

## AutoCAD 3D Drawing and Modeling

### Description

*AutoCAD 3D Drawing and Modeling* introduces students who are proficient with AutoCAD's 2D commands to the concepts and methods of 3D modeling. The course provides a thorough grounding in the fundamentals of 3D and explores the main features of AutoCAD's advanced 3D Modeling workspace.

**Onscreen Exercises**  
**Prerequisites**

Yes

A working knowledge of the following:

- How to create and edit basic AutoCAD objects, and work with layouts in a recent version of AutoCAD.
- Microsoft® Windows® Vista or Microsoft® Windows® XP.

### Class Information

**Suggested Duration**

3 days

**Objective**

To teach users the fundamental concepts and workflows for creating 3D models using AutoCAD.

**Topics**

Topics covered in this course include:

- 3D viewing techniques
- Working with simple and composite solids
- Creating complex solids and surfaces
- Modifying objects in 3D space
- Editing solids
- Creating sections, camera perspectives, and animations
- Converting 3D objects
- Setting up a rendering with materials and lights
- Creating 2D drawings from 3D models
- Working with the User Coordinate System

**Who Should Attend**

Designers who are familiar with AutoCAD, proficient in working with 2D objects, and who want to create 3D models of their designs.

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**Note:** The suggested class duration is a guideline. Topics and duration may be modified by the instructor based upon the knowledge and skill level of the class participants.

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