

AutoCAD® 2021 Level II

3D Modeling

► Length

1 Day

► Cost

\$400 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