

# Fusion Technical Drawings

## Training course outline



Whilst Autodesk Fusion is primarily a platform for 3D modelling, it provides everything you need to produce accurate, to-scale 2D technical drawings.



### Course summary

Course is for newcomers to Fusion who only need to create technical drawings, i.e. do not have a requirement to sketch or create 3D models or assemblies.

You learn to:

- Create drawings of complex assemblies
- Document all types of geometry
- Format drawings to your preferences
- Use the AI functionality available to improve your drawing productivity.

Sessions include:

- Creating technical drawings from designs
- Drawing fundamentals
- Additional drawing features
- Assemblies in drawings
- Automated drawings

### Duration

One day.

### Who should attend?

Newcomers to Fusion, and novice users.

### Prerequisites

No prior Fusion knowledge is required.

Experience using a CAD application, such as AutoCAD, is beneficial but not essential.

### Windows or Mac

Fusion works similarly running on a Windows computer or Mac, and our course is suitable for users of both platforms.

If you attend a course in-class, you can choose to use a Windows computer or a Mac to practice the techniques taught.

### In-class or live online

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

To read about our approach to online training, see [armada.co.uk/liveonline](https://armada.co.uk/liveonline).

### General information

Armada is a long-standing Autodesk authorised Training Centre (ATC), and our *Fusion Technical Drawings* courses are accredited by Autodesk.

Courses are hosted by Autodesk Certified Instructors (ACIs) with vast experience of using Fusion professionally.

### Course materials and certificate

You'll receive:

- Training materials and video content recommendations.
- An e-certificate confirming successful completion of an accredited *Fusion Technical Drawings* course.

### After course support

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

### Further information

See: [armada.co.uk/course/fusiontechdrawings](https://armada.co.uk/course/fusiontechdrawings) or scan the QR code above.

### Course syllabus

See over.

### Other Fusion courses

- Fusion Essentials (2 days).
- Fusion Intermediate (2 days).
- Fusion Advanced (2 days).
- Fusion CAM and CNC Essentials (2 days).
- Fusion CAM and CNC Advanced (2 days).
- Fusion Sheet Metal Design (1 day).
- Fusion Additive Manufacturing (2 days).
- Fusion Simulation and FEA Stress Analysis (1-3 days).
- Fusion Generative Design (2 days).

# Course syllabus

Session	Topics
<b>Creating Technical Drawings from Designs</b>	Methods to create a new drawing Options when creating a drawing Selecting components to be in the drawing
<b>Drawing Fundamentals</b>	Creating a base view Creating projected views View settings – scale, visibility, orientation Centre marks, centre lines and other geometry Adding different dimension types Creating notes Completing the title block Exporting a drawing
<b>Additional Drawing Features</b>	Section, detail, break, auxiliary and views Adding tolerances, symbols and other information to dimensions Adding symbols and other text Revision, Hole and Bend tables Editing the title block Creating a drawing template

Session	Topics
<b>Assemblies in Drawings</b>	Adding multiple sheets Creating part tables Adding BOM Balloons Creating exploded drawings
<b>Automated Drawings</b>	What are automated drawings? How to use the automated drawing feature Advantages and disadvantages of AI in Autodesk Fusion Adjusting automated drawing preferences