

AutoCAD Electrical Syllabus

Total duration: 40 hours (Theory 20 Hours + Lab 20 Hours)

AutoCAD Electrical Total Duration : 40 Hours	
Sessions	Topics
Session 1	Introduction
	AutoCAD Electrical
	GUI
	Project
	Introduction to Project Manager
	Working with Projects
	Drawing
	Adding a Drawing
	Create a new Drawing
	Drawing Properties
	Insert a Component
Connecting a component	
Session 2	Create a Library Symbol
	Symbol Builder
	Circuit Builder
	Inserting a One-line Motor Circuit
	Inserting a Dual One-line Power Feed Circuit
Copy circuitry	
Session 3	Component Tools
	Inserting Components
	Relocating Components
	Inserting a Child Components
	Aligning and Editing the Components
Catalog Information	
Session 4	Component Attribute Tools
	Wires
	Wire layers, Wire types, Insert wire, Modify wire
Session 5	Signal Arrows
	Source arrow
	Destination arrow
	Ladder tools
	Wire numbers
	Automatic wire numbers
	Wire tagging
	PLC I/O wire numbers
Wire Number Edit	
Session 6	PLC
	Generate PLC Layout Modules
	PLC parametric selection
	Module layout
	Insert PLC modules
	Edit PLC module
PLC Database File	

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Sessions	Topics
Session 7	Point to Point Wiring Tools
	Introduction to Connector Diagrams
	Inserting Connectors
	Editing & Modifying Connectors
	Link components by dashed lines
	Grouping Wires
Session 8	Conversion tool
	Convert text
	Convert block
	Convert wires
	Convert arrows
	Special Explode
	Panel Layout
	Foot Prints
	Footprints from Schematic list
	Footprints from icon menu
	Din rails
	Balloons
	Wire Annotations
	Create Assembly
	Editing & Modifying Footprints
	Creating Own Footprint
	Terminals
	Placing a Terminal
	Terminal Editor
	Session 9
Missing Catalog	
Electrical Audit	
Signal Error/ List	
Drawing Audit	
Generate Reports	
Types of schematic reports	
Generate a schematic report	
Types of panel reports	
Generate a panel report	
Run automatic reports	
Automatic report generation	
Import/Export	
To Spreadsheet	
From Spreadsheet	
Session 10	Project