

Architecture

Departments of Applied Technology, CIS/ Electronics, and Administration of Justice

Dean Terry Davis, M.H.A., Office 1000K, 619-482-6551

Faculty Thomas Rogo, M.Arch.

Department Chair David Preciado, A.A.

General Description

Architecture is the study of creating livable and workable environments balancing social, political, economic, technical, and aesthetic requirements with human needs. Although building design is the ultimate goal of the program of study, knowledge about how people affect environments and manage resources in the creation of structure is of major importance. Architects rely on an understanding of a diversity of subjects including mathematics, physics, design, graphics, engineering, architecture history, visual art, social sciences, and humanities.

Career Options

Below is a sample of the career options available to the architecture major. A few of these require an associate degree, some require a bachelor's degree, and most require a graduate-level degree: architect, urban planner, environmental researcher, architectural technician, vocational teacher, college instructor, landscape architect or technician, building contractor, construction supervisor, CAD specialist, architectural engineer, construction manager, drafting technician, and the allied professions such as business, marketing, and interior design.

Degree/Certificate Options

	Major Code
Associate in Science Degree: Transfer Preparation	
Architecture	01940
Associate in Science Degree: Career/Technical	
Architecture Technology	02840
Certificates of Achievement	
Architecture Technology—Basic	02842
Architecture Technology—Advanced	02841

Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

ASSOCIATE IN SCIENCE DEGREE

Architecture

Transfer Preparation * (Major Code: 01940)

Designed to provide the student with the creative problem-solving skills and critical thinking processes necessary to successfully complete upper-division baccalaureate work leading to the professional bachelor of architecture degree. The curriculum is articulated to Cal Poly, San Luis Obispo and fulfills most of the first and second year requirements at Cal Poly, Pomona; UC Berkeley, the New School of Architecture, San Diego State, and other baccalaureate institutions.

Academic placement at the transfer institution is based upon evaluation of a portfolio of the student's work. Students will be required to develop a portfolio of their work for purposes of evaluation by the transfer institution. The courses listed are the architecture courses required to obtain the associate degree in architecture. Students wishing to transfer to the California State University should follow, General Education Breadth Requirement California State University. Students should review specific course requirements of the transfer institution and consult with a counselor as to which courses taken at Southwestern College will articulate to their chosen college.

First Semester

ARCH 110	Freehand Drawing	3
ARCH 115	Architectural Graphics	3
ARCH 150	Architectural Design I	5

Second Semester

ARCH 112	Architectural Rendering	3
ARCH 151	Architectural Design II	3
ARCH 165	Architectural Practice I	2

Third Semester

ARCH 200	Introduction to Computer Aided Design	3
ARCH 235	Structures	3
ARCH 252	Architectural Design III	3
ARCH 265	Architectural Practice II	2

Fourth Semester

ARCH 222	Environmental Controls	2
ARCH 253	Architectural Design IV	3
ARCH 266	Architectural Practice III	2

Total units 37

Recommended Electives: ARCH 114, 205, 210

*To earn an associate degree, additional general education and graduation requirements must be completed.
See page 51.*



- * Students planning to transfer to a four-year college or university should complete courses specific to the transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center. **See catalog TRANSFER COURSES INFORMATION section on page 33 for further information.**

Architecture Technology

Career/Technical (Major Code: 02840)

Designed to provide the student with the skills and technical knowledge required for employment as technicians in the environmental design departments of architecture, landscape architecture, urban planning, and environmental research. Students also are placed within the building construction industry and its allied professions.

First Semester

ARCH 110	Freehand Drawing	3
ARCH 115	Architectural Graphics	3
ARCH 150	Architectural Design I	5

Second Semester

ARCH 112	Architectural Rendering	3
ARCH 151	Architectural Design II	3
ARCH 165	Architectural Practice I	2

Third Semester

ARCH 200	Introduction to Computer Aided Design	3
ARCH 235	Structures	3
ARCH 265	Architectural Practice II	2

Fourth Semester

ARCH 209	Construction Surveying	3
ARCH 210	World Architecture II	3
ARCH 222	Environmental Controls	2
ARCH 266	Architectural Practice III	2

Total units 37

*To earn an associate degree, additional general education and graduation requirements must be completed.
See page 51.*

CERTIFICATES

Architecture Technology—Basic

Certificate of Achievement

Career/Technical (Major Code: 02842)

First Semester

ARCH 110	Freehand Drawing	3
ARCH 115	Architectural Graphics	3
ARCH 150	Architectural Design I	5

Second Semester

ARCH 112	Architectural Rendering	3
ARCH 151	Architectural Design II	3
ARCH 165	Architectural Practice I	2

Third Semester

ARCH 200	Introduction to Computer Aided Design	3
ARCH 235	Structures	3
ARCH 265	Architectural Practice II	2

Fourth Semester

ARCH 209	Construction Surveying	3
ARCH 210	World Architecture II	3
ARCH 222	Environmental Controls	2
ARCH 266	Architectural Practice III	2

Total units 37

Architecture Technology—Advanced

Certificate of Achievement

Career/Technical (Major Code: 02841)

First Semester

ARCH 110	Freehand Drawing	3
ARCH 115	Architectural Graphics	3
ARCH 150	Architectural Design I	5

Second Semester

ARCH 112	Architectural Rendering	3
ARCH 151	Architectural Design II	3
ARCH 165	Architectural Practice I	2

Third Semester

ARCH 200	Introduction to Computer Aided Design	3
ARCH 235	Structures	3
ARCH 265	Architectural Practice II	2

Fourth Semester

ARCH 209	Construction Surveying	3
ARCH 210	World Architecture II	3
ARCH 222	Environmental Controls	2
ARCH 266	Architectural Practice III	2

Additional Courses

ARCH 114	Advanced Architectural Rendering	3
ARCH 205	Advanced Architectural CAD	3

Total units **43**

Art

School of Arts and Communication

Dean Donna Arnold, M.S., Office 702B, 619-482-6372

Faculty John O. Lewis, M.F.A.; David Quattrociocchi, M.F.A.; Marisol Rendon Ober, M.F.A.; Elizabeth Sisco, M.F.A.; Matt Micajah Truitt, M.F.A.; Mark Van Stone, Ph.D.; Perry Vasquez, M.F.A., A.B.

Department Chair Marisol Rendon, M.F.A.

General Description

Art is the study of visual thinking, idea generation, and the creation of aesthetic objects. This department explores concepts of creative intelligence and art making techniques for a full range of two- and three-dimensional forms and investigates the history of art in both Western and non-Western cultures. Students learn the language of art, design principles, and elements of composition, as the foundation for the communication of visual ideas into such forms as painting, drawing, photography, digital imagery, ceramics, new genres, sculpture, printmaking, and graphic design. Art analysis, theory, and criticism serve as the basis for problem solving.

Career Options

Below is a sample of the career options for art majors. Most require an associate degree, some require a bachelor's degree, and a few require a graduate-level degree. Possible career options include artist, graphic artist, computer technician, photographer, elementary school or high school teacher, college instructor, gallery director, museum technician, sales, museum director or curator, materials supplier, film/video maker, broker, consultant, and the allied professions of architecture, telemedia, and interior design.

Degree/Certificate Options

Associate in Arts Degree: Transfer Preparation

Art	01210
Graphic Design	01090
Photography	01380

Certificate of Achievement

Professional Photography	01381
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Certificate of Proficiency

Graphic Applications	02574
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Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

