



Architectural Design Technology- Interior Building Architect - Associate of Science Degrees

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 in 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.

SUGGESTED PROGRAM COURSE SCHEDULE

SEMESTER 1

15-16 UNITS

Course	Units	Pre-Reqs [^]	Semesters offered*	GE Area
ADT 300 Architectural Sketching & Modeling I	3		F, S	
CRC Area II(a) Writing Competency	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)
CRC Area II(b) Math Competency	3-4	Recommend meetin with a counselor	F, S, Su	CRC Area II(b)
Elective	3		F, S, Su	
Elective	3		F, S, Su	

SEMESTER 2

15 UNITS

Course	Units	Pre-Reqs [^]	Semesters offered*	GE Area
ADT 302 Architectural Sketching & Modeling II	3	Advisory: ADT 300	F, S	
ADT 310 Arch Compute-Aided Drawing I	3	Advisory: ADT 300 & 302	F, S	
CMT 112 Construction Estimating	3	None	F, S	
CRC Area VI Ethnic Multicultural Studies	3		F, S, Su	CRC Area VI
Elective	3		F, S, Su	

[^]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:

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 opening in

California (2018-2028):

1,480

Projected growth in California:

Above average (+10%)

Salary in California:

Median wage (2018) with advanced degree: \$61,590/yr

Source:

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

SEMESTER 3

14(15) UNITS

Course	Units	Pre-Reqs	Semesters offered*	GE Area
ADT 314 Arch 3D Modeling	3	ADT 310	F	
ADT 320 Building Info Modeling I	3	Advisory: ADT 310	F, S	
ARCH 329 Arch Working Drawings	4	Advisory: ADT 300 or ARCH 321	F	
CRC Area IV Natural Sciences	3		F, S, Su	CRC Area IV
CRC Area III(a) Physical Edu Activity	1		F, S, Su	CRC Area III(a)
Elective (if needed)	(1)		F, S, Su	

SEMESTER 4

15 UNITS

Course	Units	Pre-Reqs	Semesters offered*	GE Area
ADT 322 Building Info Modeling II	3	ADT 320 or experience	S	
CRC Area III(b) Suggestion: ADT 498 Work Exp	3		F, S	CRC Area III(b)
CRC Area V(b) Social & Behavioral Sciences Or taken in summer	3		F, S, Su	CRC Area V(b)
CRC Area I Humanities Or taken in summer	3		F, S, Su	CRC Area I
CRC Area V(a) American Institutions	3		F, S, Su	CRC Area V(a)

^You must have passed the prerequisite course(s) with a "C" or better.
*(O) = online available (H) = hybrid available

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.

Courses in red are required for the Certificate of Achievement in Building Information Modeling (BIM)