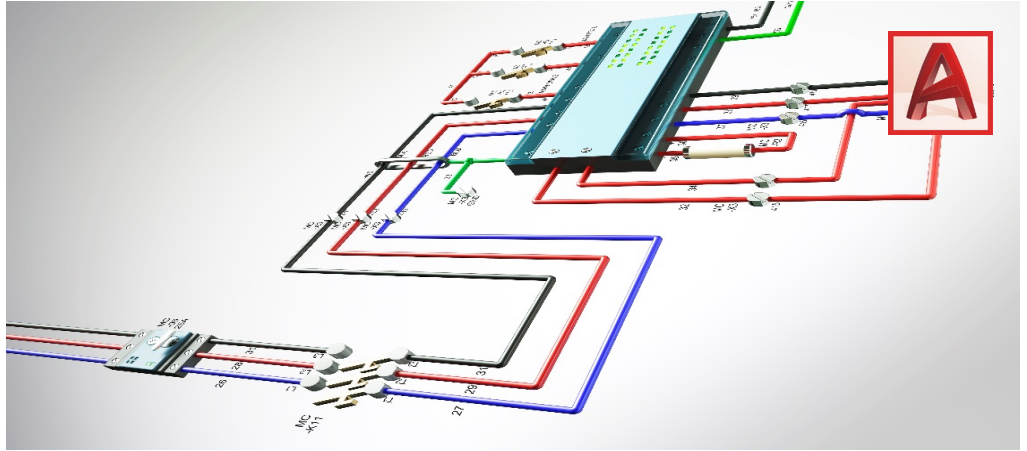


AutoCAD Electrical

Training course outline

AutoCAD Electrical is a specialist CAD drafting application for electrical circuit design.

AutoCAD Electrical training provides an overview of the application, teaching the use of key features for professional 2D electrical design and drafting.



Course summary

Teaches the use of the key functionality and features available in AutoCAD Electrical. Sessions include:

- Building diagrams and panel layouts.
- Creating drawings of electrical circuits and controls.
- Managing and updating electrical drawings.

Duration

2 days.

Who should attend?

Electrical design engineers looking to start drafting using AutoCAD Electrical.

Prerequisites

Delegates should have:

- Good working of standard AutoCAD, i.e. have attended *AutoCAD Essentials* training or have equivalent knowledge.
- An understanding of fundamental electrical circuit design principles and terminology.

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), and our *AutoCAD Electrical* course is accredited by Autodesk.

AutoCAD courses are hosted by Autodesk Certified Trainers (ACTs) 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 Electrical training guide
- An e-certificate from Autodesk confirming attendance on an accredited *AutoCAD Electrical* 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 their specific requirements.

After course support

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

Further information

See armada.co.uk/course/autocad-electrical-training.

Course syllabus

See over.

Course syllabus

Topics	Sub-topics
Introduction	Introduction to the course Overview of AutoCAD Electrical Overview of screen layout
Understanding project files	Creating a new project WDF project files Project Manager interface
Electrical schematic drawing	Wire numbering Component tagging Electrical control circuits Schematic symbol libraries Editing commands
Working with PLC symbols	Insert PLC (parametric) Insert PLC (full units) Insert Individual PLC I/O points PLC based tagging Spreadsheet to PLC I/O utility

Topics	Sub-topics
Creating custom symbols	Creation of schematic symbols Naming convention Icon menu wizard AutoCAD Electrical databases
Terminal plan drawing	Insert terminal symbol Manipulation of the terminal plan Multiple level terminals Multiple insert component command Insert jumpers Terminal strip editor DIN Rail command
Generating reports	Save an external file Put on drawing Configure report templates Running automatic reports Electrical audit