

*Imagine Yourself Here!*



AVERAGE SALARY  
UPON GRADUATION

**\$48,000**



## DESIGN ENGINEERING TECHNOLOGY

### PROGRAM/INDUSTRY OVERVIEW

The Design Engineering Technology program at NW-SCC produces highly-skilled, highly-trained Computer-Aided Design (CAD) technicians that specialize in civil, architectural, or mechanical design.

- Computer-based work with an artistic component
- Work closely with engineers and architects
- Closely tied to the manufacturing and construction industries
- Obtain an Associates Degree in 5 semesters

### STUDENTS WILL LEARN:

**Architectural Design** - prepare drawings of designs and plans for buildings and structures according to specifications provided by architect.

**Civil Design** - Prepare drawings and topographical and relief maps such as highways, bridges, pipelines, flood control projects, and water and sewage control systems.

**Mechanical Design** - Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.

# CAREER PATHWAY PROGRAM COURSES

## SEMESTER 1

Course	Description	Hrs
ORI 107	Student Success	1
DDT 104	Basic Computer Aided Drafting & Design	3
DDT 111	Fundamental Drafting & Design	3
DDT 124	Intro. to Technical Drawing	3
DDT 144	Basic 3D Modeling	3
ENG 101	English Composition I	3

Total Credit Hours 16

## SEMESTER 2

Course	Description	Hrs
DDT 114	Industrial Blueprint Reading	3
DDT 127	Intermediate CAD	3
DDT 128	Intermediate Technical Drawing	3
PSY 200	General Psychology	3
ENG 102	English Composition II	3

Total Credit Hours 15

## SEMESTER 3

Course	Description	Hrs
DDT 117	Manufacturing Processes	3
DDT 181	Special Topics	3
DDT 233	Intermediate 3D Modeling	3
DDT 231	Advanced CAD	3
MTH 100	Intermediate College Algebra	3

Total Credit Hours 15

## SEMESTER 4

Course	Description	Hrs
DDT 220	Advanced Technical Drawing	3
DDT 236	Design Project	3
DDT 244	Advanced 3D Modeling	3
MTH 112	Pre-Calculus Algebra	3
ART 100	Art Appreciation	3

Total Credit Hours 15

## SEMESTER 5

Course	Description	Hrs
DDT 291	CO-OP	3
PHY 115	Technical Physics	4
DDT	Elective	3
DDT	Elective	3

Total Credit Hours 13

## Credentials Earned:



Short-Term Certificate  
AAS Degree



## DESIGN ENGINEERING TECHNOLOGY

## PROGRAM CONTACT

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