

Overview



The objective of AutoCAD®/AutoCAD LT® Essentials is to enable students to create a basic 2D drawing in the AutoCAD software. Even at this fundamental level, the AutoCAD software is one of the most sophisticated computer applications that you are likely to encounter. Therefore, learning to use it can be challenging.

AutoCAD/AutoCAD LT Essentials covers the essential core topics for working with the AutoCAD software. The teaching strategy is to start with a few basic tools that enable the student to create and edit a simple drawing, and then continue to develop those tools. More advanced tools are also introduced throughout the training course.

Duration

3 Days (08:30 – 16:00)



Pre-requisites



It is recommended that delegates have a working knowledge of one or more of the following:

- Attended Introduction to Technical Drawing / Experience with Drafting, design, or engineering principles.
- Computer Literate

Course Accreditations



This course is validated at the following Quality Councils for CPD Credits:

Course Outline



Exploring the User Interface

- Starting the Software
- The Start-Up Page
- The Drawing Interface
- Opening New & Existing, Saving and Closing Drawings
- Working with Commands
- Cartesian Workspace
- Working with the Mouse
- Navigating in AutoCAD

Basic Drawing and Editing Commands

- Drawing Lines
- Selection Methods and Erasing Objects
- Using the Status Bar
- Drawing Circles

Drawing Precision

- Object Snaps
- Object Snap Tracking

Making Changes to your Drawing

- Moving Objects
- Copy Objects
- Rotate Objects
- Scale Objects
- Mirroring Objects - Editing with Grips

Advanced Objects

- Drawing Arcs
- Drawing Polylines
- Editing Polylines
- Polygons
- Drawing an Ellipse

Getting Information from the Drawing

- Properties Palette
- Quick Properties
- Match Properties
- Quick Select

Measure Tools

Advanced Editing Commands

- Trimming and Extending Objects
- Stretch Objects
- Fillets and Chamfers
- Offset Objects

- Creating Arrays of Objects

Understanding Layers

- Working with Layers
- Properties Panel
- Line type Scale

Block Elements

- Inserting Blocks

Text

- What is Annotation
- Multiline Text

Hatching

- Creating Hatches
- Editing Hatches

Dimensions

- Adding Dimensions to the Drawing
- Editing Dimensions

Layouts and Printing

- Model and Paper Space
- Printing