



MLC CAD Systems

## SolidWorks Sheet Metal 2010

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### Ft Worth, TX

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### Houston, TX

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### Huntsville, AL

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### Jackson, MS

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601-353-0337 Fax

### New Orleans, LA

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### Orlando, FL

866-966-1652 Toll Free  
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### Stillwater, OK

866-364-4652 Toll Free  
405-742-4653 Fax

**Length:** 1 day

**Prerequisites:** SolidWorks Essentials

**Description:** 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.

#### 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

Standard Tools  
Creating a Custom Forming Tool

#### 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

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

