



## AutoCAD 2010 3D Models

### Description

Using hands-on exercises representing real-world, industry-specific design scenarios, users explore the fundamental concepts and workflows for creating 3D models using AutoCAD® 2010.

### **Prerequisites**

Before using this guide, users should have a working knowledge of the following:

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

### Class Information

#### **Duration**

3 days

#### **Objective**

The primary objective of this AutoCAD 3D training course is to teach users the fundamental concepts and workflows for creating 3D models using AutoCAD 2010.

After completing this class, users will be able to:

- Create a rough design using solid primitives, solid or surface models from cross-sectional geometry, or composite models from multiple solid models.
- Complete a solid model design by adding the necessary features to detail, duplicate, and position 3D models.
- Create free-form, organically shaped mesh models using sub-d mesh modeling tools, and convert them to solids or surfaces for additional modeling operations.
- Convert 2D objects to 3D objects.
- Document a 3D design by creating 2D drawings for production and visualization.
- Communicate design ideas using visual styles, lights, model walk-through tools, and renderings

#### **Who Should Attend**

Experienced users of AutoCAD or AutoCAD LT.

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**Autodesk®**

## **Course Outline**

### **Day 1**

#### **3D Modeling**

- Introduction to 3D Modeling
- Creating Solid Primitives
- Creating Models from 2D Profiles
- Creating Composite Solids
- Working in 3D

### **Day 2**

#### **Creating Models from Cross Sections**

- Converting 2D Objects to Solids or Surfaces

#### **Editing Models**

- Adding Detail to Your Solid Models
- Converting Objects
- Editing Solid Models
- Extracting Geometry from Solid Models
- Changing the Model Position
- Duplicating the Model
- Getting Information from 3D Objects

#### **Sectioning a Model and Creating Drawings**

- Sectioning a Solid Model and Generating 2D Geometry
- Creating Drawings from 3D Models

### **Day 3**

#### **Visualization**

- Using Visual Styles
- Using Lights
- Using Materials
- Using the Sun
- Rendering
- Navigating the Model
- Using Cameras and Views



**Frequently Asked Questions:**

**Post-AutoCAD Training support**

All delegates are eligible to email support for up to 30 days from Sprunt Media.

**How much does the AutoCAD 2010 training course cost?**

Our standard pricing for our training is £350.00 per delegate per day.

**Reduced online booking cost are as follows-**

1 delegate: £250 per delegate per day

**Further discounts are available for group bookings.**

Please call for more information on group prices. **0207 478 1000**

**Please see Training calendar for scheduled dates for this course.**

**If the scheduled dates are not suitable or for further information, please contact 020 7478 1000 or e-mail [info@sprunt-media.net](mailto:info@sprunt-media.net)**