



## SolidWorks Electrical Schematic (formerly *SolidWorks Electrical 2D*)

Prerequisites	Length	Description
Electrical design experience and knowledge of the Windows operating system.	2 Days	This course teaches students how to use SolidWorks Electrical Schematics to optimize your drawings and designs for manufacturability so you can maximize quality, avoid rework and decrease time to market. This course is focused on 2D Schematic Design.

### Projects

- SolidWorks Electrical
- Stages in the Process
- Starting SOLIDWORKS Electrical
- What are Projects?
- Creating a New Project
- Project Overview
- Locations
- Zooming and Scrolling

### Mixed Scheme

- What is a Mixed scheme?
- Stages in the Process
- Existing and Archived Projects
- Line Diagram Symbols
- Adding Cables
- Drawing Tools

### Developing a Scheme

- What is a Schematic?
- Stages in the Process
- Draw Multiple Wires
- Schematic Symbols
- Manufacturers parts
- Symbol Properties
- Creating New Symbols

### Cabling

- What is Cabling?
- Stages in the Process
- Cables
- Detailed Cabling
- Adding Manufacturer Parts
- Terminal Strip
- Pin to Pin Connections
- Symbol association
- Copy and Paste

### Macros

- What are Macros?
- Stages in the Process
- Creating and Adding Macros
- Location Outlines

### Control Drawings

- What are Control Drawings?
- Stages in the Process
- Drawing Single Wires
- Inserting Single Terminals
- Using Functions
- Function Outlines

### Cross Referencing / Component Association

- Associating symbols to a component
- Stages in the Process
- Cross-referencing symbols
- The Cross Reference List

### Managing Origin-Destination Arrows

- What are Origin-Destination Arrows?
- Stages in the Process
- Replacing Wires
- Origin-Destination Arrows

### Programmable Logic Controllers

- What is a PLC?
- Stages in the Process
- Adding a New Scheme
- Adding a PLC Mark
- Inserting a PLC
- Exercise 9: Adding a PLC

### Final Drawings Changes

- Editing the PLC Drawing
- Stages in the Process
- Associate Cable Cores
- Adding a Part Manually
- Assigning a Part
- Wire Style Manager
- Numbering Wires
- Assigning Parts to Other Objects

### Reports

- What are Reports?
- Stages in the Process
- Report Manager
- Drawing Terminal Strips

