

AutoCAD Fundamental Introduction Course

This Fundamentals Introduction is the Ultimate AutoCAD Course and is designed for Beginners as an Introduction to Basic AutoCAD Skills. Delivered by a highly experienced CAD Expert. Exploring the AutoCAD interface, Converting drawing units, Using Template files, Zooming and panning around drawings, Drawing simple geometry and objects Moving, scaling, and rotating, Using Fillet and Chamfer Drawing with snapping and coordinates, Adding hatching and gradients, Adding text to drawings, Working with dimensions, Grouping objects, Creating reusable blocks Designing tables, Working with XREFs, Creating layouts Adding annotations, Outputting drawings.

Who should do this course?

The course will suit people who are interested in developing computer-aided drafting and design skill using AutoCAD. The course focuses on basic drawing techniques, so will suit users across a broad range of industries..

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

Getting Started with AutoCAD

- Starting the Software
- User Interface
- Working with Commands
- Cartesian Workspace
- Opening an Existing Drawing File
- Viewing Your Drawing
- Saving Your Work

Duration: 4 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

Basic Drawing & Editing Commands

- Drawing Lines
- Erasing Objects
- Drawing Lines with Polar Tracking
- Drawing Rectangles/Circle
- Undo and Redo Action
- Create a Simple Drawing/Shapes

Drawing Precision in AutoCAD Fields

- Using Running Object Snaps
- Using Object Snap Overrides
- Polar Tracking at Angles
- Object Snap Tracking
- Drawing with Snap and Grid

Making Changes in Your Drawing

- Selecting Objects for Editing
- Moving/Copying Objects
- Rotating/Scaling Objects
- Mirroring Objects
- Editing with Grips

Organizing Your Drawing with Layers

- Creating New Drawings With Templates
- What are Layers? Layer States
- Changing an Object's Layer

Advanced Object Types

- Drawing Arcs/Polylines
- Editing Polylines
- Drawing Polygons/Ellipses

Getting Information from Your Drawing

- Working with Object Properties
- Measuring Objects

Advanced Editing Commands

- Trimming and Extending Objects
- Stretching Objects
- Creating Fillets and Chamfers
- Offsetting Objects
- Creating Arrays of Objects

Inserting Blocks

- What are Blocks? Inserting Blocks

- Working with Dynamic Blocks
- Inserting Blocks with DesignCenter
- Inserting Blocks with Content Explorer

Preparing Layout for Plotting

- Model Space vs PaperSpace
- Creating/Scaling Viewports
- Plotting Page Setups
- Project 1,2 - Floor Plan
- Civil Project - Parking Lot

Setting Up a Layout

- Printing Concepts
- Working in Layouts/Copying Layouts
- Locking Viewports
- Guidelines for Layouts
- Printing Layouts
- Printing from the Model Tab

Projects - Preparing to Print

- Mechanical Project
- Architectural Project

Text

- Working with Annotations
- Adding Text in a Drawing
- Modifying/Formatting Multiline Text
- Adding Notes with Leaders to Your Drawing
- Creating/Modifying Tables

Hatching

- Hatching/Editing Hatches

Adding Dimensions

- Dimensioning Concepts
- Adding Linear Dimensions
- Adding Radial & Angular Dimensions
- Editing Dimensions

Projects - Annotating Your Drawing

- Mechanical Project
- Architectural Project 1
- Civil Project