

# AutoCAD Beyond the Basics

**Category:** Computer Aided Design (CAD), AutoCAD

## Tips and Tricks

- Improve drawing revisions with rev clouds and wipeouts
- Create polylines boundaries to simplify area extraction
- Use regions for complex area calculations
- Create selection sets based on object properties
- Reduce file size and maintain good CAD management practices by purging unreferenced objects
- Use points to identify coordinate locations in your drawing
- Place objects at evenly spaced intervals
- Use QuickCalc to perform calculations or convert units.

## Advanced Text

- Understand the single interface for all text commands
- Create text with tabs, indents, paragraph/line spacing
- Create static and dynamic text columns
- Make the most of AutoCAD's spell checker
- Create attributes with multiple lines of text

## Working with Tables

- Use AutoCAD's table function to make your data easy to understand and share
- Control table appearance and make global changes
- Use formulas, auto text and blocks in your tables to automate annotation and perform calculations
- Extract block attribute data to your table Save time and reduce errors by dynamically linking data in an Excel spreadsheet to your AutoCAD table

## Blocks and Attributes

- Create a block so it can be used in multiple drawings
- Create an annotative blocks that are scaled by the annotative scale in a viewport
- Attach numeric and txt information to block definitions to make it easy to track drawing data

### **Reusable Content**

- Reuse data from another drawing using Design Centre
- Increase productivity by making your most frequently used tools and commands available on tool palettes – one of the most dramatic enhancements to AutoCAD in recent years
- Easily manage large, multi-disciplinary projects using external references
- Effectively manage your xrefs for better viewing and smaller files

### **Layer Management and Best Practices**

- Use Layer filters to quickly find objects you need inside of complex drawings
- Use layer states to return to a saved configuration of layers
- Ensure uniformity across drawings using layer standards

### **Working with DWF Files**

#### **Dynamic Blocks**

- Create single block to represent multiples object configurations Assign actions to specific parameters of you dynamic block, such as scale, stretch, move, rotate, flip and array

## About SquareOne

SquareOne is among the UK's leading providers of IT training & Consultancy to businesses of all shapes and sizes.

Our passion is to deliver flexible, inspiring, motivational and cost effective training which brings about tangible improvements in productivity to unlock your hidden potential.

## Who should attend?

AutoCAD users (all versions) who wish to improve their skills for 2D drawing productions. This course is appropriate for users of all disciplines – architects, engineers, designers, facilities planners, drafters, and others.

## Course Objectives

After completing the course you will be able to:

- Improve day-to-day productivity with advanced AutoCAD commands
- Use Autodesk's advanced text and table tools to automate drawing annotation
- Easily track and manages drawing data using block attributes
- Dramatically increase efficiency using AutoCAD's tool palettes Use AutoCAD's layer tools to improve drawing navigation and standardisation

## Course Details

Duration: 2 Days

Timings: 09:30 - 17:00

## Course Contents

The subjects listed on the left are an outline. If there are any additional subjects you wish to cover, please feel free to call us prior to the course.

## Training Locations

Our lead training centre is located in Birkenhead, Merseyside, where we have state of the art training facilities. We also have a number of training venues throughout the North West, covering Chester, Manchester, Liverpool, North Wales, Lancashire and Staffordshire.

Alternatively, we can come to your business bringing with us our mobile IT classroom. We can deliver this kind of training anywhere in the UK and Europe.

## Where We Have Trained

SquareOne have delivered training solutions throughout the UK in locations such as London, Liverpool, Wirral, Blackpool, Manchester, Sussex, Surrey, Hampshire, Edinburgh and Belfast. We have also trained at international locations such as France, Germany, Switzerland, Scandinavia and USA.

Training has been delivered to a diverse range of industries including oil and gas, agriculture, automobile manufacture, food production, the arts and finance.

## BOOKING

To discuss course contents and booking arrangements, please call SquareOne on:

**T:** +44 (0)151 650 6907

**E:** enquiries@squareonetraining.com