

# Laney College

## Architecture

### Overview

College	Laney - Career and Technical Education
Originator	Ron Betts
Award Type	Certificate of Achievement

### Codes and Dates

State Approval Date	5/29/2018
Curriculum Committee Approval Date	10/20/2017
Board of Trustees Date	12/12/2017
Current Effective Date	6/01/2018
Program Control Number	21535
Top Code	0201.00* - Architecture and Architectural Technology
CIP Code	04.0901: Architectural Technology/Technician.

### Description

The Architecture Department offers vocational and paraprofessional programs in architectural technology as well as preparation for transfer to four- and five-year architecture programs.

The curriculum provides necessary skills for employment in the design and construction fields. Students may prepare for positions as CAD drafting technicians, 3-D project renderers, and other similarly related occupations in public and private sector architecture and construction/building industry related offices. Supplemental courses offer students a broad architectural and general education background and enable them to continue their education in architecture at the university level.

### Career Opportunities

Entry level CAD/Revit Technicians

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Create a Building Design using manual/computer tools.
2. Create Accurate Detailed Drawings
3. Verbally and Graphically present ideas

### Degree Requirements:

<b>First Semester (9 units):</b>	<b>Credit Hours: (9 Required)</b>
ARCH 010 Introduction to Architecture	2
ARCH 013 Architectural Drafting and Design I	4
ARCH 104A Beginning Computer Aided Drafting (CAD)	3
<b>Second Semester (9 units):</b>	<b>Credit Hours: (10 Required)</b>
ARCH 023 Architectural Drafting and Design II	4
CONMT 020 Blueprint Reading and Interpretation	3
ARCH 125 Digital Tools for Architecture and Design	3
<b>Third Semester (8-9 units)</b>	<b>Credit Hours: (8 - 9 Required)</b>

ARCH 033	Architectural Drafting and Design III	4
ARCH 103 or	Materials of Construction	2
CONMT 032	Materials and Methods of Construction	3
ARCH 121A	Introduction to Building Information Modeling (BIM)	2

**Fourth Semester (6 units):****Credit Hours: (6 Required)**

ARCH 043	Architectural Drafting and Design IV	4
ARCH 121B	Advanced Building Information Modeling (BIM)	2

**Recommended but not required****Credit Hours: (0 Required)**

ARCH 035	Perspective, Shades and Shadows I	2
ARCH 045	Perspective, Shades and Shadows II	2
ARCH 107	Architectural History and Theory	3
ARCH 111	Sustainable Architectural Design	3
ART 060	Beginning Painting: Watercolor	2
ART 176	Beginning Sculpture	3
COMM 001A	Introduction to Speech	3
COMM 045	Public Speaking	3
CONMT 020	Blueprint Reading and Interpretation	3
ENGL 001A	Composition and Reading	4
ENGL 001B	Composition and Reading	4
PHOTO 011	Introduction to Black/White Film Photography	3
PHYS 003A	General Physics	5
PHYS 004A	General Physics with Calculus	5

**Total: 33.00 - 34.00**

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