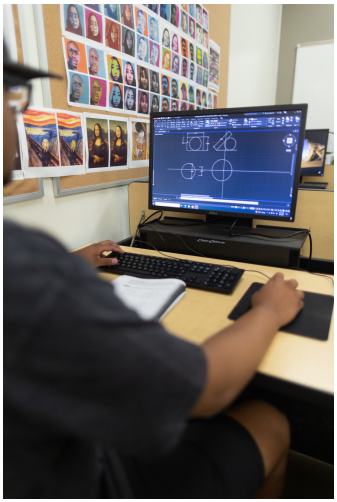
COS
COLLEGE OF THE SEQUOIAS

DRAFTING TECHNOLOGY

This program prepares students for employment in the field of drafting. Students completing this program will develop skills in computer assisted drafting and design, visual communication, architecture, computer concepts, graphic design, and construction technology.



WHAT YOU WILL LEARN

•Computer Assisted Drafting/Design •Tactile 2D & 3D Visual Communication •Graphic Design •Construction Technology •Autodesk AutoCAD •Dassault Systemes SolidWorks •Adobe Illustrator

WHERE DO YOU SEE YOURSELF?

Manufacturing Drafting • Industrial Mechanical Drafting •Architectural Drafting Civil Drafting • Aeronautical Drafting • Commercial Drafting • Commercial Drafting Mechanical Drafting •Residential Drafting

PAY RANGE

Average salary for entry-level is between $17-25 per hour.
Drafters with 3-5 years of experience can make between $30-50 per hour.

COS
CAREER TECHNICAL EDUCATION

Learn More at COS.EDU/Drafting

PROGRAM CONTACT:
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(559) 688-3040

DEGREES & CERTIFICATES OFFERED

Associate of Science in Drafting Technology - 60 units
Certificate of Achievement in Autodesk AutoCAD for Drafting - 12 units
Certificate of Achievement in Dassault Systemes - 12 units
Certificate in Mechanical Drafting - 18 units
Skill Certificate in Autodesk AutoCAD for Architecture - 10 units
Skill Certificate in Tactile Mechanical Drafting - 6 units

CLASSES YOU MIGHT TAKE

DRFT 114 Introduction to CAD
This course explores the basic concepts and applications of computer assisted drafting. Students will use the computer to solve a series of drafting problems related to various design professions.

DRFT 115 Advanced CAD
This advanced computer assisted drafting course explores parametric solid modeling. Techniques include sketching, editing, modifying, adding relations and dimensions, base feature options, creating geometries, modeling tools, and editing features.

DRFT 016 CAD Applications
This advanced computer assisted drafting course explores parametric solid modeling. Techniques include modeling tools, assembly modeling, and working with drawing views.

GD 100 Introduction to Graphic Design
This course covers a brief history of graphic design and printing as well as an introcution to multi-media communication. Students will studey the prevalence and purpose of graphic design and the applied arts in general. Through hands-on projects, students will apply aesthetic, typographic, and cultural elements to enhance visual communication.

DRFT 112 Mechanical Drafting 1
This course introduces students to the fundamentals of mechanical drawing and modern drafting practice. It is a tactile (by hand) drafting course and is the basis for all drafting-related majors.

DRFT 113 Mechanical Drafting 2
This intermediate course covers the fundamentals of technical drafting and practical applications. Emphasis will be placed on lettering, orthographic projection, auxiliary views, dimensioning, and the interrelationship of each manufacturing design.

ARCH 161 Architectural Detailing
This course explores the transition from architectural ideas into built reality. Students draw architectural details with corresponding summaries using computer assisted drafting programs.

ARCH 163 Construction Documents
This course provides a detailed introduction to the processes of construction documentation. A full set of residential construction documents emphasizing light wood frame construction is created utilizing a computer assisted drafting program.

Get Started at COS.EDU/Apply