

ASSOCIATE OF SCIENCE IN DRAFTING TECHNOLOGY (AS)

This degree prepares students for entry-level employment in the field of Drafting Technology through the study of drafting technology, architecture, computers, & graphic design. Students will acquire skills in CAD, visual communication, computer concepts, graphic design, & construction technology.

Program Outcomes

- Create and analyze documents related to computer-assisted and tactile drafting/design.
- Create and distinguish tactile 2D and 3D visual communication drawings.
- Manage and explain computer operating systems and the World Wide Web.
- Create and distinguish graphic design projects, i.e. illustrations and web page design and development.
- Create and analyze documents related to construction technology, i.e., construction materials and methods, detailing, and construction documents.

Career Opportunities

Upon successful completion of this degree, students will be prepared for careers or employment in the following fields: manufacturing or industrial mechanical draftsman/CAD technician.

Note

This degree is not designed for transfer; however, the courses included in this degree may be transferable and apply to other degrees designed for transfer.

Program Requirements

Code	Title	Units
GENERAL EDUCATION AND SUBJECT REQUIREMENTS		25
College of the Sequoias' Associate Degree General Education (COS-GE) *		
+		
REQUIRED MAJOR COURSES		38
ARCH 020	Visual Communication 1 *	3
ARCH 120	Freehand Drawing	3
ARCH 160	Construction Materials/Methods	4
ARCH 161	Architectural Detailing	3
ARCH 163	Construction Documents	3
DRFT 016	CAD Applications	4
DRFT 112	Mechanical Drafting 1	3
DRFT 113	Mechanical Drafting 2	3
DRFT 114	Introduction to CAD	4
DRFT 115	Advanced CAD	4
GD 100	Introduction to Graphic Design	4
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TOTAL		60

* Courses meet General Education requirements and 3 units may double count above in COS-GE.

The Associate Degree requirements include completion of the:

1. Required major courses and restricted elective courses with a "C" or better grade in each course (required and restricted elective courses may be substituted with the approval of the Division Chair),
2. General Education requirements,
3. Subject requirements including PE, Health & Wellness, and American Institutions, and
4. A minimum of 60 units of degree applicable courses numbered 1-299, at least 12 of which must be taken in residence at College of the Sequoias, with a "C" (2.0) average (see Associate Degree Requirements (<https://catalog.cos.edu/associate-degree-requirements/>) for additional details).