

SolidWorks Routing Course Information

This course explains how to create, edit and manage Piping Tubing and Electrical routes, from the critical routing components and their design requirements to the sub-assemblies that contain the routes.



Course Length: 3 ½ days

Hours: 8:30am – 4:30pm

Prerequisite:

•SolidWorks Essentials

Includes:

•Color Training Manual
•Completion Certificate

Course Contents:

•Fundamentals of Routing

- What is Routing?
- Types of Routes
- External vs. Virtual Files
- Routing Setup and Files Locations

•Basic Electrical Routing

- Adding Routing Components
- Start by Drag and Drop Connector
- Auto Route

•Routing with Clips

- Routing Through Existing Clips
- Adding Clips with Auto Routing
- Editing a Route
- Working with Clips Splitting a Route

•Routing Components

- Library Parts Introduction
- Component Wizard
- Electrical Libraries

•Standard Cables

- Using, Modifying and Creating

•Electrical Data Import and Drawings

- Importing Data and a Cable/Wire Library
- Component Library Wizard
- From/To Lists
- Route Properties and Guidelines
- Route Flattening and Detailing

•Electrical Ribbon Cables

- Components and Auto Routing
- Using Ribbon Cable Clips
- Flattening

•Electrical Conduits

- Rigid Conduit
- Electrical Data in Conduits
- Start Route and Add to Route

•Tubing Routes and Piping Routes

- Tubes and Tubing Components
- Making Tubes
- Export Pipe/Tube Data
- Tubing Drawings
- Pipes and Piping Components
- Routing Templates
- Creating a Piping Route
- Adding Alternate Elbows

•Piping and Tubing Changes

- Change Route Diameter
- Pipe Penetrations
- Flange to Flange Connections
- Copying and Editing

•Using P&ID Files

- Piping and Instrumentation
- Pipe with Multiple Lines

•Using SolidWorks Content

- Creating a Routing Settings File



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