

## AutoCAD/LT training course - AutoCAD Essentials

### Course Description

Teaches the features, commands and techniques for creating, editing and printing drawings with AutoCAD® and AutoCAD LT® using hands-on exercises to create 2D production drawings.

### Course Duration

3 days.

### Objectives

Upon completion of this course the delegates will be able to:

- Navigate the AutoCAD and AutoCAD LT user interfaces.
- Use the fundamental features of AutoCAD and AutoCAD LT.
- Use the precision drafting tools in AutoCAD and AutoCAD LT to develop accurate technical drawings.
- Present drawings in a detailed and visually impressive way.

### Who Should Attend

New users of AutoCAD or AutoCAD LT.

### Pre-requisites

Delegates should have a working knowledge of Microsoft® Windows®. No other knowledge or experience is required.

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## Course Outline

### Taking the AutoCAD Tour

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

### Creating Basic Drawings

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

### 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

### Drawing Organization and Inquiry Commands

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

### 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

### Working with Layouts

- Using Layouts
- Using Viewports

### Annotating the Drawing

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

### Dimensioning

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

### Hatching Objects

- Hatching Objects
- Editing Hatch Objects

### Working with Reusable Content

- Using Blocks
- Working with DesignCenter™
- Using Tool Palettes

### Creating Additional Drawing Objects

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

### Plotting Your Drawings

- Using Page Setups
- Plotting Drawings

### Creating Drawing Templates

- Using Drawing Templates

**Please note:** Course topics may be modified by the instructor based upon the knowledge and skill level of the course participants.

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