

SolidWorks Routing, Electrical



Length: 1 day **Prerequisites:** SolidWorks Essentials

Description: Routing 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.



Lesson 1: Introduction

- ❖ What is Routing?
- ❖ Types of Routes
- ❖ File Naming in Routing
- ❖ Routing Setup

Lesson 2: Basic Electrical Routes

- ❖ Adding Routing Components
- ❖ Create Route by Drag and Drop Connector
- ❖ Route Properties
- ❖ Auto Route

Lesson 3: Routing With Clips

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

Lesson 4: Routing Components

- ❖ Routing Library Parts Introduction
- ❖ Routing Component Wizard
- ❖ Electrical Libraries

Lesson 5: Standard Cables

- ❖ Using Standard Cables
- ❖ Standard Cables Excel File
- ❖ Modifying Standard Cables
- ❖ Creating a Standard Cable

Lesson 6: Electrical Data Import

- ❖ Importing Data
- ❖ Component Library Wizard
- ❖ Importing a Cable/Wire Library
- ❖ From-To Lists
- ❖ Route Guidelines
- ❖ Using Guidelines and Clips

Lesson 7: Electrical Drawings

- ❖ Harness Flattening and Detailing
- ❖ Flatten Route
- ❖ Harnessboard Drawings

Lesson 8: Electrical Conduits

- ❖ Electrical Conduits
- ❖ Rigid Conduit
- ❖ Electrical Data in Conduits
- ❖ Start Route and Add to Route
- ❖ Circuit Summary
- ❖ Flexible Electrical Conduit