CADD MICROSYSTEMS

AutoCAD® 2021 Level II
3D Modeling

Length
1 Day

Cost
$350 per person
(Dedicated group rates available)

Level
Intermediate / Advanced

Prerequisites
AutoCAD® 2018/2019/2020/2021 Level I
(or equivalent)
...or...
6-12 months continuous AutoCAD® 2018/2019/2020 experience

Who Can Benefit From This Class
Experienced AutoCAD® users who need to learn about the 3D tools in AutoCAD®

Hours
9:00am - 4:30pm EST
with an hour lunch break

Additional Information
This class comes with a 100% Satisfaction Guarantee, provides AIA/CES Continuing Education Credits (CEU's), and each student receives a certificate of completion. Please see our website for more information.

DESCRIPTION

This information-packed, one-day class introduces attendees to the tools and techniques required to view, create, and manipulate three-dimensional (3D) objects in AutoCAD®. Students will develop an understanding of the 3D drawing environment and learn to create 3D forms using multiple methods. This class is focused on the modeling aspect of 3D geometry and does not cover materials, lighting or rendering. A knowledge of basic AutoCAD commands and techniques is required.

CONTENT

Introduction to 3D
The 3D Modeling Workspace
Types of 3D Models
Navigating and Displaying 3D Models
Orbiting your 3D Model

Generating 3D Models from 2D Geometry
Choosing a Model Creation Method
Polysolids
Extrude and Presspull
Revolves and Sweeps
Lofts

Creating 3D Geometry
Working with Solid Primitives
Union, Subtract, and Intersect
Checking Interference
Introduction to Working with Point Clouds

Working in 3D
Cartesian Coordinate System
Changing the Coordinate System Dynamically
Changing the Model Position
View Cube and Steering Wheels

Editing Models
Fillet and Chamfer
Slice

Model Documentation
Using View Creation Tools
Using Section Creation Tools
Introduction to Point Cloud Importation

LEARNING PATH

Prerequisites
AutoCAD and LT Level I

→ **This Class** →

Future Training
AutoCAD Level II: Beyond the Basics