

COURSE CONTENT – BEGINNER AUTOCAD

Getting Started with AutoCAD

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

Basic Drawing & Editing Commands

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

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

Drawing Precision in AutoCAD

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

Making Changes in Your Drawing

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



COURSE CONTENT – BEGINNER AUTOCAD

Drawing Templates

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

Organizing Your Drawing with Layers

- Layer States
- Properties by Layer
- Layer Tools

Advanced Object Types

- Polylines & Arcs
- Polygons & Ellipses

Analyzing Model and Object Properties

- The Properties Palette
- Quick
- Select Select Similar
- Measure Geometry Tools

Projects - Drawing Organization & Information

- Drill Plate
- Furniture Showroom

Advanced Editing Commands

- Trim and Extend
- Fillet and Chamfer
- Polyline Edit and Spline
- Offset and Explode



COURSE CONTENT – BEGINNER AUTOCAD

Inserting Blocks

- The Insert Block Command
- Inserting Blocks with Tool Palettes
- Dynamic Blocs
- Migrating Blocks and other Elements between Drawings with Design Center

Setting Up a Layout

- Using Layouts and Viewports
- Scaling Viewports
- Model Space vs. Paper Space in Layouts

Printing Your Drawing

- Printing from Layout Tabs
- Printing from the Model Tab

Text

- The Multiline Text Tool
- The Single Line Text Tool
- Editing Text
- Text in Model Space vs. Paper Space
- The Multileader Tool

Hatching

- The Hatch Command
- The Hatch Editor Ribbon Tab
- Saving and Applying Hatches with Tool Palettes



COURSE CONTENT – BEGINNER AUTOCAD

Adding Dimensions

- **Using Dimensioning Tools**
- **Dimensioning in a Layout Tab vs. the Model Tab**
- **Using Dimension Styles**
- **Editing Dimensions**

Projects

- **Major (in group)**
- **Minor (Individual)**

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