

CADD - COMPUTER AIDED DRAFTING AND DESIGN (CADD) - ASSOCIATE IN SCIENCE

Drafters and designers prepare technical drawings, designs, diagrams and specifications for a wide variety of commercial, industrial, and government projects. Computer hardware design, aerospace drafting and design, architectural design and drafting, electronics design, technical illustration and the design and drafting of such items as: disk drive mechanisms, cellular telephones, and medical equipment; are just a few of the areas of employment available for drafters and designers in our local area. Specializing in state-of-the-art CADD instruction, featuring AutoCAD, Revit, Civil 3-D, ACAD Mechanical, SolidWorks and Creo CAD tools, the CADD department at Evergreen Valley College offers a wide variety of course work designed for individuals wanting to upgrade and expand their existing technical skills and for new students wanting to prepare for employment in numerous CADD related fields. The CADD Technology department also offers certificate options and an Associate in Science Degree option. A 'C' grade or better is required in each CADD course and all major prerequisite courses for graduation and/or certificate options.

Program Learning Outcomes

- Demonstrate knowledge in AutoDesk products (Inventor, AutoCAD/Mechanical / Civil 3D, and Revit), Creo, and SolidWorks CAD systems.
- Prepare for employment as an engineering technician/CAD drafter, in architectural engineering or in civil engineering and design at an entry level.

Major Requirements

Course	Title	Units
BIS 109 or CIT 040	Microsoft Office Web Design I: Internet Publishing	3
CADD 130	Fundamentals of AutoCAD	3
CADD 131	3-D Modeling and Design - Using AutoCAD	2
CADD 133 or CADD 139	Fundamentals of Autodesk Inventor Using Solidworks	2
CADD 140A	Technical Graphics - Using CAD Tools	2
CADD 140B	Advanced Technical Graphics - Using CAD Tools	2
CADD 141	Design and Analysis Using Creo Or Solidworks	2
CADD 144A	Architectural Design and Drafting Using Revit Architecture	2
Select 12 units from the following:		12
CADD 132	Using AutoCAD Mechanical	
CADD 134	Advanced Autodesk Inventor	
CADD 135	Design Using AutoCAD Civil-3D	
CADD 142	Geometrical Dimensioning and Tolerancing	
CADD 144B	Architectural Design and Drafting Using Revit Structure and MEP	

CADD 146A AutoCAD Software Updates

CADD 150

Total Requirements

Course	Title	Units
Major Requirements		30
Electives (A.S. applicable courses)		6
General Education Requirements		24
Total Units		60