

Overview

Course Objective

This course is intended to teach you how to use AutoCAD as a draughting tool to produce 2D working drawings. You will be shown how to create a new drawing, edit an existing drawing and also how to plot a drawing to a suitable printer or plotter. In addition to this, you will be shown how to setup your drawing environment and customise your screen layout to suit your own preferences.

Duration

3 Days

Who Should Attend

- New users with little or no experience of AutoCAD.
- Existing users with no formal training wishing to consolidate their knowledge and increase their confidence in the use of AutoCAD.
- Users migrating from other CAD systems to AutoCAD.

Pre-Requisites

- None

Course Content

- *Introduction to the course and hardware*
 - Overview of AutoCAD Release
 - Overview of a PC, peripherals e.g. printers and plotters, system settings and the Windows environment
- *Starting a New Drawing/Opening an existing drawing*
 - Setting up a drawing starting from scratch, using a Wizard, using and creating a template file
 - Opening an existing drawing
 - Screen layout, pull-down menus, screen icons, command line and dialogue boxes, status bar toggles
 - Setting preferences
- *Drawing Commands*
 - Lines, multilines and polylines
 - Arc, circle and ellipse
 - Co-ordinate input methods (directive, absolute, relative and polar)
 - Hatching
 - Dimensions
 - Text (multi-line & single line / true type fonts)

Overview

Course Content (continued)

- *Edit Commands*
 - Erase, trim, extend, break and explode
 - Copy, offset, array, fillet and chamfer
 - Move, stretch, rotate and mirror

- *View Commands*
 - Zoom, pan, redraw and regen (realtime options)
 - Hide, shade and viewpoint

- *Drawing Settings and Aids*
 - Osnap settings, grid and snap
 - World UCS and User-defined UCS
 - Text styles and dimension styles (importing & exporting)
 - Drawing limits and units
 - Layers
 - Modify and match properties
 - Blocks and Wblocks
 - Attributes
 - Paperspace, layout space, tilemode and viewports (layer)
 - AutoCAD Bonus Tools
 - In-Place editing of XREFs.

- *Assist Commands*
 - Cancel, undo and redo
 - Help

- *Saving and Plotting*
 - Pen assignments and printer setup
 - Rotation, scale and preview
 - Saving and opening files
 - Using Windows Explorer whilst in AutoCAD

Certificate

At the end of the course, following satisfactory completion of the above, you will be presented with a certificate.

Related Courses

- AutoCAD Advanced
- AutoCAD 3D
- AutoCAD Architecture