

AutoCAD® / AutoCAD® LT 2010 Essentials

Course length: 4 days

Pre-requisites:

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

Topics covered:

Taking the AutoCAD Tour

- Navigating the Working Environment
- Using Tooltips help
- Using InfoCenter tools
- Working with files
 - Navigation Menu
 - QuickView drawing tools
 - Using the Ribbon
- Displaying Objects
- The new drawing format v2010

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
- Changing an Object's Size

Drawing Organization and Inquiry Commands

- Using Layers
- Layers Tools management
 - Working with Layers Manager (ToolPalettes)
- Object Properties
- Matching Object Properties
- Using the Properties Palettes
 - Working with Properties palette, QuickProperties and RollOver
- Using Linetypes
- Using Inquiry Commands

Altering Objects

- Trimming and Extending Object to Defined Boundaries
- Creating Parallel and offset Geometry
- Joining Objects
- Breaking an Object into Two Objects
- Applying a Radius Corner to Two Objects
- Applying a Chamfer Corner to Two Objects
- Changing Part of an Object's Shape
- Using Grips

Page Setup

- Using page setups
- Layout configuration
- Using Viewports

Annotating Drawings

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

Hatching Objects

- Hatching Objects
- Editing Hatch Objects

Dimensioning

- Creating Dimensions
- Using Dimension Styles
- Editing Dimensions
- Using Multiple Leaders
- Breaking a dimension

Working with Reusable Content

- Using Blocks
 - Block conversion to external block
- Working with DesignCenter™
- Using Tool Palettes
- Creating Attributes (Multiline)
- Share and search drawings and symbols
 - Autodesk Seek

Creating Additional Drawing Objects

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

Plotting

- Page Setups Management
- Working with Scale Annotation
- Page Setup properties (Viewport Override)
- Plotting Drawings
- Publishing Drawings (PDF, DWFx, Etransmit)
 - Drawings exportation DWG to PDF
 - PDF importation as *underlay*
 - Osnap capacity
 - Using the contextual *PDF underlay* ribbon
 - Layers and Page Setup management
 - Using *Design Review* to open a PDF
 - Alternative publish process to DWFx

Template Drawing Creation

- Using Drawing Templates

