



SOLIDWORKS | CAM STANDARD

The SOLIDWORKS CAM Standard training is a three-day training that teaches how to use the SOLIDWORKS CAM Standard software to generate, modify and post process 2.5 axis milling toolpaths used for the machining of SOLIDWORKS part files. The course consists of the following sections:

SOLIDWORKS CAM BASICS & USER INTERFACE

- What is SOLIDWORKS CAM?
- User Interface and Process Overview
- Case Study: Generate Toolpaths and NC Code
- Exercise 1

AUTOMATIC FEATURE RECOGNITION & OPERATIONS

- Working with Features, Operations and Toolpaths
- Case Study: Working with Features, Operations and Toolpaths
- Exercise 2

INTERACTIVE FEATURE RECOGNITION

- Interactive Feature Creation
- Case Study: AFR and IFR Feature Creation
- Case Study: IFR 2.5 Axis Feature and Operations
- Case Study: IFR 2.5 Axis Feature Selections
- Exercise 3

INTERACTIVE OPERATIONS

- Interactive 2.5 Axis Mill Operations
- Case Study: Interactive Operation Creation
- Case Study: Create Operations
- Save Operation Plan
- Machining Similar Features
- Case Study: Combine Operations
- Adding Avoid and Contain Areas
- Exercises 4-6

PATTERN FEATURES

- Patterning
- Case Study: Create Linear, Circular and Sketch Driven Patterns
- Exercise 7

ADVANCED FEATURES AND OPERATIONS

- Advanced Feature Creation
- Case Study: Engrave Feature Creation
- Case Study: Multi-stepped Hole Machining
- Case Study: Corner Round and Chamfer Machining
- Case Study: User Defined Tool Creation
- Case Study: Multi Surface Feature Creation
- Exercises 8-10

CUSTOMIZING THE TECHNOLOGY DATABASE

- SOLIDWORKS CAM Technology Database
- Case Study: TechDB Add Machine
- Case Study: TechDB Add Tool
- Case Study: TechDB Create and Apply Strategy
- Exercise 11

APPENDIX

- Considerations for Waterjet, Plasma and Laser Machining
- Tolerance Based Machining

FORMAT

Classes are scheduled at a GoEngineer training facility and taught by certified SOLIDWORKS instructors. Training manuals will be provided to you on the first day of class. This training may also be taught as a custom class at your location for an additional cost.

PREREQUISITES

Experience with the SOLIDWORKS design software.

QUESTIONS?

Please contact your account manager
or email: training@goengineer.com

CUSTOM TRAINING

We also offer specialized and on-site
training option