

Laney College

Architecture

Overview

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| College | Laney - Career and Technical Education |
| Originator | Ron Betts |
| Award Type | A.S. Degree |

Codes and Dates

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|------------------------------------|------------------------------------------------------|
| State Approval Date | 5/08/2018 |
| Curriculum Committee Approval Date | 10/20/2017 |
| Board of Trustees Date | 12/12/2017 |
| Current Effective Date | 6/01/2018 |
| Program Control Number | 09031 |
| 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:

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|----------------------------------------------------|-----------------------------------|
| First Semester (9 units): | Credit Hours: (0 Required) |
| ARCH 010 Introduction to Architecture | 2 |
| ARCH 013 Architectural Drafting and Design I | 4 |
| ARCH 104A Beginning Computer Aided Drafting (CAD) | 3 |
| Second Semester (9 units): | Credit Hours: (0 Required) |
| ARCH 023 Architectural Drafting and Design II | 4 |
| CONMT 020 Blueprint Reading and Interpretation | 3 |
| ARCH 125 Digital Tools for Architecture and Design | 3 |
| Third Semester (8-9 units): | Credit Hours: (0 Required) |

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|-------------|-----------------------------------------------------|---|
| 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:** (0 Required)

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

Credit Hours: (0 Required)

Total Major Units: 32 - 33

Recommended But Not Required**Credit Hours:** (0 Required)

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| 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 |
| 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 |

Credit Hours: (0 Required)

General Education Pattern 19

Total Units**Credit Hours:** (60 Required)**Total: 60**

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