SolidWorks 2000 CreoScitex Training

Level 1

Audience: Casual SolidWorks users.

The Level 1 training is seen as the first step for a CreoScitex designer, detailer or buyer to gain competency in SolidWorks.

Prerequisites:

Completion of the SolidWorks tutorials. A desire to become proficient in SolidWorks.

Course Objectives:

By the end of the Level 1 two day course, the student will be able to:

- Look for basic 3D shapes for part features.
- Select the correct (top) work plane.
- Sketch a base feature.
- Fully Constrain a sketch.
- Check a sketch for proper constraints.
- Use a Boss Extrude
- Use Boss Cut
- Work with Views
- View/Orbit the part.
- Use Fillets, Chamfers and Holes.
- Understand and use CreoScitex Part Naming conventions.
- Use Text and Dimensions.
- Understand and use Max-Min settings for dimensioning arc or circular features.
- Open, Edit, savecopy and saveas a part file.
- Create a "stable" constrained part.
- Use Pallet Parts and Features
- Create a Revolved part.
- Use the Hole Wizard.
- Understand the importance of "Design Intent".
- Use symmetry for mirrored features:
    - in a sketch, feature, part
- Understand the appropriate use of color for parts (and sometimes faces).
- Drag and drop a part or subassembly into an assembly.
- Work with fixed and floating parts.
- Create an assembly of mated parts.
- Design a new part in an assembly (in context design).
- Export, break and repair in context parts.
- Check part assemblies for interference
- Use the measure tool.
- Use the scan evaluation tool to find relationships
- Inserting Model Items into Drawings

SolidWorks 2000 CreoScitex Training

Level 2

Audience: Proficient SolidWorks users

Level 2 training is for the average SolidWorks user looking to become proficient in the details of SolidWorks design, documenting and file management techniques.

Prerequisites: 1) Completion of Level 1 training and several (full) days of SolidWorks usage OR 2) equivalent experience using SolidWorks on the job at Creo

Course Objectives

By the end of the Level 2 two day course, the student will be able to:

- Work within the CreoScitex drafting standards.
- Use the CreoScitex title blocks and note blocks.
- Manage part and assembly files.
- Use configurations for motion – e.g. and extended cylinder and retracted cylinder with resulting motion.
- Create a "simplified" configuration of a part, subassembly & assembly
- Install/use the pallet parts and part libraries
- Add features to the "common" feature pallet.
- Create complete notes on the Model for CNC.
- Use weld symbols
- Create tolerance parts - GD&T
- Work with SolidWorks explorer to:
    - Preview parts and assemblies
    - Edit parts, sub assemblies or assemblies
    - Change parts in an assembly – Replace, Rename, Copy
    - Edit configurations
    - Show references
    - Where used.
- Understand the revision process.
- Redefine Views
- Correct common constraint errors.
- Set Detailing Drawing Options
- Use CreoScitex standard Text and Dimensions.
- Use Text and Dimension style overrides.
- Create a standard 3view drawing from part or Assemblies.
- Create part Balloons
- Create a Bill of Materials (suitable for use in SAP)
- Create a Sheet metal part including:
    - Bending Reliefs
    - Standard "pen nut" features.
    - Thin features.
    - "Rollback-check"
- Work with advanced hole wizard options.
- Use the feature history tree to make appropriate part changes.
- Import Export File formats (IGES, Unigraphics, DXF)
- Use rib features.
- Use parting (split part).
- Use draft.