



SYNERGIS
Engineering Design Solutions

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TRAINING LOCATIONS

Quakertown

18 South 5th Street
Quakertown, PA 18951

Manheim

ABC Keystone Chapter
135 Shellyland Road
Manheim, PA 17545

Philadelphia

1515 Market Street
Suite 1200
Philadelphia, Pa 19102



Autodesk Inventor: Sheet Metal Design

Course Description: Summary

This course focuses on basic sheet metal concepts and techniques. Building on these skills includes complex modeling practices to form sheet metal parts, assemblies, and drawings. The class will teach students how sheet metal parts are designed and used in industry, review various construction techniques, and learn how to master and automate sheet metal design tools and to document sheet metal designs.

Length:	2 days
Times:	8:30 AM - 4:30 PM

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Representative Topics

- Representative Topics
- Introduction to Sheet Metal Design
- Sheet Metal Styles
- Faces
- Contour Flanges
- Sheet Metal Operations
- Sheet Metal Punching
- Folding
- Creating Holes
- Work Features
- Mirror Features
- Sheet Metal Design Approaches
- Utilizing Legacy DXF/DWG Flat Layout Geometry
- Complex Sheet Metal Creation Techniques
- Using Flat Patterns
- DXF and DWG Export
- Creating Sheet Metal Drawings
- Notating Bends and Punches
- Sheet Metal Overview
- Sheet Metal Design Methods
- The Sheet Metal Environment
- Flanges
- Hems
- Cutting
- Corner Seams
- Bending
- Corner Rounds and Corner Chamfers
- Pattern Features
- Sheet Metal Design Techniques
- Skeletal Modeling Techniques
- Using Legacy 3D Geometry
- Punch Library Setup
- Flat Pattern Creation & Cleanup
- Documenting Sheet Metal Designs
- Sheet Metal Documentation

The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants. Cancellation/Rescheduling Fee of 25% of the Daily Rate per Student will be assessed for anyone canceling or rescheduling a Synergis Training Class without at least 14 days notice. If applicable, the Cancellation or Rescheduling Fee will be invoiced to you automatically. Classes are confirmed based on the number of students registered and therefore cancellations and rescheduling of classes may affect other customers. Please be sure that you can attend the class dates for which you are registering when you submit your order.