

ENGINEERING

PROGRAM DESCRIPTION

The Engineering Program includes two tracks: 1) Engineering Transfer and 2) Engineering Technology. The focus of the Engineering Technology track is to be job ready after graduation, although there are options for transfer after a third year at UCC. The transfer track closely follows the first two years of study for engineering programs at most universities in Oregon. The Engineering program has multiple educational and career pathways, and includes the following degrees and certificates.

Pathway Certificate (12 credit minimum)

- Drafting
- GIS
- Surveying
- Water Quality

Completion Certificate (45 credit minimum)

Engineering & Drafting Technician

AAS Degree (90 credit minimum)

- Civil & Surveying Technology
- Applied Surveying Option, Civil & Surveying Technology
- Applied Water Quality Option, Civil & Surveying Technology

ENGINEERING

Drafting Pathway Certificate

PROGRAM DESCRIPTION

The Drafting Pathway Certificate provides training for entry-level careers in Computer-Assisted Drafting (CAD). All courses in the certificate are found in the Civil Engineering & Surveying Technology, AAS degree.

PROGRAM OUTCOMES

Students who successfully complete the Pathway Certificate in Drafting will:

1. Be prepared for entry-level jobs in the area drafting
2. Gain new computer applications and skills

CAREER CONSIDERATIONS

The Drafting Pathway Certificate prepares students for entry level jobs in CAD and focuses on introductory drafting skills for architectural, civil, mechanical, and manufacturing design and construction.

PROGRAM COURSE REQUIREMENTS

Year One

DRF 112	Computer Aided Drafting (CAD) I	3
DRF 113	Computer Aided Drafting (CAD) II	3
ENGR 245	Engineering Graphics - SolidWorks	3
Approved Elective*		3-4

Total Credits (minimum) 12

* Approved Electives (Select one of following):

CIV 214	Virtual Design - CAD - Civil3D	3
CIV 280	Cooperative Work Experience	3
DRF 116	Structural Drafting	3
GIS 234	GIS I: Intro to GIS	4
VC 114	Intro to InDesign	3
WLD 140	Blueprint Reading & Sketching	3