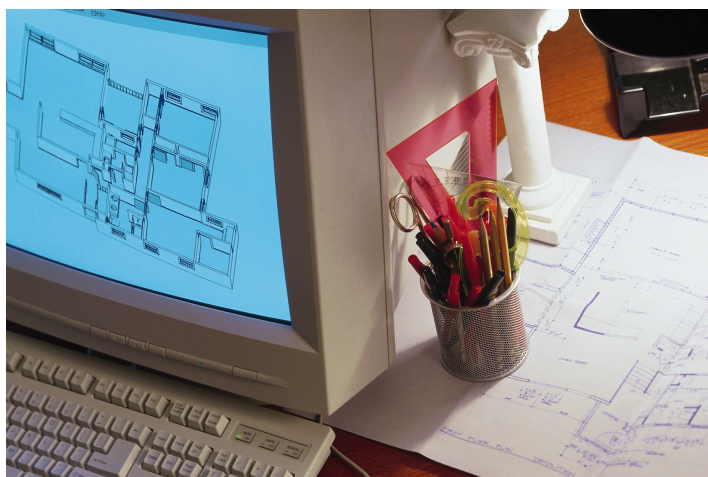


DRAFTING



Drafting Technology is an academic discipline concerned with the study of drafting technology, architecture, computers, and graphic design. This academic discipline prepares students for entry-level employment and/or potential further study in the field of drafting technology.

The skills developed in this discipline include computer assisted drafting & design, visual communication, computer concepts, graphic design, & construction technology

Transfer requirements in drafting technology are available in the Counseling Center. In all cases, students should consult with a counselor for specific transfer requirements.

Career options include positions in manufacturing or industrial mechanical drafting technology. A higher degree may be required to meet minimum job requirements depending on the position.

Contact Information

Drafting Faculty Contact

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Associate Degree

- Associate of Science in Drafting Technology (AS) (<https://catalog.cos.edu/areas-study/drafting/associate-science-drafting-technology-not-for-transfer-as/>)

Certificates

- Certificate of Achievement in Autodesk AutoCAD for Drafting (<https://catalog.cos.edu/areas-study/drafting/certificate-achievement-autodesk-autocad-drafting/>)

- Certificate of Achievement in Dassault Systemes Solidworks (<https://catalog.cos.edu/areas-study/drafting/certificate-achievement-dassault-systemes-solidworks/>)
- Certificate of Achievement in Mechanical Drafting (<https://catalog.cos.edu/areas-study/drafting/certificate-achievement-mechanical-drafting/>)
- Skill Certificate in Autodesk AutoCAD for Architecture (<https://catalog.cos.edu/areas-study/drafting/skill-certificate-autodesk-autocad-architecture/>)

For a complete list of courses and descriptions visit: COURSES (<https://catalog.cos.edu/course-descriptions/>)

DRFT 016 CAD Applications

4unit(s)

Hours: 3 Lecture/Discussion Hours:
3 Lab

This is an advanced computer assisted drafting course that explores parametric solid modeling. Techniques include modeling tools, assembly modeling, and working with drawing views.

Advisory on Recommended Preparation: DRFT 114 and DRFT 115 or equivalent college courses with a minimum grade of C; Prior work experience using AutoCAD and/or SolidWorks.

DRFT 017 Introduction to Revit

4unit(s)

Hours: 3 Lecture/Discussion Hours:
3 Lab

Introductory course that explores the fundamentals and techniques of communicating graphically in the construction industry. Students will use computer-aided design and building information modeling to replicate a project's construction documents and complete a small group project.

Prerequisites: DRFT 114 or equivalent college course with a minimum grade of C.

DRFT 114 Introduction to CAD

4unit(s)

Hours: 3 Lecture/Discussion Hours:
3 Lab

This is an introductory course that 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

4unit(s)

Hours: 3 Lecture/Discussion Hours:
3 Lab

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

Advisory on Recommended Preparation: DRFT 114 or equivalent college course with a minimum grade of C.

DRFT 204 Mechanical Drafting

2unit(s)

Hours: 1.5 Lecture/Discussion Hours:
1.5 Lab

This is an intermediate course in the fundamentals of mechanical drawing and modern drafting practice. It is a "tactile" (by hand) drafting course. Emphasis will be placed on orthographic views, dimensioning, and the interrelationship of manufacturing design.

Advisory on Recommended Preparation: ARCH 020 or equivalent college course with a minimum grade of C or equivalent skills determined by department assessment.