

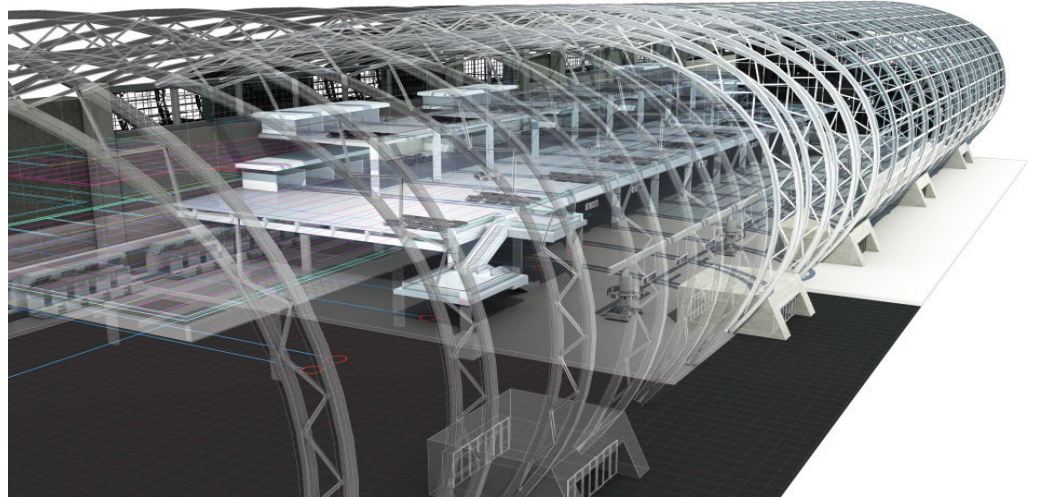
AutoCAD Intermediate

Training course outline



Building on the basics, this course teaches the use of AutoCAD's more advanced features and commands for 2D drawing.

You will learn a wide range of techniques, tricks and tips that most AutoCAD users are unaware of, that will bring you significant productivity gains and ensure you're utilising the full power that AutoCAD offers.



Course summary

Following on from *AutoCAD Essentials*, this course teaches further AutoCAD skills including:

- Setup and configuration of AutoCAD.
- Advanced use of layers.
- Dimensioning strategy and principles.
- Scaling with text and dimensions.

Duration

Three days.

Prerequisites

Delegates should be familiar with the fundamentals of AutoCAD for 2D design, as taught in our [AutoCAD Essentials](#) course.

In-class or live online

You can attend course in-person at any of our centres, or participate online from your place of work or home.

To read about our approach to online training, see armada.co.uk/live-online-training.

General information

Armada is an Autodesk authorised Training Centre (ATC); our *AutoCAD Intermediate* course is accredited by Autodesk.

AutoCAD courses are hosted by Autodesk Certified Instructors (ACIs) with vast experience of using AutoCAD in industry.

Whilst attending training at our centres, delegates have the use of a computer running licensed AutoCAD software to practice the techniques taught. Refreshments and lunch are provided.

Course fees can be paid by card or bank transfer. We accept purchase orders from UK-registered companies and public sector organisations.

If you're self-funding your training, you can pay in staged payments, interest-free, over 12 months.

Course materials and certificate

Delegates receive:

- A comprehensive AutoCAD training guide.
- An e-certificate from Autodesk confirming attendance on an accredited *AutoCAD Intermediate* 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, you're entitled to 30 days' email support from your trainer.

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, prices & dates

See: armada.co.uk/course/autocadint.

Course syllabus

See over.



Course syllabus

Session	Topics
Advanced drawing techniques	Working with splines Creating advanced polylines Isometric drawings
Tables and table styles	Creating a table style Importing from and exporting to tables
Working with reusable content	Advanced tool palettes DesignCenter
* Using Macros for Customisation	
Customising the User Interface	
Using system variables	
Dynamic blocks	Creating a dynamic block Adding an action Adding a parameter Creating multiple shapes in one block
* Parametrics	Creating parametric objects Using structural constraints Using AutoConstrain Using formulae
Attributes	Creating User-defined attributes Creating field-driven attributes Editing attributes Text fields * Data Extraction
External references (Xrefs)	Raster Images Drawing files Overlay vs attachment Team collaboration Using eTransmit for distribution
Draw order	

Session	Topics
User Coordinate Systems (UCS)	Working with the World Coordinate System (WCS) Setting custom UCS Saving multiple UCS
Importing PDF files	Controlling the PDF display Importing a PDF as an AutoCAD drawing
Advanced dimension styles	Dimension sub styles Using the dimension tool Dimension tolerancing
Multileader styles	
Wipeouts and revision clouds	
Annotative behaviour	Creating and using annotative text Creating and using Dimensions Creating and using Leaders Creating and using blocks Creating and using hatching
Advanced use of layer groups and filters	Creating a group filter Layer visibility within a viewport
Advanced layouts and paper space	Advanced creation techniques Viewport manipulation Creating custom viewport scales Named views
Line weight control (pen setup)	Object line weight Layer line weight Colour line weight (CTB files)
Advanced plotting and exporting	* Sheet sets Batch plotting Exporting DWF and DWFX files
Working efficiently	Purging
Setup and configuration of AutoCAD	

* To fully participate in these sessions and topics, you require full AutoCAD. If you're participating in this course online and are using AutoCAD LT, you'll have to observe these sessions/topics without participating.