# AutoCAD Electrical Advanced Training Course

## Course Overview

**Course Length: 16-Hours**

- 16-Hours - 8 x 2-hour training sessions
- Remote training over MS Teams
- Sessions are recorded and download links for each session are provided for future use
- Training for up to 1-3 people
- Sessions can start within 7 days upon ordering
- Flexible sessions (i.e. consecutive or Monday, Wednesday, Friday, etc.)
- Courses are private and topics can be customised to suit
- Includes certificate of completion

This AutoCAD Electrical Advanced course is designed for experienced users who want to streamline electrical design workflows, standardise project setup, and customise the software for production environments. Through hands-on, practice-based exercises, you will learn how to manage multi-drawing projects, configure templates and standards, customise symbol libraries and catalogue data, work efficiently with PLC and terminal tools, produce coordinated schematic and panel documentation, and generate accurate project-wide reports for manufacturing and maintenance.

## Topics Covered

- Configuring advanced AutoCAD Electrical project environments
- Creating and managing drawing templates
- Working with AutoCAD Electrical libraries and catalogues
- Configuring PLC modules and automation workflows
- Managing wire numbering and tagging systems
- Creating automated reports and bill of materials
- Working with title blocks and project attributes
- Customising symbol libraries and project standards
- Managing project wide electrical settings
- Streamlining drafting automation workflows
- Improving electrical project consistency
- Creating reusable AutoCAD Electrical environments
- Improving productivity using advanced workflow automation
- Managing advanced electrical documentation standards

## Prerequisites

Participants attending this Autodesk AutoCAD Electrical Advanced Training course should have previous experience using Autodesk AutoCAD Electrical or completed introductory AutoCAD Electrical training.
Basic understanding of electrical drafting workflows, schematic design, and project setup is recommended. Access to Autodesk AutoCAD Electrical software and a stable internet connection is required for participating in AutoCAD Electrical Online Course sessions.

## Training Guide Contents

**Chapter 1: AutoCAD Electrical Project Setup**

- Project Configuration and Standards
- Project Properties and Environment Setup
- Creating and Managing Templates
- Folder Structures and Project Workflows

**Chapter 2: Libraries, Catalogues, and Components**

- Managing Symbol Libraries
- Custom Component Creation
- Catalogue Database Configuration
- Intelligent Component Management

**Chapter 3: PLC and Automation Workflows**

- PLC Module Configuration
- PLC I/O Drawing Workflows
- Wire Numbering and Component Tagging
- Cross Referencing and Signal Management

**Chapter 4: Reporting and Documentation**

- Automated Report Generation
- Bill of Materials Workflows
- Title Blocks and Attribute Management
- Project Documentation Standards

**Chapter 5: AutoCAD Electrical Customisation**

- User Environment Configuration
- Reusable Workflow Development
- Standards and Productivity Tools
- Workflow Automation Techniques