

# AutoCAD® 2019 Level II

## 3D Modeling

### ► Length

1 Day

### ► Cost

\$350 per person

(Dedicated group rates available)

### ► Level

Intermediate / Advanced

### ► Prerequisites

AutoCAD® 2017/2018/2019 Level I  
(or equivalent)

...or...

6-12 months continuous AutoCAD®  
2017/2018/2019 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 will introduce you to the tools and techniques required to view, create, and manipulate three-dimensional (3D) objects in AutoCAD®. You 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, and 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 Surface and Mesh  
Modeling  
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  
Group Editing  
Face Editing

### 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