

# AutoCAD Essentials

## Training course outline

AutoCAD is the industry leading 2D drawing software.

*AutoCAD Essentials* training provides a thorough grounding in AutoCAD for beginners. On completion, you will be able to use AutoCAD to create high quality, accurate 2D drawings and update existing drawings.



### Course summary

This course teaches the most widely used commands and techniques for drawing in AutoCAD.

The AutoCAD drawing techniques taught are generic, relevant to all industries.

### Duration

Three days.

### Who should attend?

Newcomers to AutoCAD and novice AutoCAD users.

### General information

Armada is an Autodesk authorised Training Centre (ATC), and our *AutoCAD Essentials* course is accredited by Autodesk.

AutoCAD courses are hosted by Autodesk Certified Trainers (ACTs) vast experience using AutoCAD in industry.

Whilst attending training, delegates have the use of a computer running licensed AutoCAD software on which to practice the techniques taught. Refreshments and a buffet lunch are also provided.

Course fees can be paid by cheque, electronic transfer or credit/debit card.

### Courseware and certificate

Delegates receive:

- Autodesk Official Training Guides, the most comprehensive AutoCAD training materials available.
- An e-certificate from Autodesk confirming attendance on an accredited *AutoCAD Essentials* training course.

### Method of delivery

Training is designed for the busy professional, being short and intensive and combining lecture and demonstration. Practical exercises carried out under guidance help delegates to learn the techniques taught.

Delegates have ample opportunity to discuss specific requirements with the trainer.

### After course support

Following AutoCAD training, delegates are entitled to 30 days email support from their trainer to help with any post-course issues.

### AutoCAD professional certification

Armada is an authorised Autodesk Certification Centre (ACC) offering Autodesk professional certification exams which lead to 'Autodesk-certified professional in AutoCAD' status.

### Further information

For further details, including prices and dates of forthcoming courses, see: [armada.co.uk/autocad-training-course](http://armada.co.uk/autocad-training-course).

### Course syllabus

See over.

# Course syllabus

Topics	Sub-topics
<b>The AutoCAD interface</b>	Features of the ribbon The Application menu The Quick Access toolbar The command line
<b>Creating basic drawings</b>	Creating basic objects Working with polylines Using object snaps Using object snap tracking
<b>Accurate object creation</b>	Working with units Cartesian coordinates Polar coordinates Using Inquiry commands
<b>Object viewing</b>	Zooming techniques Panning techniques
<b>Manipulating objects</b>	Selecting objects in the drawing Moving objects Copying objects Rotating objects Mirroring objects Arraying objects Scaling objects
<b>Altering objects</b>	Trimming and extending objects to defined boundaries Creating parallel and offset geometry Joining objects Filleting corners between two objects Chamfering corners between two objects Stretching objects

Topics	Sub-topics
<b>Drawing organisation</b>	Using layers Changing object properties Matching object properties Using the properties palette Using linetypes
<b>Working with layouts</b>	Using page setups Using layouts Using viewports Scaling drawing views
<b>Annotating the drawing</b>	Creating multiline text Creating single line text Using text styles Editing text
<b>Dimensioning</b>	Creating dimensions Using dimension styles Editing dimensions Using multileaders
<b>Hatching objects</b>	Hatching objects Editing hatch objects
<b>Working with reusable content</b>	Creating and inserting blocks Using tool palettes
<b>Plotting your drawings</b>	Plotting drawings PDF output Using Plotstyles
<b>Creating drawing templates</b>	Using drawing templates