



AutoCAD Basic for Electrical Engineers

(Duration: 60 Hrs)

Course Curriculum

Chapter 1: Introduction to AutoCAD Electrical

- Introduction to AutoCAD Electrical & Interface
- Interface Components and Commands
- Workspace Settings
- Electrical Help
- Drawing Files
- Electrical Components and Wires
- Design Methodologies

Chapter 2: Project Files and Drawings

- Project Manager Interface
- Accessing Project Files
- Opening / Creating Drawing
- Add a Drawing to a Project File
- Managing Drawings in Projects
- Project Manager Drawing List

Chapter 3: Schematics I – Single Wires/Components

- Referencing
- Ladders
- Insert Wires
- Edit Wires
- Add Rungs
- Wire Setup
- Wire Numbers
- Source & Destination Signal Arrows
- Parent/Child Components

Chapter 4: Schematics II – Multiwire and Circuits

- Dashed Link Lines
- 3-Phase Ladders
- Multiple Wire Bus
- 3-Phase Components

- 3-Phase Wire Numbering
- Cable Markers
- Fan In/Out
- Insert Saved Circuits
- Copy / Move Circuit
- Circuit Builder

Chapter 5: Panel Drawings

- Insert Footprint
- Insert Component
- Edit Footprint
- Assign Item Numbers
- Add Balloons

Chapter 6: Wiring

- Insert Connectors
- Edit Connectors
- Insert Splices
- Insert Multiple Wires
- Bend Wires

Chapter 7: Symbol Creation

- Schematic Symbols
- Naming Convention
- Icon Menu Wizard
- AutoCAD Electrical Databases
- Project database
- Catalog Database
- Footprint Lookup Database
- PLC Database

Chapter 8: Settings and Templates

- Project Properties
- Drawing Properties
- Panel Drawing Configuration
- Template Files
- Sharing Symbol Libraries and Databases

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