

# AutoCAD 3D



## Overview

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**Course Length:** 40 hours (*can be taken via flexible schedule in-center or remotely*)

**Description:** AutoCAD 3D The Complete Guide is designed to give you a solid understanding of AutoCAD features and capabilities. This course covers Getting Started with 3D, Views of 3D Models, Creating Surface Models, Creating Meshes, and Cameras and Creating the Animation. Autodesk AutoCAD is a powerful CAD software helping professionals create 3D models faster and with more precision. Its simplified 3D modeling allows teams to work more efficiently by sharing models across connected desktop, cloud, and mobile solutions.

## Course Objectives/Topics

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### New for AutoCAD

Performance and Security Updates  
User Interaction Changes  
Document Improvements

### AutoCAD 3D Modeling

Getting Started with 3D  
The User Coordinate System  
AutoCAD Commands for 3D

### Creating Solid Models

Creating Solids  
More Tools for Building Solid Models

### Editing 3D Objects

Editing 3D Objects  
More Tools

### Creating Views

Views of 3D Models  
Drawing Views  
Additional Tools

### Surface Modeling

Creating Surface Models  
Modifying Surfaces

### Mesh Modeling

Creating Meshes  
Working with Meshes

### Rendering and Animating Designs

Materials  
Working with Lights  
Cameras and Creating the Animation

## Practical practice and Projects

- Put what you learned to use. Put it all together with a final project of your choosing.

## Prerequisites

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- You don't need any previous experience with AutoCAD to take this course.

## Audience

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- New users to AutoCAD.

Please note that course material, content, structure and delivery methods are subject to change without notice.

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