

# AutoCAD Advanced Course

This Course is designed for the existing AutoCAD user who have completed our Introduction Course.

It incorporates advanced features, commands, and techniques for creating and managing drawings in a more productive way. Hands-on exercises throughout the courseware and explore how to implement these methods to increase productivity. Create Building Plans, Sections and Elevations.

## Who should do this course?

This Course is designed for the existing AutoCAD user who have completed our Introduction Course.

## Prerequisites

Basic computer skills are essential. Must be comfortable using software in Windows environment, navigating the internet & be able to use file storage networks  
No prior knowledge of AutoCAD is required.

## Topics include:

This Course covers the essential core topics for working with the AutoCAD software. The teaching strategy is to start with a few basic tools that enable the student to create and edit a simple drawing, and then continue to develop those tools. The course will show the most essential tools and concepts, such as:

- Understanding the AutoCAD workspace and user interface.
- Using basic drawing, editing, and viewing tools.  
Organizing drawing objects on layers.
- Inserting reusable symbols (blocks).  
Preparing a layout to be plotted.
- Adding text, hatching, and dimensions.

## COURSE CONTENT

### Advanced Concepts

- Understanding the Scale of Drawings
- Reference Files Explained
- Annotation Scale Overview
- Using Fields
- Workflows for Advanced Users
- Configuring AutoCAD for Productivity
- Using editing and construction techniques
- Use of Design Center and Tool Palettes
- Adding parametric constraints to objects
- Setting up layers, styles, and templates
- Layer Management & Best Practice
- Defining and working with Template Drawings and Standards
- Working with External References, Underlay's and Images

**Duration:** 2 day

**Class size:**

- ✓ 8 students max
- ✓ Or : One on One training

**Times:** 9:00am - 4:00pm

**Where :** In your home or Office  
or Coffee Shop

**Course Inclusions :**

- ✓ Comprehensive learning materials
- ✓ 12 months FREE email support
- ✓ 'Certificate of Attendance' on completion of course
- ✓ Morning & afternoon tea

- Working with Linked Tables/Creating Table Styles

### **Dynamic Blocks**

- Working with Dynamic Blocks
- Creating Dynamic Block Definitions
- Dynamic Block Authoring Tools
- Additional Visibility Options

### **Attributes**

- Inserting Blocks with Attributes
- Editing Attribute Values/Defining Attributes
- Redefining Blocks with Attributes/Extracting Attributes

### **Output and Publishing**

- Output for Electronic Review
- Autodesk Design Review/Publishing Drawing Sets

### **Other Tools for Collaboration**

- eTransmit/Hyperlinks

### **Introduction to Sheet Sets**

- Overview of Sheet Sets
- Creating Sheet Sets/Creating Sheets in Sheet Sets
- Adding Views to Sheets
- Importing Layouts to Sheet Sets

### **Publishing & Customizing Sheet Sets**

- Transmitting and Archiving Sheet Sets
- Publishing Sheet Sets
- Customizing Sheet Sets/Custom Blocks for Sheet Sets

### **Managing Layers**

- Working in the Layer Properties Manager
- Creating Layer Filters/Setting Layer States

### **CAD Standards**

- CAD Standards Concepts
- Configuring Standards/Checking Standards
- Layer Translator

### **Customizing the User Interface**

- Using the Customize User Interface (CUI) Dialog Box
- Customizing the Ribbon/Quick Access Toolbar/Menus
- Creating Custom Toolbars/Keyboard Shortcuts