



AutoCAD Electrical 2010 Essentials Course Outline

Course Description: This course is designed to introduce a new user to the basics of AutoCAD Electrical. This class will cover Schematic Drafting & Editing Tools, Report Generation, Project Drawing Sets, Project-wide Wire Tagging, Using Spreadsheets for PLC I/O, Item Numbers, Balloons, BOM Reporting, and much more! Each student will leave this class with basic AutoCAD Electrical skills and problem-solving techniques.

It is recommended you have a background in electrical design and working knowledge of AutoCAD and Microsoft Windows 2000, Microsoft Windows XP, or Microsoft Windows Vista.

Topics:

1. Basic Workflow

Navigating the Interface
Basic Workflow

2. Project Basics

Project Manager
Project Drawing List
Moving Through Projects
Managing Projects

3. Schematic Wiring

Wires and Ladders
Point to Point Wiring
Wire numbers and Leaders
Source and Destination Signals

4. Schematic Components

Inserting Schematic Symbols
Inserting Schematic
Components from Lists
Connectors
Terminals, Multiple Level
Terminals, and Jumpers
Circuits
Multiple Phase Circuits

5. Schematic Editing

Basic Utilities
Copy Catalog and Location
Values
Swapping and Updating Blocks
Using the Auditing Tools
Update and Retag Drawings

6. Schematic Reports

Schematic Reports

7. Panel Layouts

Creating Panel Layouts
Using the DIN Rail Tool
Using the Terminal Strip Editor
Panel Layout Annotation and
Reports

8. Settings and Configurations

Creating Wire Types
Using Reference Files
Project Properties

9. Custom Components

Schematic Symbols
Icon Menu System
Panel Footprints

10. Custom data

Managing Part Catalog
Databases
Editing the Pin List Database
Updating the Title Block
Attributes

11. Automation tools

Updating Schematics from
Spreadsheets
Generating Automatic reports

12. Autodesk Vault Integration

Working with Autodesk Vault

13. PLC Modules

Using PLC I/O Modules
Using the PLC Database File
Editor
PLC I/O Address-Based Tagging
Using the Spreadsheet to PLC
I/O Utility

14. Advanced Tools

Adding Wire Data to Footprints
Managing Cables

Duration: 4 Days

Classroom Tuition:
\$1,100.00/student

Group rates are available

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