

SolidWorks Routing, Piping



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

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

Lesson 2: Tubing Routes

- ❖ Tubing Routes
- ❖ Routing Options for Tubing
- ❖ Route Properties
- ❖ 3D Sketch Route
- ❖ Orthogonal Auto Route
- ❖ Export Pipe/Tube Data
- ❖ Editing a Route

Lesson 3: Piping Routes

- ❖ Piping Routes
- ❖ Sketching a Route
- ❖ Angled 3D Sketch Route
- ❖ Using Standard Lengths
- ❖ Editing a Piping Route
- ❖ Remove Tube/Pipe
- ❖ Flange to Flange Connections

Appendix 4: Routing Library Parts

- ❖ Routing Library Parts
- ❖ Libraries
- ❖ SolidWorks Content
- ❖ Creating Routing Library Parts
- ❖ Fabricated Tube or Pipe Parts
- ❖ Elbow Parts
- ❖ Routing Functionality Points
- ❖ Fitting Parts
- ❖ Assembly Fittings
- ❖ Review of 3D Sketching