



Shounco Design Studios
Your Complete Engineering Resource Center

Sheet Metal

The goal of this course is to teach you how to build sheet metal parts using SolidWorks Mechanical design automation software.

The topics covered in this course are:

Lesson 1: Modeling Sheet Metal Parts

- Sheet Metal Methods
- Stages in the Process
- Sheet Metal Toolbar
- Designing with Sheet Metal Features
- Sheet Metal Features
- Miter Flanges
- Edge Flanges
- Bend Angles
- Adding a Tab
- Flat Pattern
- Cuts
- Sheet Metal Parts in Drawings

Lesson 2: Sheet Metal Forming Tools

- Sheet Metal Forming Tools

Lesson 3: Additional Sheet Metal Features

- Edge Flanges and Closed Corners
- Curved Edge Flanges
- Hems
- Designing in Flat
- Existing Rounds
- Using Symmetry
- Manual Relief Cut
- Break Corner
- Jog Feature
- Lofted Bends
- Bend Deviation

Lesson 4: Converting Parts to Sheet Metal



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- Sheet Metal Topics
- Convert to Sheet Metal
- Recognize Bends Method
- Opening IGES Files
- Using the Rip Feature
- Adding Bends in Place of Sharp Corners
- Making Changes
- Adding a Welded Corner
- Unrolling Cones and Cylinders
- Process Planes

Prerequisites: SolidWorks Essentials

Length: 1 Day

Cost: \$395