Architectural Design Technology A.S. Degree - Architectural Design Technology-CalGETC

The Interior Building Architect (IBA) Program provides students with a background in architectural drafting. Students who successfully complete the program will be capable of doing detail and layout work normally expected of the drafting aide or technician. The Building Information Modeling (BIM) Program provides students with a background in computer-aided drafting and design (CADD) and BIM. Students will be capable of performing pre-modeling (massing), modeling, and developing drawing documents normally expected of architects, designers, and drafting technicians.

Total Units: 61-63

First Year

Semester 1

15 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
ADT 310 Architectural Computer-Aided Drawing I	3	Advisory: ADT 300 & 302	F	
ARCH 325 Architectural Digital Design and Communication I	3	Coreq: ARCH 320	F, S	
CalGETC Area 1A-English Composition	3	Recommend meeting with a counselor	F, S, Su	Cal-GETC Area 1A
CalGETC Area 2-Math Concepts & Quantitative Reasoning	3	Recommend meeting with a counselor	F, S, Su	Cal-GETC Area 2
Elective[1]	3		F, S, Su	

[1] Suggestion - ARCH 320 Architectural Design & Communication I (3.5 units), Coreq: ARCH 325 F, S. Units needed to total 60 units for graduation. Refer to Course Number for the appropriate course level necessary for the degree.

Semester 2

15 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):

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
ARCH 326 Architectural Digital Design and Communication II	3	Coreq: ARCH 321	S	
CalGETC 1B-Critical Thinking & Composition	3		F, S, Su	Cal-GETC Area 1B
CalGETC Area 3A-Arts	3		F, S, Su	Cal-GETC Area 3A
CalGETC Area 3B-Humanities	3		F, S, Su	Cal-GETC Area 3B
CalGETC Area 4-Social & Behavioral Sciences	3		F, S, Su	Cal-GETC Area 4

Year 2

Semester 3

15-16 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
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(O)	
ARCH 329 Architectural Working Drawings	4	Advisory: ARCH 321 & 326	F(O)	
CalGETC Area 1C-Oral Communication	3		F, S, Su	Cal-GETC Area 1C

1,070

Projected growth in California (2020-2030):

7% growth

Median Salary in California with advanced degree (2025):

$76,520/yr

Source:

O-Net Online/Architectural and Civil Drafters

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.

General Education (GE):

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CalGETC Area 4-Social & Behavioral Sciences	3		F, S, Su	Cal-GETC Area 4
CalGETC Area 5A-Physical Sciences	3		F, S, Su	Cal-GETC Area 5A

Semester 4

16-17 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
ADT 322 Architectural Design Technology - Building Information Modeling (BIM) II	3	ADT 320 or experience	S	
ADT 324 Architectural Design Technology - Building Information Modeling (BIM) III **or**	3	ADT 322 or experience; Advisory: ADT 310 & 320	S	
ARCH 334 Advanced Design in Three Dimensions	3.5	Prereq: ARCH 320, Advisory: ARCH 321	F	
ADT 326 Architectural Design Technology - Building Information Modeling (BIM) IV **or**	3	ADT 322 or equivalent; Advisory: ADT 310 & 320	S	
ARCH 332 Design Awareness **or**	3.5		S (P)	
ARCH 342 Introduction to Green Buildings	3	ARCH 320 & 321	S	
CalGETC Area 5B-Biological Sciences	3		F, S, Su	Cal-GETC Area 5B

Non-specified GE courses identified by CRC or Cal-GETC Area without pre- or co-requisites can be taken at any semester.

This program also meets the requirement for:

- the Certificate of Achievement in Building Information Modeling (BIM)
- the Certificate of Achievement in Interior Building Architecture (IBA)

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.

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CalGETC Area 5C-Lab	1		F, S, Su	Cal-GETC Area 5C
CalGETC Area 6-Ethnic Studies	3		F, S, Su	Cal-GETC Area 6

^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

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Counselor Contact: Alejandra Tovar | Faculty Contact: Jason Ellis