AutoCAD 3D Essentials Training Course

3 Day Course

Who Should Attend?

The delegate should be proficient working with 2D objects in AutoCAD and have a need to create 3D models of their designs.

It is recommended that delegates have a working knowledge of Microsoft Windows, the current or a previous release of AutoCAD, creating and editing basic AutoCAD objects, creating and working with layouts.

Objectives

This course provides a basic understanding of how to design and modify 3D models with AutoCAD.

AutoCAD 3D for New Users helps users better visualise and present designs that are created with CAD. This course introduces delegates to the fundamental concepts and workflows for creating 3D models with AutoCAD. Delegates explore how to create and modify both solid and surface models. Delegates also learn how to output 3D models from the CAD system to either paper or a distributable, electronic version. The concepts and practices taught will help delegates take their AutoCAD designs beyond 2D to the next dimension – 3D!

Hands-on exercises throughout the course are used to demonstrate the modelling process using techniques that can be applied to the mainstream drafting industries.

Agenda

The primary objective of this course is to teach delegates powerful tools and techniques for creating and editing 3D models with AutoCAD.

Note: We normally train on the latest version.

Agenda Topics:

- Introduction to 3D Modelling
- Creating Solid Primitives
- Creating Models from 2D Profiles
- Creating Composite Solids
- Working in 3D
- Converting 2D Objects to Solids or Surfaces
- Duplicating the Model
- Getting Information from 3D Objects
- Sectioning a Solid Model & Generating 2D Geometry
- Creating Drawings from 3D Models
- Using Visual Styles
- Using Lights

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- Adding Detail to Your Solid Models
- Converting Objects
- Editing Solid Models
- Extracting Geometry from Solid Models
- Changing the Model Position

- Using Materials
- Using the Sun
- Rendering
- Navigating the Model
- Using Cameras and Views

The above may be varied to suit customer preferences and requirements.

Qualifications

On completion of the course, you will be presented with an Autodesk Authorised Training Certificate.

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