

Technical Education Services

AutoCAD® Electrical Fundamentals



Course Length: 3 days

AutoCAD® Electrical Fundamentals – IEC (three days) covers the indispensable core topics for working with the AutoCAD Electrical software. In this training guide, students learn how to use many of the powerful electrical drawing creation tools in the software. Students 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, students are introduced to methods of customizing AutoCAD Electrical software symbols, circuits, and databases. Other topics covered include titleblock linking, reporting tools, templates, and project files.

The main topics covered in this training guide include:

- Understanding project files
- Creating and editing schematic and panel drawings
- Working with PLC symbols
- Creating custom symbols
- Generating reports

For the current course
schedule and to register
for this course:

Web: redstack.com.au

Phone: 1300 667 263

Prerequisites:

A working knowledge of the AutoCAD® software and electrical terminology.



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Day 1

Chapter 1: Introduction to AutoCAD Electrical

- What is AutoCAD Electrical?
- Drawing Files
- Electrical Components and Wires
- Design Methodologies

Chapter 2: Project Files

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- Opening a Drawing
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- Managing Drawings in Projects
- Project Manager Drawing List

Chapter 3: Schematics I - Single Wires/Components

- Referencing
- Ladders
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Chapter 4: Schematics II - Multiwire and Circuits

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Day 2

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- Copy Installation/Location Code Values
- Attribute Editing Commands

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Chapter 6: Panel Drawings

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- Spreadsheet to PLC I/O Utility

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Day 3

Chapter 10: Symbol Creation

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Appendix A: Skills Assessment

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For more information, contact us on 1300 667 263.