

Solid Edge Starter Training

COURSE OUTLINE

The two-day starter Solid Edge class provides an extensive overview of the part, sheet metal, assembly and detailing modules of Solid Edge. No prior experience is required, however students will find the class time more productive if they first complete several of the tutorials included with Solid Edge. The goal of the class is to gain an understanding of the software through the completion of exercises with an emphasis placed on integrating design intent into the models and assemblies. An introduction to the concept of Synchronous Technology's History-Free modeling and editing will also be covered.

FEATURE BASED & HISTORY-FREE

MODELING

- Module overview
- Parasolid overview
- Modeling for intent
- Using the help command

MODELING BASICS

- Ribbon bars
- Profile mode
- Drawing tools
- Geometric relationships
- Profile dimensions
- Extents
- Reference planes – global and local
- Hole command – standard hole setup

PATTERNS

- Rectangular
- Circular
- Mirrored features

ROBUST MODELING

- More geometric relationships
- Modeling methodology

DETAILING

- Sheet setup
- Section views and detail views

- View customization
- Parts list
- Dimensions
- Drawing styles
- Editing the model from the detail sheet

SHEET METAL

- Flange command
- Miters
- Contour Flange Command
- Material inside-outside
- conditions
- Corner-bend relief
- Close Corner
- Normal cutouts
- Unbend-Rebend
- Save as flat

ASSEMBLY

- Mates, planar Align, axial align
- Create parts in place
- Pattern parts
- Capture fit
- Edit parts in the context of the assembly
- Configurations
- Part color changes
- Texture mapping

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