Architectural Design Technology Certificate - Architectural Design Technology

This certificate provides students with a background in Computer-Aided Drafting & Design (CADD) and Building Information Modeling (BIM) for application to the architectural building space and design of buildings, interior space analysis and design to facilitate the selection of materials & products promoting energy conservation, ecologically sustainable building space and building design using Green Building/LEED point principles.

Total Units: 18-19

First Year

Semester 1

6 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
ARCH 325 Architectural Digital Design and Communication I	3	Coreq: ARCH 320	F, S
ADT 310 Architectural Computer-Aided Drawing I	3	Advisory: ADT 300 & 302	F, S

Semester 2

3 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
ARCH 326 Architectural Digital Design and Communication II	3	Coreq: ARCH 321	S

Semester 3

6-7 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
ADT 314 Architectural 3D Modeling	3	ADT 310	F
ADT 320 Architectural Design Technology - Building Information Modeling (BIM) I **or**	3	Advisory: ADT 310	F, S
ARCH 329 Architectural Working Drawings	4	Advisory: ARCH 321 & 326	F(O)

Semester 4

3 Units

Career Options/Outlook:

Architecture drafter prepares detailed drawings of architectural designs and plans for buildings and structures according to specifications provided by the architect. Tasks include operating CAD equipment or conventional drafting station to produce designs, working drawings, charts, forms, and records; Analyzing building codes, by-laws, space and site requirements, and other technical documents and reports to determine their effect on architectural design. **Career opportunities require more than an associate degree.**

A sample of reported job titles:

Architect, Architectural Designer, Architectural Drafter, Architectural Draftsman, Architectural Intern, CAD Technician (Computer-Aided Design Technician), Drafter, Draftsman, Intern Architect, Project Manager

Projected job openings in California (2024-2034):

1,070

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
ADT 322 Architectural Design Technology - Building Information Modeling (BIM) II	3	ADT 320 or experience	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.

*(O) = online available (P) = partially online

Projected growth in California (2024-2034):

7% growth

Median Salary in California with advanced degree (2025):

$76,520/yr

Source:

https://www.onetonline.org/link/summary/17-3011.01

About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the Zero Textbook Costs page of the college website.

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