

CADD TECHNICIAN I 18 UNIT CERTIFICATE

Required Courses

ENGD 101 Introduction to Drafting (3 units)

Survey course exploring the basic techniques used in drafting

ENGD 103 Blueprint Reading for Construction (3 units)

Designed to develop skills necessary to interpret both residential and commercial construction drawings and blueprints

ENGD 110 Introduction to AutoCAD (3 units)

Introduction to AutoCAD program including basic commands required for computer aided drafting

CT 107 Technical Mathematics (3 units)

A review of basic arithmetic, fractions, decimals and percentages. Introduction to basic algebra and trigonometry as they apply to manufacturing and construction trades.

ENGD 210 Advanced Two-Dimensional AutoCAD (3 units)

Explores the more advanced two-dimensional features of the AutoCAD program

ENGD 95 Introduction to SolidWorks (3 units)

Introduces students to the three-dimensional parametric solid modeling with SolidWorks

OR

ENGD 120 Introduction to Inventor (3 units)

Solid Modeling and Three Dimensional CADD will introduce students to a new auto desk software package entitled INVENTOR.

What is a CADD Technician

Computer Aided Drafting and Design (CADD) Technicians work in the fields of Architecture, Engineering, and Drafting as a Drafter. They have a working knowledge of mechanical and architectural drawing and are proficient in the use of AutoCAD and SolidWorks software. They have conceptual knowledge of 3-D modeling and rendering. They perform print reading task as it relates to Architectural, Engineering, and Mechanical drawings.

SUGGESTED SEQUENCE OF COURSES

1st Semester

ENGD 101

ENGD 103

ENGD 110

2nd Semester

CT 107

ENGD 95

**ENGD210

**Offered Spring Only

For more information regarding this program please contact Claude Oliver, Department Chair, Architectural and Engineering Drafting Department at claudе.oliver@vvc.edu

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COST OF PROGRAM

Tuition: \$830

Book: \$50

TOTAL: \$880 (approx.)

(As of 2018-19, subject to change)

High Desert Companies Who Hire CADD Technicians

Arizona Pipeline

DS Energy Solutions

MWC Group, Inc.

Safeway Sign Company

Southern California Edison

Southwest Gas

Tibban MFG Inc.

Approx. Starting Salary \$17.00 to \$24.00 per hour

- ***Preparation to work in Architecture, Engineering and Drafting fields***
- ***Obtain working knowledge of mechanical and architectural drawing***
- ***Learn to use AutoCAD and Computer Aided Drafting software***
- ***Gain conceptual knowledge of 3-D modeling and rendering***
- ***Development of critical thinking skills***



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