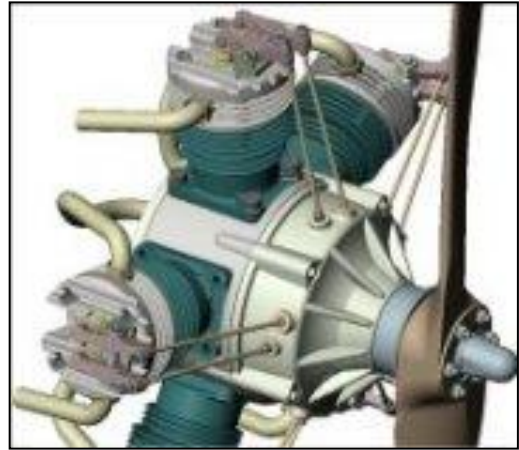


SolidWorks® Basic Training Program

Many companies are realizing that their current engineering tools (non parametric 2D CAD and analysis tools) are not adequate for today's fast paced world and often a limiting factor in their "first to market" efforts. The SolidWorks Basic Training Class provides an understanding of 3D parametric CAD and teaches the necessary skills to create part assemblies and drawings to obtain entry level employment where SolidWorks skills are required. You will explore setup configurations and learn to make SolidWorks



conform to a variety of standards. Learn to create and edit the most commonly used features and build assembly models that automatically place the Bill of Materials on your drawings, and discover how to generate detailed 2D drawings to make fabrication of parts easier and faster. You will also be introduced to advanced features such as sheet metal part design with machine shop flat pattern layouts and welded parts assemblies that automatically generate a materials cut list.
Instructor: Jennifer Ross.

- *Intro to SolidWorks*
- *User Interface – Setting up SolidWorks, Titleblocks*
- *Administering SolidWorks*
- *Basic Modeling, Sketching*
- *Casting, forging*
- *Thin wall parts*
- *Configuring parts*
- *Bottom up assembly design*

Who should attend:

Employees of manufacturing companies that design products, architects, industrial designers, mechanical engineers, drafters, machinists, and design consultants.

SolidWorks® Advanced Training

Weldments

- 3D sketching
- Applying structural members to sketches
- Creating new weldment profiles
- Using weldments for create aluminum extrusion assemblies
- Creating drawing with cultists

Sheet Metal

- Using sheet metal features like
 - Base flange
 - Edge Flanges
 - Hems
 - Miter flanges
- Lofted sheetmetal (ideal for ductwork)
- Using guage tables
- Creating 2D drawings of sheet metal parts including flat patterns

Lofts and Sweeps

- Creating profiles and guide curves
- Controlling models using guide curves

Mold design

- Draft analysis
- Undercut detection
- Applying draft
- Scaling parts to accommodate for part shrink
- Partlines
- Shut off surfaces
- Parting Surfaces
- Tooling Split
- Core

Surfacing

- Using lofts and sweeps to create parts
- Knitting surfaces
- Filling surfaces
- Trim/Extend surfaces
- Surface

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

To Register:

Call 937-6857 or Fax 937-6844

Questions about class:

Call Dana LaFever @ 937-6881

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

