

Description

This course covers the core topics for working with AutoCAD in a 2D environment. The course delivery starts with the basic tools that enable the student to create and edit a simple drawing, and then continue to develop those tools. Hands-on exercises will be provided throughout the course.

Certification

An Advanced Spatial Technologies "Certificate of Completion" will be issued on completion of the course

Objectives

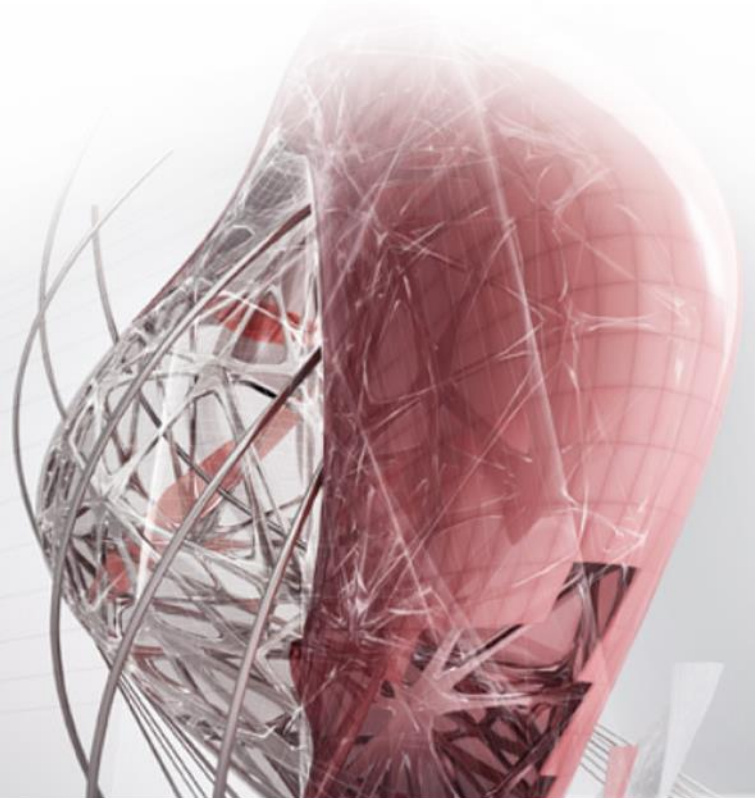
On completion of this course, students will be able to demonstrate competency in commands, concepts and develop skills necessary to:

- Navigate the AutoCAD workspace and user interface
- Modify and adjust properties of objects, obtain geometric information and manage layers
- Change the orientation, shape and geometric composition of objects
- Use the precision drafting tools in AutoCAD/ AutoCAD LT to develop accurate technical drawings
- Use and create blocks and attributes
- Present drawings in a detailed and visually impressive manner

Pre-requisites

This course is designed for new users of AutoCAD or AutoCAD LT. No previous CAD experience required, but students are expected to have a sound level of computer literacy and at least a basic background of drafting and engineering principles.

Delivery Mode: 3 days (0900-1600)



Training Course Subjects

Getting started with AutoCAD

- AutoCAD User Interface
- Navigating Workspace
- Viewing and Saving your Drawing

Basic Drawing & Editing

- Using Basic Drawing Tools to Create Objects
- Erasing Objects
- Undo and Redo Objects
- Using Object Snaps for Precision Drawing
- Working with Units

Manipulating Objects

- Different Selection Methods
- Moving and Copying Objects
- Changing the Angle of an Object's Position
- Mirroring Objects
- Changing an Object's Size
- Creating Object Patterns (Array)
- Stretching Objects

Altering Objects

- Trim and Extend Objects
- Working with Polylines
- Creating rounds the edges of objects
- Chamfering Objects
- Offsetting an Object at the specified distance
- Joining and Breaking Compound Object into its component objects

Hatching Objects

- Hatching Objects
- Editing Hatch Objects

Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

Working with Blocks

- Using and Creating Simple Blocks
- Working with DesignCenter™
- Using Tool Palettes

Drawing Organisation and Inquiry Commands

- Creating and Managing Layers
- The best way of using layers
- Object Properties Tool Palette
- Using Match Properties
- Using Linetypes
- Measuring

Adding Annotations to your Drawing

- Creating Single Line and Multiline Text
- Using Text Styles and editing Text
- Importing Text to a Drawing
- Creating and Editing Dimensions
- Using Dimension Styles

AutoCAD documentation

- Printing from model space
- Creating Layouts and Viewports
- Working with Annotative scales
- Printing Layout

