Interior Building Architecture Certificate - Architectural Design Technology

COSUMNES RIVER COLLEGE · EST. 1970

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

Total Units: 25

First Year

Semester 1   15.5 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
ADT 300 Architectural Sketching and Modeling I	3		F, S
ADT 302 Architectural Sketching and Modeling II	3	Advisory: ADT 300	F, S
ADT 310 Z Architectural Computer-Aided Drawing I	3	Advisory: ADT 300 & 302	F, S
ADT 320 Z Architectural Design Technology - Building Information Modeling (BIM) I	3	Advisory: ADT 310	F, S
ARCH 320 Z Architectural Design and Communication I	3.5	Advisory: ADT 310	F, S

Z 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.

Semester 2   9.5 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
ADT 322 Architectural Design Technology - Building Information Modeling (BIM) II	3	ADT 320 or experience	S
ARCH 321 Z Architectural Design and Communication II	3.5	Advisory: ADT 300 or ARCH 320	S
CMT 310 Materials of Construction	3	Advisory: CMT 300	F, S

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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 two years of college study.**

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):

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^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

13% growth

Median Salary in California with Advanced Degree (2021):

$61,820/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.