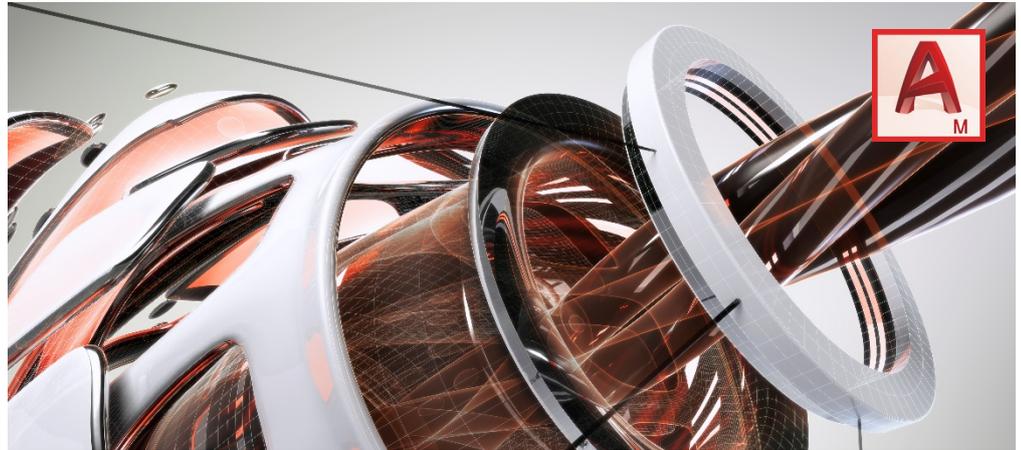


AutoCAD Mechanical

Training course outline

AutoCAD Mechanical simplifies and automates the most common tasks involved in design and drafting for the manufacturing industry.

This course teaches everything you need to know to create professional standard 2D drawings for mechanical designs.



Course summary

The topics covered include:

- Mechanical layers and layer control.
- Mechanical parts generators.
- Dimensioning and annotating.
- Generating Bills of Materials and parts lists.

Duration

Two days.

Who should attend?

Newcomers to AutoCAD Mechanical and novice AutoCAD Mechanical users.

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) accredited to provide AutoCAD Mechanical training.

AutoCAD Mechanical courses are hosted by Autodesk Certified Trainers (ACTs) with a background in engineering.

AutoCAD Mechanical training is arranged on-request, i.e. one-to-one training or a 'closed course' for your group. This means that the training can be:

- Provided when it suits you.
- Adapted to reflect any existing knowledge you have and the work you're going to be doing.

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:

- Comprehensive AutoCAD Mechanical training materials.
- An e-certificate from Autodesk confirming attendance on an accredited *AutoCAD Mechanical* course.

After course support

Following training, you're entitled to 30 days' email support from your trainer.

Further information

For further details, see armada.co.uk/course/autocad-mechanical-training. For a quote and details of our availability, please contact us.

Course syllabus

See over.



Course syllabus

Topics	Sub-topics
AutoCAD Mechanical design concepts	Interacting with the user interface
User interface	Common drawing setup
Mechanical layers and layer control	Layers Layer control
Workflows for organising and creating drawing geometry	Structuring data in drawings Reusing and editing structured data
Tools for creating key geometry	Core design tools Designing with lines Power snaps Centre lines Construction lines Adding standard feature data for holes and slots
Tools for manipulating geometry	Editing tools Power commands Associative hide
Mechanical part generators	Standard parts Chain/belt Shaft generator Standard shaft parts Springs

Topics	Sub-topics
Drawing sheets	Creating drawing sheets in model space Model space views in layouts Annotation views when using structure Title blocks and drawing borders
Dimensioning and annotating your drawings	Annotation and annotation symbols Creating dimensions Editing dimensions Hole charts and fits lists Revision lists
Bill of materials, parts lists and balloons	Part references Bill of materials Inserting parts lists Ballooning parts
Design calculations	Design calculations
Leveraging existing data	Library DWG™ and IGES files Inventor link
Mechanical options for the CAD manager	Standards-based design Configure layer, text and symbol properties Configure the annotation tools Configure component properties, BOM, parts lists and balloons