

## AutoCAD® Essentials

The AutoCAD Essentials class introduces the user to 2D AutoCAD. This course will get you started if you have never used AutoCAD. It is also a great refresher course if you haven't used it in a while, have been using an older release, or if you just want a thorough brush up on the basics and important new features. Upon completion of this course, you will be confident in using AutoCAD to create, layer, edit, modify, annotate, dimension and prepare sheets for plotting.

### Getting Started with AutoCAD

- User Interface
- Working With Commands
- Cartesian Workspace
- Opening, Viewing & Saving your Drawing

### Basic Drawing & Editing Commands

- Drawing Lines, Rectangles, & Circles
- Erasing Objects
- Undo & Redo Actions

### Drawing Precision in AutoCAD

- Running Object Snaps
- Object Snap Overrides
- Polar and Object Snap Tracking
- Drawing with Snap & Grid

### Making Changes in Your Drawing

- Selecting Objects
- Editing with Grips

### CAD Standards and Drawing Organization

- Creating & Editing Layers
- Changing an Objects' Layer

### Advanced Object Types

- Creating & Editing Polylines
- Arcs, Polygons, & Ellipses
- Templates & Layer States
- Moving, Copying, & Rotating Objects
- Scaling & Mirroring Objects

### Drawing Inquiry Tools

- Working with Object Properties
- Measuring Objects

### Advanced Editing Commands

- Trimming & Extending Objects
- Stretching & Offsetting Objects
- Fillets & Chamfers
- Arrays of Objects

### Inserting Blocks

- Inserting Blocks & Dynamic Blocks
- Using Design Center, Seek, & Content Explorer

### Introduction to Layouts & Printing

- Printing Concepts
- Layouts & Viewports

### Annotations and Text

- Adding & Modifying Multiline Text
- Adding Notes & Multi Leaders to your Drawing
- Creating & Modifying Tables

### Hatching

- Creating & Editing Hatches

### Adding Dimensions

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

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