

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 Drawing 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	International 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