



Architecture

Degree

Architectural Drafting, Associate of Science

Certificate

Architectural Computer Aided Drafting, Job Skills Certificate

Architectural Drafting

Associate of Science Degree

This degree covers the principles of architectural CAD to include basic 2D and 3D AutoCAD application as well as BIM related software covering architectural practices including both residential and light commercial working documents. Emphasis is also placed on architectural delineation using software.

To Achieve the Associate in Science

Upon completion of the following courses with at least a 'C' grade in each course, the student will be awarded an Architectural Drafting Associate in Science.

To Transfer Coursework

A minimum of 40.5 semester units in the major with a grade of 'C' or better while maintaining a minimum grade point average of at least 2.0 in all California State University transferable coursework.

Program Learning Outcomes

Upon successful completion, the student will:

- demonstrate proficiency in technical skills required for employment in the architecture industry.
- demonstrate problem solving skills used in architectural design.
- demonstrate a deep understanding of the core material required for transfer to a four-year university architectural degree program or for certification in architecture.

Total Units: 40.5

Required Courses

Course #	Name	Units
ARCH B1	Introduction to Architecture and Environmental Design	1.5
ARCH B6	Materials of Construction	3.0
ARCH B11	Design and Perspective Drawing	4.0
ARCH B12	Design Drawing and Color	4.0
ARCH B16	Digital Tools for Graphics Communication	3.0
ARCH B21	Architectural Design Fundamentals I	4.0
ARCH B22	Architectural Design Fundamentals II	4.0
ARCH B30	Residential Building Information Modeling	4.0
ARCH B33	Architectural Computer Practice	3.0
INDR B12	Introduction to Drafting and CAD	2.0
MATH B1A	Precalculus I	4.0
	<i>or</i>	
MATH B6A	Analytic Geometry/Calculus I	4.0
PHYS B2A	General Physics – Mechanics and Heat	4.0

Architectural Computer Aided Drafting

Job Skills Certificate

This certificate covers the principles of architectural computer aided drafting to include basic 2D and 3D AutoCAD application as well as BIM related software covering architectural practices including both residential and light commercial working documents. Emphasis is also placed on architectural delineation using software.

To Achieve the Job Skills Certificate

Upon completion of the following courses with at least a 'C' grade in each course, the student will be awarded an Architectural CAD Job Skills Certificate.

Program Learning Outcomes

Upon successful completion, the student will:

- demonstrate proficiency in technical skills and safety principles required for industrial employment.
- demonstrate a deep understanding of the core material required for transfer to a four-year university degree program or for certification in the department programs.
- demonstrate problem solving skills used in industrial design and product development.

Total Units: 11

Required Courses

Course #	Name	Units
INDR B12	Introduction to Drafting and CAD	2.0
INDR B20A	Computer Aided Drafting and Design CAD	3.0
ARCH B16	Digital Tools for Graphics Communication	3.0
ARCH B33	Architectural Computer Practice	3.0