



Duration: 2 Days

Prerequisites:

- SolidWorks Essentials

Course Outline

Sheet Metal teaches you how to build sheet metal parts using SolidWorks mechanical design automation software. Building standalone sheet metal parts, and converting conventional parts to sheet metal, including in assembly context, are covered.

The main topics covered include:

Lesson 1: Sheet Metal Flange Method

- What are Sheet Metal Parts?
- Sheet Metal Methods
- Base Flange
- Flat Pattern
- Edge Flanges
- Editing Sheet Metal Settings
- Cuts in Sheet Metal
- Break Corner
- Sheet Metal Costing
- Sheet Metal Parts in Drawings

Lesson 2: Sheet Metal Convert Method

- Sheet Metal Conversion Topics
- Converting to Sheet Metal
- Imported Geometry to Sheet Metal
- Using the Rip Feature
- Adding Bends in Place of Sharp Corners
- Sheet Metal Features
- Making Changes
- Adding a Welded Corner

Lesson 3: Multibody Sheet Metal Parts

- Methods to Create Multibody Sheet Metal Parts
- Creating Multibodies by Sketching
- Miter Flange

Lesson 3 continued...

- The Cut List Folder
- Cuts using Multibodies
- Patterning Sheet Metal Bodies
- Sheet Metal Properties
- Multibody Drawings
- Using Mirror and Insert Part
- Interfering Bodies
- Exporting Sheet Metal Bodies
- Using Split

Lesson 4: Sheet Metal Forming Tools

- Modifying an Existing Forming Tool
- Creating a Custom Forming Tool

Lesson 5: Additional Sheet Metal Features and Techniques

- Swept Flange
- Using Symmetry
- Additional Modeling Techniques
- In-Context Methods
- Process Plans
- Set Origin/Destination of Cables
- Route Cables

Please do not hesitate to contact us for registration and further information

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