

DIVISION OF CAREER & TECHNICAL EDUCATION

# ARCHITECTURAL DESIGN & DRAWING

ASSOCIATE OF SCIENCE DEGREE

This major provides a focused course of study for students in preparation for careers as designers of architectural projects and potential licensure as architects. Emphasis is placed on project visualization, industry-standard drawing techniques and conventions, computer-aided drafting (CAD) skills, and the specific preparation of architectural building plans. Additionally, the integral coursework includes a focus on the official code requirements necessary for residential and commercial building projects. The curriculum also includes introductory coursework in the associated fields of project engineering and construction. As a degree (in contrast to a certificate), this program requires the completion of general education courses; however, if transfer to a university for a baccalaureate or advanced degree is desired, interested students should carefully consider the specific admission and transfer requirements for individual colleges and universities. This program is not designed to fulfill the most common requirements for transfer to a university in architecture; please refer to the Associate of Science Degree in Architecture for such preparation.

To acquire the **Associate of Science Degree in Architectural Design and Drawing**, students must complete the required major courses below with a grade of “C” or better along with one of the following:

- RHC GE and Proficiency requirements
- CSU GE (California State University General Education Breadth)
- IGETC (Intersegmental General Education Transfer Curriculum)

Required Courses	Units	N	IP	C
<b>ARCH/CIV/ENGT 101</b> Intro. To Technical Drawing & Graphics	<b>3</b>			
<b>ARCH 110</b> Construction Document Reading and Estimating	<b>3</b>			
<b>ARCH 115</b> Intro to Residential Arch: Drawing and Design	<b>4</b>			
<b>ARCH 125</b> *Residential Architecture: Design & Drawing	<b>4</b>			
<b>ARCH 225</b> *Commercial Architecture: Design & Construction	<b>4</b>			
<b>CIV 140</b> Civil Engineering & Construction Fundamentals	<b>4</b>			
<b>ENGT 105</b> Introduction to Visualization, Sketching, & Rendering	<b>2</b>			
<b>ENGT 150 or</b> AutoCAD for Basic CADD Applications	<b>4</b>			
<b>ENGT 170</b> MicroStation for Basic CADD Applications				
<b>Choose a minimum of 3 units from the following:</b>				
<b>ARCH 215</b> *Architectural Perspective and Rendering	<b>4</b>			
<b>ARCH 260</b> *Advanced Architecture Using Revit and 3D Software	<b>4</b>			
<b>ARCH/ENGT 280</b> *Advanced MicroStation for CADD & BIM Applications	<b>4</b>			
<b>ARCH 290</b> Work Experience Education/Internship for Architecture-Related Fields	<b>1-4</b>			
<b>ARCH 299</b> *Directed Study in Architecture Design & Drawing	<b>1-3</b>			
<b>ENGT 200</b> *Intermediate CAD Modeling for Design & Prod.	<b>4</b>			
<b>Total major units needed for Associate of Science</b>	<b>31-32</b>			
*Prerequisite/Corequisite				

NOTE: Students interested in transferring as architecture majors should consult with a counselor for appropriate general education & major preparation counseling.