

## AutoCAD Introduction – 2 days

AutoCAD

### Course Objectives

Learn the essential skills of using AutoCAD for the preparation and delivery of 2 dimensional drawings. By the end of this course, students will be able to create AutoCAD drawings, navigate the environment, manipulate AutoCAD objects and plot drawings.

### Prerequisites

This course assumes that you have gained a basic understanding of Windows. This includes an ability to work with multiple windows and navigate the desktop, as well as having an understanding of computer file storage (i.e. drives, files and folders).

### Exercises

This course is instructor led, involving the utilisation of examples and exercises in a workshop environment.

### The Fundamentals

- Understanding the AutoCAD Environment
- Create, Save and Close a New Drawing
- Editing an Existing Drawing

### Working with Drawings

- Basic commands – LINE, ARC, CIRCLE
- Co-ordinate systems – UCS & WCS
- Precision Input
- Using Absolute, Relative and Polar Co-ordinates
- Object Snapping
- Selecting Groups of Objects
- Controlling the AutoCAD Environment
- Using GRIPS

### Editing Commands

- Erase
- Copy
- Move
- Mirror
- Array
- Rotate
- Scale
- Stretch
- Fillet Chamfer
- Trim End
- Break
- Change
- Offset
- Chamfer
- Fillet Erase
- New
- Zoom
- Limits
- Dim
- Divide
- Insert

### Controlling Drawings

- Using Layers
- Adding Free Text
- Using Drawing Templates
- Adding Dimensions
- Dimension Style Families

### Plotting

- Selecting a plotter / printer
- Generating Output