



# Architectural Technology Certificate of Achievement

The objective of this certificate is to develop design and job-related skills necessary for entry into the professional field of architecture. The curriculum focuses on development of critical thinking and problem solving abilities as a means to creative thinking.

## SUGGESTED PROGRAM COURSE SCHEDULE

### SEMESTER 1

**8.5 UNITS**

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>ARCH 300</b> Intro to Design Professions	2		F, S	
<b>ARCH 320</b> Architectural Design & Communication I	3.5	Co-req: ARCH 325	F, S	
<b>ARCH 325</b> Arch Digital Design & Communication I	3	Co-req: ARCH 320	F, S	

### SEMESTER 2

**9.5 UNITS**

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>ARCH 321</b> Arch. Design & Comm II	3.5	Co-req: ARCH 326	S	
<b>ARCH 326</b> Arch Digital Design & Communication II	3	Co-req: ARCH 321	S	
<b>ARCH 342</b> Intro to Green Building	3		S(H)	

<sup>^</sup>You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\*(O) = online available (H) = hybrid available

### Career Options/Outlook:

Architects plan and design structures, such as housing, office buildings, theaters, schools, and other physical property. Typical tasks may include designing/rendering, preparing scale drawings, Building Information Modeling (BIM) models, using computer programs or other tools, planning or designing structures in accordance with environmental, safety, or other regulations; directing activities of technicians engaged in preparing drawings or specification documents; preparing contract documents for building contractors; preparing information regarding design, structure specifications, materials, color, equipment, estimated costs, or construction time. **Career opportunities may require more than two years of college study.**

### A sample of reported job titles:

Architect; Architectural Project Manager; Design Architect; Principal Architect; Project Architect; Planner; Specifications Writer

### Projected job opening in California (2018-2028):

1,370

### Projected growth in California:

Average/faster than average (6%)

### Salary in California:

Median wage (2018) with advanced degree: \$87,180/yr

Source:

<https://www.onetonline.org/link/summary/17-1011.00>

**SEMESTER 3****10.5 UNITS**

Course	Units	Pre-Reqs	Semesters offered*	GE Area
<b>ARCH 322</b> Arch Design & Communication III	3.5	Advisory: ARCH 320 or ARCH 321	F, S	
<b>ARCH 329</b> Arch Working Drawings	4	Advisory: ARCH 321 & ARCH 326	F	
<b>ARCH 332</b> Design Awareness	3	ARCH 320 & ARCH 321	F, S	

**SEMESTER 4****9.5 UNITS**

Course	Units	Pre-Reqs	Semesters offered*	GE Area
<b>ARCH 330</b> Design Fundamentals	3.5	ARCH 320	S	
<b>ARCH 334</b> Adv Design in 3-D	3	ARCH 332 Advisory: ARCH 320 & 330	S	
<b>CMT 310</b> Materials of Construction	3	Advisory: CMT 300	F, S	

^You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

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**Honors option:**

The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

**Transfer notes:**

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

**Program note:**

College preparation for a career in architecture spans several disciplines and includes the development of knowledge and competencies in areas such as: architectural design; visual communication and drawing; computer modeling and rendering; construction methods and materials; energy systems and an understanding of human needs and sociology as they relate to the built environment.