

AutoCAD 2007 Essentials

Training Course Description

This course aims to teach students the basic commands necessary for professional 2D drawing, design, and drafting using AutoCAD/AutoCAD LT. Upon completion of the course, the student will be able to: Navigate the AutoCAD/AutoCAD LT user interface, use the fundamental features of AutoCAD/AutoCAD LT, use the precision drafting tools in AutoCAD/AutoCAD LT to develop accurate technical drawings and present drawings in a detailed and visually impressive manner.

Training Course Prerequisites

No previous CAD experience is necessary. However, drafting, design, or engineering experience is a plus. It is recommended that the student have a working knowledge of Microsoft® Windows® XP, Microsoft® Windows® 2000, or Microsoft® Windows® NT 4.0.

Training Course Objectives

The following product areas are covered during this course:

- 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
 - Using Function Keys
- 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
 - Changing Part of an Object's Shape
 - Creating a Mirror Image of Existing Objects
 - Creating Object Patterns
- 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
 - Changing Part of an Object's Shape
 - Using Grips
- Annotating Drawings
 - Creating Multiline Text
 - Creating Single Line Text
 - Using Text Styles
 - Editing Text
- Hatching Objects
 - Hatching Objects
 - Editing Hatch Objects
- Dimensioning
 - Creating Dimensions
 - Using Dimension Styles
 - Editing Dimensions
- Working with Reusable Content
 - Using Blocks
 - Working with

- Changing an Object's Size
- Drawing Organization and Inquiry Commands
 - Using Layers
 - Object Properties
 - Matching Object Properties
 - Using the Properties Palette
 - Using Linetypes
 - Using Inquiry Commands
- DesignCenter™
- Using Tool Palettes
- Creating Additional Drawing Objects
 - Working with Polylines
 - Creating Splines
 - Creating Ellipses
 - Using Tables
- Layouts and Plotting
 - Using Layouts
 - Using Page Setups
 - Using Viewports
 - Plotting Drawings
 - Template Drawing Creation