



CAREER PATHWAYS

Grow here. Learn here. Work here.



Engineering and Drafting Technician

The one-year certificate prepares graduates for entry-level positions as engineering or drafting technicians. All courses in the certificate are found in the Civil Engineering & Surveying Technology, AAS degree. Engineering and drafting technicians work with and provide technical support to licensed architects, engineers and surveyors. Technicians prepare design drawings and assist with field work. Technicians utilize knowledge of building materials, engineering practices, and mathematics to complete detailed drawings and to collect or evaluate data in the field. Theory and principles of design and graphics are implemented under the direction of engineering or surveying staff.

CAREER HIGHLIGHTS

JOB TYPES:



Engineering Technologist
 Mechanical Engineering Technician
 Engineering Aide

Drafter
 Mechanical Drafter
 Civil Drafter
 Electrical - Electronics Drafter



SALARY RANGE: \$43,980 to \$91,550

LOCAL INDUSTRY:



Con-Vey Keystone
 7 Robotics
 Orenco Systems
 North River
 Government Agencies
 i.e. Engineering
 FCC Furniture



TWO PATHWAYS

AVAILABLE:

Engineering and Drafting Technician
 Certificate

34 credits required

One year of college coursework



Drafting Pathway Certification

12 credits required

One Year of college coursework

Engineering and Drafting Technician Pathways

ENGINEERING AND DRAFTING TECH CERTIFICATE	RHS	DRAFTING PATHWAY CERTIFICATION
Engineering and Blueprint Reading	GRADE 9	
Intro to Computer Aided Design (DRF112)	GRADE 10	Engineering and Blueprint Reading (WLD140)
Computer Aided Mechanical Design (DRF113)	GRADE 11	Intro to Computer Aided Design (DRF112) Computer Aided Mechanical Design (DRF113)
Architectural Design	GRADE 12	Architectural Design
Graduate from Roseburg High School and enroll at UCC		
DRF112 Drafting and Design I ENGR111 Engineering Orientation I GIS203 Digital Earth- Geospatial	YEAR 1 FALL	DRF112 Drafting and Design I
DRF113 Drafting and Design II ENGR112 Problem Solving and Technology GIS234 GIS 1-Intro to Geographic Info	WINTER	DRF113 Drafting and Design II WLD140 Blueprint Reading or CIV214 CAD-Civil 3D-Virtual Design
CIV214 Cad-Civil 3D-Virtual Design ENGR245 Engineering Graphics GIS235 GIS II Data Analysis - App SUR161 Survey I	SPRING	ENGR245 Engineering Graphics



**Engineering and Drafting
Technician Certificate**



Drafting Pathway Certificate