

AutoCAD Electrical Fundamentals with IEC Standards - Virtual Course

This is an "online" version of the AutoCAD Electrical, Fundamentals training course, delivered remotely over a number of individual half-day sessions. In this course, delegates learn how to use many of the powerful electrical drawing creation tools in the AutoCAD Electrical software. Delegates create schematic drawings (ladder logic and point to point), panel drawings, and PLC-I/O circuits using automated commands for symbol insertion, component tagging, wire numbering, and drawing modification. In addition, delegates are introduced to methods of customising AutoCAD Electrical software symbols, circuits, and databases. Other topics covered include title block linking, reporting tools, templates, and project files.

Prerequisites

As this course is delivered via a web-link, those attending will need to have access to a workstation, connected to the internet, and with AutoCAD Electrical installed. A twin screen setup and a headset with microphone is also highly recommended. It is important that those attending this course have a working knowledge of the AutoCAD software as well as understanding electrical terminology

Objectives

SESSION ONE

09:30 Session 1.1

- Introduction (presentation)
- AutoCAD Electrical Interface (guided hands-on)

10:15 – 10:25

- Break

10:25 Session 1.2

- Project Manager (guided hands-on)

11:10 – 11:20

- Break

11:20 Session 1.3

- Creating New Project (guided hands-on)
- Creating New Drawings (guided hands-on)

12:05 – 12:15

- Break

12:15 Session 1.4

- Inserting Ladders (guided hands-on)

13:00

- End of Session 1

SESSION TWO

09:30 Session 2.1

- Creating Wires (guided hands-on)
- Wire Type Setup (guided hands-on)

10:15 – 10:25

- Break

10:25 Session 2.2

- Wire Numbers (guided hands-on)

11:10 – 11:20

- Break

11:20 Session 2.3

- Source & Destination Signal Arrows (guided hands-on)

12:05 – 12:15

- Break

12:15 Session 2.4

- Inserting Components (guided hands-on)
- Parent/Child Components (guided hands-on)

13:00

- End of Session 2

SESSION THREE

09:30 Session 3.1

- 3-Phase Circuits (guided hands-on)
- 3-Phase Components (guided hands-on)

10:15 – 10:25

- Break

10:25 Session 3.2

- 3-Phase Wire Numbers (guided hands-on)
- Multiple Bus (guided hands-on)

11:10 – 11:20

- Break

11:20 Session 3.3

- Re-using Circuit Design (guided hands-on)

12:05 – 12:15

- Break

12:15 Session 3.4

- Inserting Terminals (guided hands-on)
- Terminal Strip Editor (guided hands-on)

13:00

- End of Session 3

SESSION FOUR

09:30 Session 4.1

- Inserting Panel Footprints (guided hands-on)
- Inserting Components (guided hands-on)

10:15 – 10:25

- Break

10:25 Session 4.2

- Panel Layout Annotations (guided hands-on)

11:10 – 11:20

- Break

11:20 Session 4.3

- Inserting PLC Modules (guided hands-on)

12:05 – 12:15

- Break

12:15 Session 4.4

- PLC Database File Editor (guided hands-on)

13:00

- End of Session 4

SESSION FIVE

09:30 Session 5.1

- Point-To-Point Wiring (guided hands-on)
- Symbol Creation (guided hands-on)

10:15 – 10:25

- Break

10:25 Session 5.2

- Symbol Creation (continuation)

11:10 – 11:20

- Break

11:20 Session 5.3

- Icon Menu Wizard (guided hands-on)

12:05 – 12:15

- Break

12:15 Session 5.4

- Title Block Setup (guided hands-on)

13:00

- End of Session 5

SESSION SIX

09:30 Session 6.1

- Catalogue Database (guided hands-on)

10:15 – 10:25

- Break

10:25 Session 6.2

- Schematic Reports (guided hands-on)
- Panel Reports (guided hands-on)

11:10 – 11:20

- Break

11:20 Session 6.3

- Automatic Report Generation (guided hands-on)

12:05 – 12:15

- Break

12:15 Session 6.4

- Project-Wide Update Tool (guided hands-on)

13:00

- End of Session 6

Forthcoming dates

Select a course and complete the [enquiry form](#) or contact us on [01992 807 444](tel:01992 807 444) or via [email](#) to speak to one of our training specialists who can answer any questions you may have and/or make a reservation on your selected course.

DATE	LOCATION	TRAINER	VERSION	STATUS	PER PERSON
8 Dec 2020	Online	Trainer TBC		Available	£885.00

All prices are per-person on a scheduled course and exclude VAT.

Please note that the course details above, may be subject to change at short notice.

DURATION

6 Sessions

COURSE CODE

AE-FUN-OL

COURSE COST

£885

Applies per person on an on-line scheduled course (excludes VAT)

Get in touch

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