

AutoCAD

- Who All Can Attend this Course?

This course is ideal for the CAD industry professionals, holding the designation of

- Site Engineers (Mechanical Electrical & Plumbing)
- Civil Engineers
- Drafters
- Design Engineer's

- AutoCAD training an Overview

In this beginner AutoCAD class, you'll learn basic drawing and modifying techniques for drafting and technical drawing, using AutoCAD to create drawings that can be used to build and real objects both mechanical and architectural. We'll cover basic methods of printing and plotting layouts and sheets, working between model space and paper space, and scaling drawings through viewports. Learn techniques for inserting blocks, making text, dimensioning drawings, and working with layers and templates.

Course Outline

1: Getting Started with AutoCAD

- Opening and Creating Drawings
- Exploring the AutoCAD Interface
- Zooming and Panning

2: Basic Drawing & Editing Commands

- Using the Mouse, Keyboard, and Enter Key to work quickly and efficiently in AutoCAD
- Lines
- Circles
- Rectangles

3: Projects - Creating a Simple Drawing

- Creating Simple Drawings
- Using Object Snap Tracking to extrapolate a projected top view
- Using Modify tools to arrange an office layout

4: Drawing Precision in AutoCAD

- Polar and Ortho Tracking
- Entering Coordinates and Angles
- Object Snaps and Tracking

5: Making Changes in Your Drawing

- Move
- Copy
- Rotate
- Mirror
- Scale
- Using the reference option with the Scale Tool

6: Drawing Templates

- Using Template Files (.dwt) to Make New Drawing
- Exploring what Settings and Elements are saved with Templates

7: Organizing Your Drawing with Layers

- Layer States
- Properties by Layer
- Layer Tools

- 8: Advanced Object Types
 - Polylines
 - Arcs
 - Polygons
 - Ellipses
- 9: Analyzing Model and Object Properties
- The Properties Palette
 - Quick Select
 - Select Similar
 - Measure Geometry Tools
- 10: Projects - Drawing Organization & Information
- Drill Plate
 - Furniture Showroom
- 11: Advanced Editing Commands
- Trim and Extend
 - Fillet and Chamfer
 - Polyline Edit and Spline
 - Offset and Explode
 - Join
- 12: Inserting Blocks
- The Insert Block Command
 - Inserting Blocks with Tool Palettes
 - Dynamic Blocks
 - Migrating Blocks and other Elements between Drawings with Design Centre
- 13: Projects - Creating More Complex Objects
- Starting a Floor Plan
- 14: Setting Up a Layout
- Using Layouts and Viewports
 - Scaling Viewports
 - Model Space vs. Paper Space in Layouts
- 15: Printing Your Drawing
- Printing from Layout Tabs
 - Printing from the Model Tab
- 16: Projects - Preparing to Print
- Making Layouts for a Banquette Hall
- 17: Text
- The Multiline Text Tool
 - The Single Line Text Tool
 - Editing Text
 - Text in Model Space vs. Paper Space
 - The Multileader Tool
- 18: Hatching
- The Hatch Command
 - The Hatch Editor Ribbon Tab
 - Saving and Applying Hatches with Tool Palettes
- 19: Adding Dimensions
- Using Dimensioning Tools
 - Dimensioning in a Layout Tab vs. the Model Tab
 - Using Dimension Styles
 - Editing Dimensions
- 20: Projects - Annotating You're Drawing
- Dimensioning a Mechanical Drawing

Thank You!