



# Interior Building Architecture A.S. Degree - Architectural Design Technology

The Interior Building Architect (IBA) Program utilizes CADD and Building Information Modeling (BIM) software to prepare students for careers in the area of Interior Building Architecture, Architecture, with an emphasis on Architectural Design. Students will be capable of performing pre-modeling (massing), modeling, and developing drawing documents normally expected of architects, designers, and drafting technicians. This program is designed to provide job market skills, college transfer opportunities in the IBA, Architecture and/or Construction Management disciplines as well as opportunities for employment in a variety of positions within related industries.

**Total Units: 59-61**

## First Year

### Semester 1

**15-16 Units**

COURSE	UNITS	PRE-REQS <sup>A</sup>	SEMESTERS OFFERED <sup>*</sup>	GE AREA
<b>ADT 300</b> Architectural Sketching and Modeling I	3		F, S	
<b>CRC Area II(a)-Writing Competency</b> <sup>Z</sup>	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)
<b>CRC Area II(b)-Math Competency</b> <sup>Z</sup>	3-4	Recommend meeting with a counselor	F, S, Su	CRC Area II(b)
<b>Elective</b> <sup>1</sup>	3		F, S, Su	
<b>Elective</b> <sup>1</sup>	3		F, S, Su	

<sup>Z</sup> At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

<sup>1</sup> 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**

COURSE	UNITS	PRE-REQS <sup>A</sup>	SEMESTERS OFFERED <sup>*</sup>	GE AREA
<b>ADT 302</b> Architectural Sketching and Modeling II	3	Advisory: ADT 300	F, S	
<b>ADT 310</b> <sup>Z</sup> Architectural Computer-Aided Drawing I	3	Advisory: ADT 300 & 302	F, S	
<b>CMT 112</b> <sup>Z</sup> Construction Estimating	3		F, S	
<b>CRC Area VI-Ethnic/Multicultural Studies</b> <sup>Z</sup>	3		F, S, Su	CRC Area VI

## 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 (2020-2030):

1,610

### Projected growth in California (2020-2030):

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
Elective <sup>1</sup>	3		F, S, Su	

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## Year 2

### Semester 3

14-15 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>ADT 314</b> Architectural 3D Modeling	3	ADT 310	F	
<b>ADT 320</b> <b>Z</b> Architectural Design Technology - Building Information Modeling (BIM) I	3	Advisory: ADT 310	F, S	
<b>ARCH 329</b> <b>Z</b> Architectural Working Drawings	4	Advisory: ADT 300 or ARCH 321	F	
<b>CRC Area IV-Natural Sciences</b> <b>Z</b>	3		F, S, Su	CRC Area IV
<b>CRC Area III(a)-Physical Activity Edu</b> <b>Z</b>	1		F, S, Su	CRC Area III(a)
Elective <sup>1</sup>	0-1		F, S, Su	

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<sup>1</sup> Units required are determined by the number of units needed to total 60 units for graduation. Refer to [Course Number](#) for the appropriate course level necessary for the degree.

### Semester 4

15 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>ADT 322</b> <b>Z</b> Architectural Design Technology - Building Information Modeling (BIM) II	3	ADT 320 or experience	S	
<b>CRC Area III(b)-Life Development Skills</b> <b>Z</b> <sup>1</sup>	3		F, S, Su	CRC Area III(b)

13% growth

## Median Salary in California with advanced degree (2021):

\$61,820/yr

### Source:

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

### 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):

Non-specified GE courses identified by CRC Area, CSU Area or IGETC Area without pre- or co-requisite can be taken at any semester.

## This program also meets the requirement for:

the Certificate of Achievement in Building Information Modeling (BIM)

## About this map:

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>CRC Area V(b)-Social &amp; Behavioral Sciences</b> <sup>Z</sup>	3		F, S, Su	CRC Area V(b)
<b>CRC Area I-Humanities</b> <sup>Z</sup>	3		F, S, Su	CRC Area I
<b>CRC Area V(a)-American Institutions</b> <sup>Z</sup>	3		F, S, Su	CRC Area V(a)

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<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.

\*<sup>(O)</sup> = online available (P) = partially online

<sup>1</sup> Suggestion-ADT 498 Work Experience in ADT.

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.