

## AutoCAD Level 1: Essentials

**Length:** 3 Days

**Summary:** In this course you will learn the features, commands, and techniques for creating, editing, and printing drawings in AutoCAD. Using hands-on exercises, you will explore the AutoCAD interface while creating amazing 2D production drawings.

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### COURSE CONTENT

#### Lesson 1: Taking the AutoCAD Tour

- Navigating the Working Environment
- Working with Files
- Displaying Objects

#### Lesson 2: Creating Basic Drawings

- Inputting Data
- Creating Basic Objects
- Using Object Snaps
- Using Polar Tracking and PolarSnap
- Using Object Snap Tracking
- Working with Units

#### Lesson 3: Manipulating Objects

- Selecting Objects in the Drawing
- Changing an Object's Position
- Creating New Objects from Existing Objects
- Changing the Angle of an Object's Position
- Creating a Mirror Image of Existing Objects
- Creating Object Patterns
- Changing an Object's Size

#### Lesson 4: Drawing Organization and Inquiry Commands

- Using Layers
- Changing Object Properties
- Matching Object Properties
- Using the Properties Palette
- Using Linetypes
- Using Inquiry Commands

#### Lesson 5: Altering Objects

- Trimming and Extending Objects to Defined Boundaries
- Creating Parallel and Offset Geometry
- Joining Objects
- Breaking an Object into Two Objects
- Applying a Radius Corner to Two Objects
- Creating an Angled Corner Between Two Objects
- Changing Part of an Object's Shape

#### Lesson 6: Working with Layouts

- Using Layouts
- Using Viewports

### **Lesson 7: Annotating the Drawing**

- Creating Multiline Text
- Creating Single Line Text
- Using Text Styles
- Editing Text

### **Lesson 8: Dimensioning**

- Creating Dimensions
- Using Dimension Styles
- Editing Dimensions
- Using Multileaders

### **Lesson 9: Hatching Objects**

- Hatching Objects
- Editing Hatch Objects

### **Lesson 10: Working with Reusable Content**

- Using Blocks
- Working with DesignCenter
- Using Tool Palettes

### **Lesson 11: Creating Additional Drawing Objects**

- Working with Polylines
- Creating Splines
- Creating Ellipses
- Using Tables

### **Lesson 12: Plotting Your Drawings**

- Using Page Setups
- Plotting Drawings

### **Lesson 13: Creating Drawing Templates**

- Using Drawing Templates