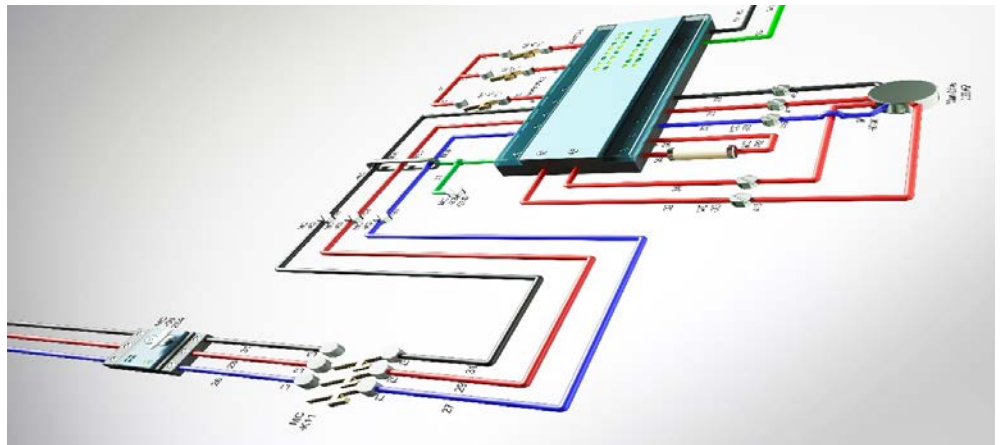


AutoCAD Electrical

Training course outline

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

AutoCAD Electrical Essentials course 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

Two 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.

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.

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

- Provided when it suits you.
- Based on the version of AutoCAD Electrical you use.
- Adapted to reflect the work you're going to be doing in AutoCAD Electrical, focusing on topics that are most important to you, and reducing emphasis on those that are less so.

Whilst attending training, delegates have the use of a computer running licensed AutoCAD software to practice the techniques taught.

Refreshments and lunch are also provided.

Course fees can be paid by cheque, electronic transfer or credit/debit card.

Courseware and certificate

Delegates receive:

- Autodesk Official Training Guides, the most comprehensive AutoCAD Electrical training materials available.
- An e-certificate from Autodesk confirming attendance on an accredited *AutoCAD Electrical* course.

After course support

Following AutoCAD training, delegates are entitled to 30 days email support from their trainer to help with any post-course issues.

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

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

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