 136 Ceramics II (3)**
6 hours lecture/laboratory
Prerequisite: ART 135
Note: May be taken 2 times; maximum of 4 completions in any combination of ART 135, ART 136, ART 250
Transfer acceptability: CSU; UC
 Advanced studies in handbuilding and wheel throwing techniques. Continuing study of various surface techniques. Techniques of glaze and facility maintenance.
- ART 137 Pottery Production (3)**
6 hours lecture/laboratory
Prerequisite: ART 135
Note: May be taken 2 times
Transfer acceptability: CSU
 Wheel throwing production, kiln use and construction, mixing and maintaining glazes, studio maintenance, decorative techniques, and marketing skills and techniques.

- ART 138 Ceramic Surface Decoration** (1)
2 hours lecture/laboratory
Recommended preparation: ART 135, 136, and 250
A study of ceramic surface treatments and decorative techniques.
- ART 139 Raku Techniques** (1)
2 hours lecture/laboratory
Recommended preparation: ART 135, 136, and 250
Note: May be taken 2 times
Exploration of the raku ceramic process and related earthenware decorative techniques.
- ART 140 Foundry Techniques in Sculpture I** (3)
6 hours lecture/laboratory
Prerequisite: ART 105
Note: May be taken 2 times
Transfer acceptability: CSU
Theory and practice in casting skills using foundry techniques.
- ART 145 Design in Mixed Media** (3)
6 hours lecture/laboratory
Note: May be taken 2 times
Transfer acceptability: CSU; UC
Design and production of useful "one-of-a-kind" or "limited edition" objects of art. Attention to the visual as well as structural character of chosen materials. Media may include wood, metal, fibers, plastics, and bone and leather alone or in combination.
- ART 146 Design in Wood** (3)
6 hours lecture/laboratory
Note: May be taken 2 times
Transfer acceptability: CSU; UC
Explores in depth the sculptural and functional qualities of wood. Original designs may include useful forms such as furniture, containers, and architectural ornaments as well as fantasy forms. Benefits students of three-dimensional art and wood technology.
- ART 147 Design in Enamels** (3)
6 hours lecture/laboratory
Recommended preparation: ART 104
Note: May be taken 2 times
Transfer acceptability: CSU
Exploration of the creative and aesthetic possibilities of enameling. Principles and techniques in two- and three- dimensional designs.
- ART 150 Jewelry and Metalsmithing Design I** (3)
6 hours lecture/laboratory
Note: Maximum of 4 completions in any combination of ART 150, ART 151, ART 270
Transfer acceptability: CSU
Projects in two- and three-dimensional jewelmaking and metalsmithing. Study of the relationship of design to materials and of contemporary metal working techniques.
- ART 151 Jewelry and Metalsmithing Design II** (3)
6 hours lecture/laboratory
Prerequisite: ART 150
Note: May be taken 2 times; maximum of 4 completions in any combination of ART 150, ART 151, ART 270
Transfer acceptability: CSU
Exploration of manipulation of metal and surface decoration including stone setting.
- ART 155 Stained Glass I** (3)
6 hours lecture/laboratory
Prerequisite: ART 104
Note: May be taken 2 times
Transfer acceptability: CSU
Introduction to the materials and processes involved in the creation of flat glass objects. Emphasis on design potential and creative possibilities of the medium.
- ART 160 Glassblowing-Offhand I** (3)
6 hours lecture/laboratory
Prerequisite: ART 104 or 105
Note: May be taken 2 times
Transfer acceptability: CSU
The study of the properties and structure of glass and materials, equipment, and techniques used to work it in offhand method.
- ART 165 History of Art I: Survey of Western Art** (3)
3 hours lecture
Transfer acceptability: CSU; UC; CAN ART 2; ART 165+166=CAN ART SEQ A
The art forms and styles of Western man from the Paleolithic period through Medieval Gothic. Emphasis on the contribution of religion, social and political structures, heritage, and inter-cultural contacts as they influence changes in form and style.
- ART 166 History of Art II: Survey of Western Art** (3)
3 hours lecture
Transfer acceptability: CSU; UC; CAN ART 4; ART 165+166=CAN ART SEQ A
The art forms and styles of Western man from the Renaissance to the present. Emphasis on the style of individual artists and national styles as well as the contribution of religious, social, and political influences
- ART 167 History of Modern Art I: 19th Century Europe and America** (3)
3 hours lecture
Transfer acceptability: CSU; UC
European and American painting, sculpture, and architecture from 1700 to 1900. Emphasis on the styles and contributions of individual artists as well as the influence of social, political, and cultural developments.
- ART 168 History of Modern Art II: 20th Century Europe and America** (3)
3 hours lecture
Transfer acceptability: CSU; UC
Twentieth Century European and American painting, sculpture, and architecture. Emphasis on the styles and contributions of individual artists as well as the aesthetic, political, and psycho-sociological motivations behind the art of the 20th century.
- ART 182 Introduction to Arts Management** (3)
9 hours laboratory
Note: Cross listed as AMS 182/ DNCE 182/ MUS 182/ TA 182
Transfer acceptability: CSU
An introduction to the principles and practices of arts management through an interdisciplinary study of management topics in the visual and performing arts.
- ART 183 Internship in Arts Management** (3)
9 hours laboratory
Prerequisite: AMS/ART/DANCE/MUS/TA 182
Note: Cross listed as AMS 183/ DNCE 183/ MUS 183/TA 183
Transfer acceptability: CSU
Practical experience in arts management in the visual and performing arts.
- ART 197A Topics in Art – Printmaking** (.5-3)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.
Note: May be taken 4 times for a maximum of 9 units
Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.
Short and extended term lecture workshops or laboratory courses in various specialized aspects of printmaking.
- ART 197B Topics in Art – Painting** (.5-3)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.

Note: May be taken 4 times for a maximum of 9 units

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Short and extended term lecture-workshops or laboratory courses in various specialized aspects of painting.

ART 197C Topics in Art – Glass (.5-3)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.

Note: May be taken 4 times for a maximum of 9 units

Transfer acceptability: CSU

Short and extended term lecture workshops or laboratory courses in various specialized aspects of glass.

ART 197D Topics in Art – Ceramics (.5-3)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.

Note: May be taken 4 times for a maximum of 9 units

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Short and extended term lecture workshops or laboratory courses in various specialized aspects of ceramics.

ART 197E Topics in Art – Sculpture (.5-3)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to class schedule.

Note: May be taken 4 times for a maximum of 9 units

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Short and extended term lecture workshops or laboratory courses in various specialized aspects of sculpture.

ART 197F Topics in Art – Drawing (.5-3)

1 to 6 hours lecture/laboratory

Note: May be taken 4 times for a maximum of 9 units

Transfer acceptability: CSU

Short and extended term lecture-workshops or laboratory courses in various aspects of drawing techniques.

ART 197G Topics in Art – Computer Art (.5-3)

1 to 6 hours lecture/laboratory

Note: May be taken 4 times for a maximum of 9 units

Transfer acceptability: CSU

Short and extended term lecture-workshops or laboratory courses in which a teacher utilizes and teaches special computer hardware/ software relationships and processes to produce art.

ART 197H Topics in Art – General (.5-3)

1 to 6 hours lecture/laboratory

Note: May be taken 4 times for a maximum of 9 units

Transfer acceptability: CSU

Short and extended term lecture-workshops or laboratory courses in various aspects of art. Course title will designate subject covered.

ART 200 Color/Light and Theory (3)

6 hours lecture/laboratory

Prerequisite: ART 102 and 104

Note: May be taken 2 times

Transfer acceptability: CSU; UC

Investigations into the phenomenon of color and its use in art. Problems involving color and design in various media, including acrylics and collage. Exploration of the role of color in Western art from late 19th Century to the present.

ART 205 Indirect Metal Forming (3)

6 hours lecture/laboratory

Prerequisite: ART 150 or 260

Note: May be taken 2 times

Transfer acceptability: CSU

Exploration of indirect metal forming in jewelry and small sculpture. Projects in lost wax centrifugal and gravity casting, electroforming, and metal spraying.

ART 213 Illustration/Life Drawing (1)

2 hours lecture/laboratory

Note: May be taken 3 times

Transfer acceptability: CSU

The study of techniques used in drawing and painting from both nude and costumed models.

ART 214 Head Painting (1)

2 hours lecture/laboratory

Note: May be taken 3 times

Transfer acceptability: CSU

Introduction to painting techniques as they apply to the human head. Critical analysis and application of color theory and mixing principles. Analysis of human facial planes, proportion and bone structure in the application of either oil or acrylic paint.

ART 220 Oil Painting I (3)

6 hours lecture/laboratory

Prerequisite: Completion of, or concurrent enrollment in, ART 103 and 200

Note: May be taken 2 times

Transfer acceptability: CSU; UC; CAN ART 10

Fundamental methods and concepts of studio painting using oil color as the primary medium. Concentration on gaining technical skills in pictorial composition, subject interpretation, brush handling, and the use of color. Exploration of historical and contemporary styles, attitudes, and techniques.

ART 221 Oil Painting II (3)

6 hours lecture/laboratory

Prerequisite: ART 220

Note: May be taken 2 times

Transfer acceptability: CSU; UC

Advanced projects in the concepts and techniques of oil painting with concentration on individual creative progress and development.

ART 225 Acrylic Painting I (3)

6 hours lecture/laboratory

Prerequisite: Completion of, or concurrent enrollment in, ART 103 and 200

Note: May be taken 2 times

Transfer acceptability: CSU; UC

Concepts of studio painting utilizing acrylic based colors as the primary medium. Exploration of different styles and techniques with emphasis on contemporary modes of expression. Concentration on gaining skills in composition, brush handling, and the use of color.

ART 226 Acrylic Painting II (3)

6 hours lecture/laboratory

Prerequisite: ART 225

Note: May be taken 2 times

Transfer acceptability: CSU; UC

Advanced projects in the concepts and techniques of acrylic painting with emphasis on individual creative progress and development.

ART 230 Airbrush Painting I (3)

6 hours lecture/laboratory

Prerequisite: Completion of, or concurrent enrollment in, ART 103 and 200

Note: May be taken 2 times

Transfer acceptability: CSU

Emphasis on developing skills in airbrush painting and masking techniques for use in fine arts, commercial art, and photo retouching. The theory, use, and maintenance of airbrushes and associated equipment.

- ART 231 Airbrush Painting II** (3)
6 hours lecture/laboratory
Prerequisite: ART 230
Note: May be taken 2 times
Transfer acceptability: CSU
Creative approaches to airbrush painting. A continued study of airbrush techniques used in fine arts, commercial art, and photo retouching.
- ART 235 Watercolor Painting I** (3)
6 hours lecture/laboratory
Note: May be taken 2 times
Transfer acceptability: CSU; UC
Fundamental approaches to the use of watercolors and other waterbase paints in creative painting. Concentration on both literal and expressive modes utilizing a variety of subjects.
- ART 236 Watercolor Painting II** (3)
6 hours lecture/laboratory
Prerequisite: ART 235
Note: May be taken 2 times
Transfer acceptability: CSU; UC
Advanced work in watercolor media.
- ART 241 Computer Graphics** (3)
6 hours lecture/laboratory
Recommended Preparation: ARTD 150
Note: May be taken 2 times
Transfer acceptability: CSU
Two dimensional graphics applications of the computer using Adobe Photoshop software. Explore relationship between computer media and traditional art media. Digital image processing and storage, digital painting methods and layout generation. Technical issues pertaining to generation of digital art.
- ART 248 Character Animation** (1.5)
3 hours lecture/laboratory
Note: May be taken 3 times
Transfer acceptability: CSU
Fundamentals of character animation and design. Hands on experience creating hand drawn animations. Drawings are scanned and assembled on the computer. Final output is transferred onto videotape.
- ART 250 Ceramics III** (3)
6 hours lecture/laboratory
Prerequisite: ART 136
Note: May be taken 2 times; maximum of 4 completions in any combination of ART 135, ART 136, ART 250
Transfer acceptability: CSU; UC
Creative and experimental handbuilding, advanced throwing, firing techniques, glaze evaluation, and special research.
- ART 255 Foundry Techniques in Sculpture II** (3)
6 hours lecture/laboratory
Prerequisite: ART 140
Note: May be taken 2 times
Transfer acceptability: CSU
Advanced theory and practices in casting skills using foundry techniques.
- ART 260 Sculpture I** (3)
6 hours lecture/laboratory
Prerequisite: Completion of, or concurrent enrollment in, ART 102 and 105
Note: May be taken 2 times
Transfer acceptability: CSU; UC; CAN ART 12
Design and fabrication of expressive three-dimensional forms. Exploration of both historical and contemporary sculptural materials with emphasis on 20th Century models of expression.
- ART 261 Sculpture II** (3)
6 hours lecture/laboratory
Prerequisite: ART 260
Note: May be taken 2 times
- Transfer acceptability:** CSU; UC
Advanced projects in the concept and creation of original sculpture.
- ART 265 Ceramic Sculpture I** (3)
6 hours lecture/laboratory
Prerequisite: ART 102 or 104 or 105, and ART 135
Note: May be taken 2 times
Transfer acceptability: CSU; UC
Creative projects and experimentation using clay as the primary material for non-utilitarian expressive forms.
- ART 266 Ceramic Sculpture II** (3)
6 hours lecture/laboratory
Prerequisite: ART 265
Note: May be taken 2 times
Transfer acceptability: CSU; UC
Advanced problems in creative and experimental uses of clay for non-utilitarian expressive forms.
- ART 270 Jewelry and Metalsmithing Design III** (3)
6 hours lecture/laboratory
Prerequisite: ART 151
Note: May be taken 2 times; maximum of 4 completions in any combination of ART 150, ART 151, ART 270
Transfer acceptability: CSU
Continued exploration of the manipulation of metal. Advanced projects in jewelry and metalsmithing.
- ART 275 Stained Glass II** (3)
6 hours lecture/laboratory
Prerequisite: ART 155
Note: May be taken 2 times
Transfer acceptability: CSU
Creative expression in flat glass. Emphasis on architectural and fine arts application of the medium. Painting, enameling, and etching techniques will be explored in depth.
- ART 276 Cold Glass Design** (1)
2 hours lecture/laboratory
Note: May be taken 3 times
Transfer acceptability: CSU
Applications of the materials and processes involved in the production of flat glass materials. Emphasis is on the design of stained glass and problem solving during fabrication of designs.
- ART 277 Glass Casting** (1)
2 hours lecture/laboratory
Note: May be taken 3 times
Transfer acceptability: CSU
The study of the properties of molten glass as applied to glass casting. The acquisition of knowledge through problem solving using open face glass casting techniques.
- ART 280 Glassblowing-Offhand II** (3)
6 hours lecture/laboratory
Prerequisite: ART 160
Note: May be taken 2 times
Transfer acceptability: CSU
Advanced problems in the creation of fine blown glass.
- ART 295 Directed Study in Art** (1,2,3)
3, 6, or 9 hours laboratory
Prerequisite: 18 units of college-level art including ART 102, 104 or 105, 165, and 166, and instructor's approval of proposed project or research
Note: May be taken 4 times for a maximum of 9 units
Transfer acceptability: CSU; UC - Credit determined by UC upon review of course syllabus.
Independent study for advanced students dealing with projects or research in areas not covered by regular classes. Students will work under the guidance of an instructor.

ART 296 Special Projects (1,2,3)
 2, 4, or 6 hours lecture/laboratory
Prerequisite: A minimum grade of 'B' in 6 units of college-level course work in a specialized area of art, and instructor's approval of the proposed project
Note: May be taken 4 times for a maximum of 9 units
Transfer acceptability: CSU; UC- Credit determined by UC upon review of course syllabus.
 A course for the student who has demonstrated a proficiency in art and wishes to work beyond existing classes or desires to pursue a project which does not fit into the context of existing classes. Students will work directly with an instructor.

Art - Design (ARTD)

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

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAM OF STUDY

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.A. DEGREE MAJOR

Program Requirements	Units
ART 104 Design and Composition	3
ART 166 History of Art II	3
ART 200 Color/Light and Theory	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
ARTD 250 New Media Studio	3
ARTI 100 Introduction to Illustration	3
ARTI 246 Digital 3D Design and Modeling	3
ARTI 247 Digital 3D Design and Animation	3
BUS 150 Advertising	3
PHOT 100 Elementary Photography	3.5
Final Art Portfolio Review	0
Electives (Select 6-7 units)	
ART 120 Life Drawing and Composition I	3
ART 296 Special Projects	1,2,3
ARTI 220 Illustration II Digital Techniques	3
R GCIP/	
GCIP 140 Digital Imaging/Photoshop I	3
R GCIP/	
GCIP 152 Desktop Publishing/Illustrator I	3
RTV 275 Avid Editing for Television and Film	3
BMGT 105 Small Business Management	3
MUS 180 Computer Music I	3
MUS 181 or Computer Music II	
MUS 184 Electronic Ensemble	3
CE 100 Cooperative Education	1,2,3,4
TOTAL UNITS	48.5 - 49.5

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

COURSE OFFERINGS

ARTD 100 Graphic Design I (3)
 6 hours lecture/laboratory
Note: May be taken 2 times
Transfer acceptability: CSU

Design principles as they apply to graphic communication. Abstract and pictorial Design for the printed media. Film and architectural signage. Lettering is applied as an abstract Design element.

ARTD 150 Digital Concepts and Techniques in Art (3)

6 hours lecture/laboratory

Prerequisite: ARTD 100

Note: May be taken 2 times

Transfer acceptability: CSU; UC

An overview of vector based and pixel based computer applications, and how they are used in a creative environment. Understanding of the underlying logic of computer software will be taught with an emphasis on the role of the computer in all forms of modern art-making. Students will learn how to use the computer as a tool effectively while developing their own method of creating digital artwork. Cross-platform issues will be addressed, as well as file preparation for various output media.

ARTD 200 Graphic Design II – Lettering and Layout (3)

6 hours lecture/laboratory

Prerequisite: ARTD 100

Recommended preparation: ARTD 150

Note: May be taken 2 times

Transfer acceptability: CSU

The study of the historical roots and nomenclature of lettering forms and the development of grid systems to aid in the development of successful layout Designs. Design and assembly utilizing both hand skills and computer software will be taught.

ARTD 210 Typography Design (3)

6 hours lecture/laboratory

Recommended preparation: ARTD 150

Note: May be taken 2 times

Transfer acceptability: CSU

Introduction to the historical roots and contemporary technology of typography. Provides a critical analysis of technical processes and elements through assignments that define its symbolic and communicative aspects.

ARTD 220 Motion Design (3)

6 hours lecture/laboratory

Recommended preparation: ART 241

Note: May be taken 3 times

Transfer acceptability: CSU

An introduction to the concepts and techniques of animation and multimedia for personal computers using After Effects. Emphasis will be placed on the role of the artist and in the development process and as a key link in determining the success of the final project.

ARTD 250 New Media Studio (3)

6 hours lecture/laboratory

Prerequisite: Enrollment based on portfolio review with list of criteria

Note: May be taken 3 times

Transfer acceptability: CSU

An advanced class using digital tools that focuses on collaborative creative projects. Joint concept development, communication, critical thinking and creative teamwork will be stressed. Emphasis will be placed on the integration of graphic design, illustration. 2-D and 3-D animation and fine art components into professional quality multimedia projects. Students from the Art Department will have the opportunity to collaborate with students from music and computer science.

Art - Illustration (ARTI)

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

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAMS OF STUDY

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.A. DEGREE MAJOR

Program Requirements		Units
ART 104	Design and Composition	3
ART 120	Life Drawing and Composition I	3
ART 125	Head Drawing	3
ART 166	History of Art II	3
ART 200	Color/Light and Theory	3
ART 220 or ART 225	Oil Painting I Acrylic Painting I	3
ARTD 150	Digital Concepts and Techniques in Art	3
ARTI 100	Introduction to Illustration	3
ARTI 200	Rendering	3
ARTI 210	Illustration I	3
ARTI 220	Illustration II, Digital Techniques	3
ARTI 230	Illustration III, Experimental Techniques	3
ARTI 246	Digital 3D Design and Modeling	3
ARTI 247	Digital 3D Design and Animation Final Art Portfolio Review	3 0
Electives (Select 3 units)		
ART 121	Life Drawing and Composition II	3
ART 197B	Topics in Art - Painting	.5-3
ART 197F	Topics in Art - Drawing	.5-3
ART 235	Watercolor Painting I	3
ART 296	Special Projects	1,2,3
ARTD 100	Graphic Design I	3
ARTD 220	Motion Design	3
ARTD 250	New Media Studio	3
BUS 150	Advertising	3
BMGT 105	Small Business Management	3
PHOT 100	Elementary Photography	3.5
CE 100	Cooperative Education	1,2,3,4
TOTAL UNITS		45

Illustration A.A. Degree Major is also listed in Art.

COURSE OFFERINGS

ARTI 100	Introduction to Illustration	(3)
<i>6 hours lecture/laboratory</i>		
Transfer acceptability: CSU		
A course on proportion and structure, quick sketching, gesture, and contour drawing. Included is the study of perspective and drawing of mechanical and natural forms by the use of line and value. Emphasis is placed on the evolutionary development of visual ideas.		
ARTI 200	Rendering	(3)
<i>6 hours lecture/laboratory</i>		
Recommended preparation: ART 103, ARTI 100		
Note: May be taken 2 times		
Transfer acceptability: CSU		
Application of various media and techniques for illustrating known products and services or the illustration of design ideas for students in design and architecture. Emphasis is on the development of proficiency and the encouragement of comparison of student work with current professional work.		
ARTI 210	Illustration I - Traditional Techniques	(3)
<i>6 hours lecture/laboratory</i>		
Prerequisite: ARTI 100		
Transfer acceptability: CSU		
Course work that reflects the types of assignments an illustrator may encounter		

in the industry, using a variety of traditional media and techniques. Contemporary principles of concept development and problem solving will be explored, using stylization, design, composition and color as methods of communication. Accurate analysis, historical reference, oral and graphic presentation of ideas, sketches and finished art will be stressed.

ARTI 220 Illustration II - Digital Techniques **(3)**

6 hours lecture/laboratory

Prerequisite: ARTI 200 and ARTI 210

Note: May be taken 2 times

Transfer acceptability: CSU

A course for advanced illustration students that focuses on creating non-traditional professional level commercial artwork. Media experimentation, and combination of traditional methods with digital applications is used to create finished pieces that are conceptually and visually interesting and strong. Students are encouraged to develop and strengthen personal and distinctive approaches to Illustration. Portfolio preparation for admission to high quality 4-year art and Design programs, or for entry into to the work force will be examined and applied. Students will also gain insight into self-promotion and marketing strategies. Contracts, self-employment issues and billing procedures will be explained.

ARTI 230 Illustration III – Experimental Techniques **(3)**

6 hours lecture/laboratory

Prerequisite: ARTI 220

Note: May be taken 3 times

Transfer acceptability: CSU

Coursework will reflect advanced illustration concepts, conceptually and technically. Students will combine experimental traditional and digital techniques to create projects that reflect a professional level of finish and format. Projects will focus on conceptual content and process, and represent a range of possible industry application, such as entertainment design, editorial illustration and illustrations for an interactive environment.

ARTI 246 Digital 3D Design and Modeling **(3)**

6 hours lecture/laboratory

Recommended preparation: ARTD 150

Note: May be taken 3 times

Transfer acceptability: CSU

Fundamentals of computerized 3-D modeling and Design. Hands on experience with modeling, lighting, developing texture maps and rendering

ARTI 247 Digital 3D Design and Animation **(3)**

6 hours lecture/laboratory

Recommended preparation: ARTD 220

Note: May be taken 3 times

Transfer acceptability: CSU

Concepts and techniques of 3-dimensional animation using Maya software. The course will provide an understanding of the production, animation and postproduction process.

Astronomy (ASTR)

Contact the Earth, Space, and Aviation Sciences Department for further information, (760) 744-1150, ext. 2512. For transfer information, consult a Palomar College counselor.

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

Planetarium

Palomar College offers several types of planetarium programs for the community. School programs are presented on Tuesday and Thursday mornings for area elementary and secondary schools. The planetarium also offers two evening shows a month, open to the public. For further information, contact the planetarium at (760) 744 1150, ext. 2833 or the Earth, Space, and Aviation Sciences Department.