



SolidWorks CAD Productivity Tools

Pre-Requisites:

- SolidWorks Essentials

Daily Schedule: Begin at 8:30 a.m., End at 4:30 p.m., 1 hour lunch

Length: 1 Day

Description: This course teaches students how to use three SolidWorks Office components: FeatureWorks, Utilities, and Toolbox. With FeatureWorks, students learn how imported geometry can be recognized and how to map these features to a SolidWorks part.

With SolidWorks Utilities, students see how they can compare models, generate reports, and use power tools like feature paint and power select. Students learn how they can use Toolbox to quickly and easily add hardware to their assemblies. They also learn how to add parts to the Toolbox browser, create derived standards, and use the bearing calculator.

This course is taught from the official course curriculum from SolidWorks Corporation, with additional information from Graphics Systems instructors.

Introduction

- What is the FeatureWorks® software?
- What is the Toolbox® software?
- What is the SolidWorks® Utilities software?
- Starting FeatureWorks, Toolbox and Utilities
- Getting Help

Lesson 2: Using FeatureWorks

- Stages in the Process
- Importing the Geometry
- Automatic Feature Recognition
- The FeatureWorks Process
- Interactive Feature Recognition
- Recognized Features Manager
- Editing the Recognized Features
- Volume Features

Lesson 3: Using SolidWorks® Utilities

- SolidWorks® Utilities Tools
- Compare Features
- Report Manager
- Compare Geometry
- Geometry Analysis
- Find, Modify, Suppress and Simplify
- Modify
- Simplify
- Power Select
- Symmetry Check
- Feature Paint

Lesson 4: Using SolidWorks Toolbox®

- Tools
- Toolbox Browser
- Add to Library
- 3D Content Central®
- Structural Steel
- Beam Calculator
- Grooves
- Bearing Calculator
- Cams

