

Architectural Drafting

Award Type: Associate in Science

An associate in science degree in architectural drafting prepares students to articulate into a professional program at a four-year institution, which offers a baccalaureate degree or equips students for an entry-level position in the building industry such as drafter, inspector, or materials technician.

The graduate of the Associate in Science in Architectural Drafting will:

- Develop manual and computer-aided graphic communication skills.
- Produce a complete set of architectural plans that may be submitted for plan check approval.
- Develop familiarity with components, materials, types, and methods of building construction; terminology as applied to codes, foundations, concrete, light frame wood, heavy timber, soils, and the structural elements.
- Develop the ability to use appropriate technologies to locate, access, select and manage the information.
- Become familiar with the latest building code requirements and be able to make job site judgments based on the code.
- Participate in a positive co-operative group learning environment.

Program Requirements

A major of 40 units is required for the degree. Required core courses (33 units):

| Course Number | Course Title | Units |
|---------------|---|-------|
| ARCH 111 | Architectural Graphics & Design I | 3.0 |
| ARCH 112 | Architectural Graphics & Design II | 3.0 |
| ARCH 121 | Architectural Practice 1 | 4.0 |
| ARCH 122 | Architectural Drawing 2 | 4.0 |
| ARCH 131 | Building Construction Materials and Methods | 3.0 |
| ARCH 160 | Digital Tools In Architecture or | 3.0 |
| ET 160 | Digital Tools in Architecture | 3.0 |
| ART 110 | Design 1 | 3.0 |
| ARCH 151 | Architectural Design Studio I | 5.0 |
| ARCH 152 | Architectural Design Studio II | 5.0 |

Plus a minimum of 7 units selected from the following:

| Course Number | Course Title | Units |
|---------------|-----------------------------------|-------|
| ARCH 321 | California Building Code | 3.0 |
| ARCH 370 | SkillsUSA | 3.0 |
| ART 103 | Art History Ancient to Medieval | 3.0 |
| ART 104 | Art History Renaissance to Modern | 3.0 |
| ART 105 | Art History of Mexico | 3.0 |
| ART 113 | Three Dimensional Design | 3.0 |
| ENGR 152 | Statics | 3.0 |
| ENGR 161 | Materials Science | 3.0 |
| ENGR 162 | Materials Science Lab | 1.0 |
| GEOL 100 | Physical Geology | 4.0 |