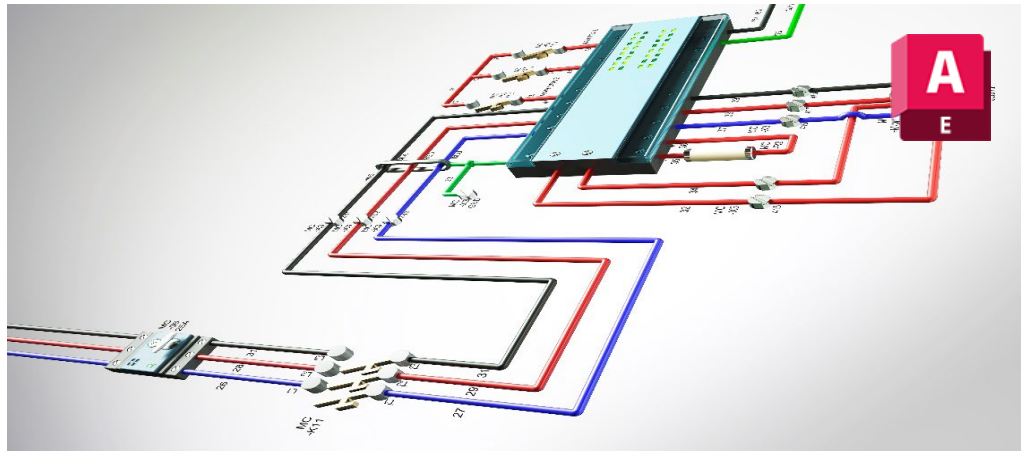


AutoCAD Electrical

Training course outline

The AutoCAD Electrical specialised toolset is used 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:

- A good working knowledge of AutoCAD for 2D drafting, i.e. be familiar with the topics taught in our *AutoCAD Essentials* course (see armada.co.uk/autocadess/syllabus).
- An understanding of fundamental electrical circuit design principles and terminology.

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.

General information

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

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

Whilst attending training at our centres, you'll have the use of a computer running licensed 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.

Course materials and certificate

You'll receive:

- A comprehensive training guide and practice files.
- An e-certificate confirming successful completion of 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 you learn the techniques taught.

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

After course support

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

Further information

See armada.co.uk/course/acadelec.

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