

in accordance with Cuyamaca College policies. Please note: This may be different than how the external exam is used on an IGETC certification.

- Complete a minimum of 18 units in an Area of Emphasis (listed below).
- Complete a minimum of 60 degree applicable UC transferable semester units for UC University Studies.
- Earn a cumulative GPA of 2.0 in all college course work completed.
- Meet Cuyamaca College residence requirements for graduation (see Admission Information).

**AND****III. Area of Emphasis**

- Business and Economics
- Communication and Language Arts
- Humanities and Fine Arts
- Science and Mathematics
- Social and Behavioral Sciences

While 18 units are required in a specific area to meet the requirements of the degree, it is strongly recommended that as many lower division preparation for the major courses as possible be completed at the community college prior to transfer. Some baccalaureate majors and four-year institutions require a higher GPA than is necessary for the associate degree. Courses that are not UC-transferable

will not be used in the UC University Studies Area of Emphasis Degrees. Completion of the University Studies degree does not guarantee admission to a four-year institution.

Courses for the Associate in Science in University Studies with an Emphasis in Science and Mathematics focus on the study of mathematical and quantitative reasoning skills and the application of facts and principles that form the foundations of living and non-living systems. Students will recognize and utilize the methodologies of science as investigative tools, as well as the limitations of science. Students will use mathematical skills to solve numerical problems encountered in daily life, as well as more advanced skills for applications in the physical and life sciences. Students completing this area may be interested in the following baccalaureate majors: astronomy, biological sciences, chemistry, computer science, engineering, geography, geology, mathematics, oceanography, physical science, and physics. Students must complete a minimum of six units in Science and six units in Mathematics (limitation of one statistics course). The remaining six units may be taken from either category.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

- Use arithmetical, algebraic, geometric and statistical methods to solve problems.
- Interpret mathematical models such as formulas, graphs, tables and schematics, and draw inferences from them.
- Represent mathematical information symbolically, visually, numerically and verbally.
- Use the scientific method of inquiry and techniques to answer questions about physical and biological processes.
- Analyze basic concepts of physical and biological science to evaluate scientific information and solve scientific problems.

**Science**

ANTH 130  
 ASTR 110, 112  
 BIO 115, 122, 130, 131, 133, 134, 135\*, 140,141, 141L, 152\*, 230, 240, 251  
 CHEM 102, 115, 116, 120, 141, 142, 231, 232  
 CS 119, 119L, 181, 182, 281, 282  
 GEOG 120, 121  
 GEOL 104, 110, 111  
 OCEA 112, 113  
 PHYC 110, 130, 131, 190, 200, 210

**Mathematics**

BIO 215  
 MATH 160, 170\*, 175, 176, 178, 180, 245, 280, 281, 284, 285  
 PSY 215

\* Course not UC transferable

## VISUAL & PERFORMING ARTS

### ART



## Associate Degree for Transfer<sup>SM</sup>

**I. ART HISTORY FOR TRANSFER (AA-T)**

The Associate in Arts in Art History for Transfer degree is designed to provide students with an understanding and an appreciation of the arts in a variety of cultures and civilizations throughout history. This degree prepares students to transfer to a California State University where a baccalaureate degree may be earned in art, art history, or a related field.

The following is required for the Associate in Arts in Art History for Transfer degree:

- Minimum of 60 semester or 90 quarter CSU-transferable units.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework.
- Minimum of 18 semester or 27 quarter units in the major.
- A grade of "C" or better in all courses required for the major.
- Certified completion of the California State University General Education (CSU GE) Breadth pattern OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern; see Degree Requirements and Transfer Information section for more information. Note: If following IGETC, IGETC-CSU must be followed for admission to a CSU.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

- Analyze the role and development of the visual arts in past and present cultures throughout the world, noting human diversity as it relates to the visual arts and the artists.
- Analyze and derive meaning from works of art according to the elements of art, the principles of design and aesthetic qualities.
- Demonstrate how the arts help to understand the past.
- Define artistic historical periods and transitions.

**Associate in Arts Degree Requirements:****Core Curriculum:**

Course	Title	Units
ART 140	Survey of Western Art I: Prehistory through Middle Ages	3
ART 141	Survey of Western Art II: Renaissance through Modern	3
ART 124	Drawing I	3
		<hr/> 9

**List A: Select one:**

ART 146	Asian Art	3
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**List B: Select one:**

ART 120	Two-Dimensional Design	3
ART 121	Painting I	3
ART 129	Three-Dimensional Design	3
ART 135	Watercolor I	3
ART 230	Figure Drawing I	3
		<hr/> 3

**List C: Select one:**

Any List B course not already used		3
ART 143	Modern Art	3
ART 144	Architecture of the 20th Century	3
ART 145	Contemporary Art History:	3

	1945-Present	3
HUM 110	Principles of the Humanities	3
HUM 115	Arts and Culture in Local Context-San Diego	3
HUM 116	Kumeyaay Arts and Culture	3
		<hr/> 3
	Total Units for Major (6-9 units may be double-counted with GE)	18
	Total Units for CSU GE or IGETC-CSU	37-39
	Total Transferable Elective Units	9-14
	Total Units for Degree	60



## Associate Degree for Transfer<sup>SM</sup>

**II. STUDIO ARTS FOR TRANSFER (AA-T)**

The AA-T in Studio Arts is designed to prepare students to transfer to a California State University (CSU) with the intent of earning a B.A. degree in an area such as Fine Arts or Studio Arts. Students who earn this degree will have the techniques necessary to create a variety of two- and three-dimensional art projects while demonstrating an increased aesthetic awareness. They will have the ability to use visual media to generate ideas, solve visual problems, enhance perception, think and respond critically to visual information in their lives, identify and describe the historical and cultural contexts of artwork, and assess the role of the visual arts in culture as a vehicle of human expression.

The following is required for the AA-T in Studio Arts for Transfer degree:

- Minimum of 60 semester or 90 quarter CSU-transferable units.

- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework.
- Minimum of 18 semester or 27 quarter units in the major.
- A grade of "C" or better in all courses required for the major.
- Certified completion of the California State University General Education (CSU GE) Breadth pattern OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern; see Degree Requirements and Transfer Information section for more information. Note: If following IGETC, IGETC-CSU must be followed for admission to a CSU.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Use the vocabulary of the visual arts to express their observations as they perceive and respond to works of art, objects in nature, events, and the environment.
- Apply artistic processes and skills using a variety of media to communicate meaning and intent in original works of art.
- Analyze the role and development of the visual arts in past and present cultures throughout the world, noting human diversity as it relates to the visual arts and the artists.
- Analyze and derive meaning from works of art, including their own, according to the elements of art, the principles of design, and aesthetic qualities.
- Apply what they have learned in the visual arts across subject areas by developing competencies and creative skills in problem solving, communication, management of time, and identifying resources that contribute to lifelong learning, career skills, and careers in and related to the visual arts.

### Associate in Arts Degree Requirements:

#### Core Curriculum:

Course	Title	Units
ART 120	Two-Dimensional Design	3
ART 124	Drawing I	3
ART 129	Three-Dimensional Design	3
ART 141	Survey of Western Art II: Renaissance through Modern	3
		<u>12</u>

#### List A: Select one of the following:

ART 140	Survey of Western Art I: Prehistory through Middle Ages	3
ART 143	Modern Art	3
ART 144	Architecture of the 20th Century	3
ART 145	Contemporary Art	3
ART 146	Asian Art	3
		<u>3</u>

#### List B: Select three of the following:

ART 121	Painting I	3
ART 125	Drawing II	3
ART 135	Watercolor I	3
ART 148	Applied Design and Crafts	3
ART 230	Figure Drawing I	3
		<u>9</u>
	Total Units for Major (6 units may be double-counted with GE)	24
	Total Units for CSU GE Breadth or IGETC-CSU	37-39
	Total Transferable Elective Units	3-5
	Total Units for Degree	60

Please note: SDSU accepts this degree for students transferring into Art (Studio Arts emphasis).

### III. ART AND DESIGN

This degree program emphasizes aesthetics, design and craft using manual and digital mediums. Students will develop their ability to think spatially in two and three dimensions and to use creative problem-solving techniques using images and letter forms. Students will develop a professional portfolio for placement at a four-year university. *Designed for students interested in pursuing a bachelor's degree in Graphic Design; please consult the catalog of the transfer institution for specific requirements. Students interested in pursuing the entry level, two-year associate degree or certificate in graphic design should refer to the Graphic Design program.*

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Use the vocabulary of the visual arts to express their observations as they perceive and respond to works of art, objects in nature, events, and the environment;
- Apply artistic processes and skills, using a variety of media to communicate meaning and intent in original works of art;
- Analyze the role and development of the visual arts in past and present cultures throughout the world, noting human diversity as it relates to the visual arts and artists;
- Analyze, assess, and derive meaning from works of art, including their own, according to the elements of art, the principles of design, and aesthetic qualities;
- Apply what they learn in the visual arts across subject areas; develop competencies and creative skills in problem solving, communication, and management of time and resources that contribute to lifelong learning and career skills; and identify careers in and related to the visual arts.

### CAREER OPPORTUNITIES

- \* Advertising Director  
Advertising
- \* Art Director  
Desktop Publishing  
Display Designer  
Graphic Designer  
Illustrator
- \* Marketing Director  
Multimedia  
Package Designer  
Web Page Designer
- \* Bachelor Degree or higher required

### Associate in Arts Degree Requirements:

Course	Title	Units
ART 120	Two-Dimensional Design	3
ART 124	Drawing I	3
ART 129	Three-Dimensional Design	3
ART 140	Survey of Western Art I: Prehistory through Middle Ages	3
ART 141	Survey of Western Art II: Renaissance through Modern	3
ART 149	History of Graphic Design	3
ART 177	Digital Drawing and Painting	3
ART 230	Figure Drawing I	3
ART 241	Illustration I	3
GD 105	Fundamentals of Digital Media	3
GD 110	Graphic Design Principles	3
GD 125	Typography	3
GD 126	Adobe Photoshop Digital Imaging	3
		<u>39</u>

### Select one of the following:

ART 121	Painting I	3
ART 242	Illustration II	3
GD 130	Professional Business Practices	3
GD 210	Professional Digital Photography I	3
GD 217	WEB Graphics	3
GD 222	WEB Animation	3
GD 225	Digital Illustration	3
		<u>3</u>
	Total Required	42
	Plus General Education Requirements	

**Recommended Electives:** ART 135, BUS 110, GD 230

### IV. ART-DRAWING AND PAINTING

This degree program is designed to provide a fundamental background in two-dimensional studio arts, emphasizing both technique and aesthetic awareness. The curriculum consists of courses in both studio techniques and art history. Students will develop their ability to control line, value, shape, color, perspective and composition in various mediums. The major provides preparation for transfer to a four-year college in fine art or a vocational area related to art.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Use the vocabulary of the visual arts to express their observations as they perceive and respond to works of art, objects in nature, events and the environment.
- Apply artistic processes and skills, using a variety of media to communicate meaning and intent in original works of art.
- Analyze the role and development of the visual arts in the past and present cultures throughout the world, noting human diversity as it relates to the visual arts and the artists.
- Analyze, access and derive meaning from works of art, including their own, according to the elements of art, the principles of design and aesthetic qualities.
- Apply what they learned in the visual arts across subject areas, develop competencies and creative skills in problem solving, communication, and management of time and resources that contribute to lifelong learning and career skills, and identify careers in and related to the visual arts.

**CAREER OPPORTUNITIES**

- \* Advertising Specialist
- Antique Dealer
- \* Art Conservator
- \* Art Therapist
- Arts Administration
- Cartoonist
- \* Curator
- Display Manager
- \* Fashion Designer
- Gallery Owner
- Illustrator
- Independent Artist
- \* Interior Design
- Jewelry Designer
- Museum Technician
- Painter
- Police Artist
- Set Designer
- \* Teacher/Professor
- \* Bachelor Degree or higher required

- Display Designer
- Graphic Designer
- Illustrator
- \* Marketing Director
- Multimedia Designer
- Package Designer
- Technical Illustrator
- Web Designer
- \* Bachelor Degree or higher required

**Course Equivalencies:**

The following Cuyamaca and Grossmont College courses are considered similar enough to be treated as equivalent. Modification of Major forms are not required.

	<i>Similar</i>	
	<i>Grossmont</i>	
	<i>Course</i>	<i>Course</i>
Cuyamaca		ART 171
Course		
GD 105 .....		

**Associate in Science Degree Requirements:**

Course	Title	Units
ART 124	Drawing I	3
CIS 211	Web Development I	3
GD 105	Fundamentals of Digital Media	3
GD 110	Graphic Design Principles	3
GD 125	Typography	3
GD 126	Adobe Photoshop Digital Imaging	3
GD 129	Page Layout	3
GD 130	Professional Business Practices	3
GD 225	Digital Illustration	3
		27

**Select three of the following:**

ART 230	Figure Drawing I	3
GD 115	Introduction to Multimedia	3
GD 210	Professional Digital Photography I	3
GD 211	Professional Digital Photography II	3
GD 212	Professional Digital Photography III	3
GD 217	Web Graphics	3
GD 222	Web Animation	3
GD 223	Advanced Web Animation	3
GD 230	Graphic Design Work Experience	1-4
		7-10
	Total Required	34-37
	Plus General Education Requirements	

**Certificate of Achievement**

Students who complete only the major requirements above qualify for a Certificate in Graphic Design. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

**CERTIFICATES OF SPECIALIZATION:**

These certificates offer specific training either for entry-level positions or to augment related programs such as Web Development or Graphic Design. They are designed to demonstrate a relatively narrow expertise or skill area that may be used to attain a graphic design "niche" job.

Students who complete the requirements below qualify for a certificate in that area of emphasis. An official request must be filed with the Admissions and Records Office prior to the deadline as stated in the Academic Calendar.

**I. DIGITAL PHOTOGRAPHY**

**Program Learning Outcomes**

Upon successful completion of this certificate, students will be able to:

- Clarify design objectives and then apply design principles and production techniques to develop effective photographic images using industry standard equipment and software.

**Certificate Requirements:**

Course	Title	Units
GD 126	Adobe Photoshop Digital Imaging	3
GD 130	Professional Business Practices	3
GD 210	Professional Digital Photography I	3
GD 211	Professional Digital Photography II	3
GD 212	Professional Digital Photography III	3
	Total Required	15

**II. WEB GRAPHICS**

**Program Learning Outcomes**

Upon successful completion of this certificate, students will be able to:

- Clarify design objectives and then apply design principles, communication skills, and production techniques to develop effective web designs using industry standard software.

**Certificate Requirements:**

Course	Title	Units
CIS 211	Web Development I	3
GD 110	Graphic Design Principles	3
GD 210	Professional Digital Photography I	3
GD 217	Web Graphics	3
GD 222	Web Animation	3
	Total Required	15

**MUSIC**



Associate Degree  
for Transfer™

**I. MUSIC FOR TRANSFER (AA-T)**

The AA-T in Music for Transfer is designed to prepare students to transfer to a California State University (CSU) with the intent of earning a B.A. in music. Students who earn this degree will have the fundamental knowledge and skills necessary to succeed in a music degree at the baccalaureate level. The curriculum combines music theory, applied studies, and performance at the lower division level.

The following is required for the AA-T in Music for Transfer degree:

1. Minimum of 60 semester or 90 quarter CSU-transferable units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework.
3. Minimum of 18 semester or 27 quarter units in the major.
4. A grade of "C" or better in all courses required for the major.
5. Certified completion of the Intersegmental General Education Transfer Curriculum (IGETC-CSU); see Degree Requirements and Transfer Information section for more information.

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

- Analyze a musical score to determine its key, harmonic structure, musical style, and form.
- Identify musical elements in performances and relate them to their cultural and historical contexts.
- Use either the voice or a musical instrument to perform an intermediate level work with reliable technique and appropriate stylistic interpretation.
- Perform musical works in a large vocal or instrumental ensemble.
- Demonstrate proficiency on either a musical instrument or with the voice.

**Associate in Arts Degree Requirements:**

Course	Title	Units
ART 120	Two-Dimensional Design	3
ART 121	Painting I	3
ART 124	Drawing I	3
ART 125	Drawing II	3
ART 140	Survey of Western Art I: Prehistory through Middle Ages	3
ART 141	Survey of Western Art II: Renaissance through Modern	3
ART 230	Figure Drawing I	3
GD 105	Fundamentals of Digital Media	3
		24

**Select six units from the following:**

ART 129	Three-Dimensional Design	3
ART 135	Watercolor I	3
ART 143	Modern Art	3
ART 145	Contemporary Art	3
ART 220	Painting II	3
ART 231	Figure Drawing II	3
ART 241	Illustration I	3
ART 242	Illustration II	3
GD 225	Digital Illustration	3
		6
	Total Required	30
	Plus General Education Requirements	

**Recommended Electives:** HIST 105, HUM 155, RELG 120

**GRAPHIC DESIGN**

Students in this degree program develop entry level skills in design aesthetics, typography, illustration, digital imaging, page layout, web design and professional business practices. The course work provides training with state of the art computer hardware and software used in the graphic design profession. Students develop a professional portfolio for job interviews. *Designed for a two-year degree or certificate only. Students interested in pursuing a bachelor's degree should refer to the Art-Graphic Design degree; please consult the catalog of the transfer institution for specific requirements.*

**Program Learning Outcomes**

Upon successful completion of this program, students will be able to:

- Clarify design objectives and then apply design principles, communication skills, and production techniques to develop effective designs using industry standard software.

**CAREER OPPORTUNITIES**

- \* Advertising Director
- \* Art Director
- Cartoonist
- Desktop Publisher