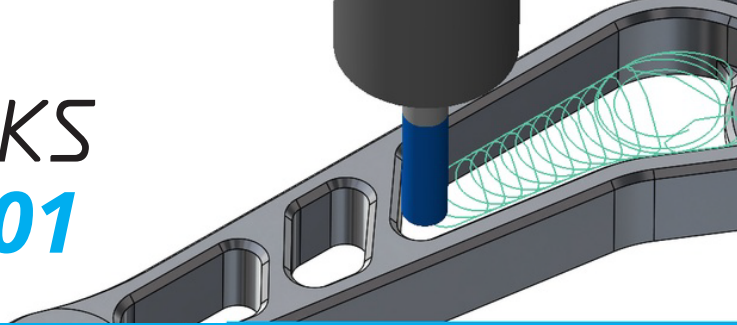# SOLIDWORKS
CAM STANDARD 301

ACADEMIC

GoEngineer is pleased to offer curriculum for Classroom and Online Courses

SOLIDWORKS CAM STANDARD 300
ONLINE VIDEO TUTORIALS, CASE STUDIES, EXERCISES, QUIZZES, AND WEEKLY OFFICE HOUR

Topics Covered in this course

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

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

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

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

AUTOMATIC FEATURE RECOGNITION & OPERATION
- Working with Features, Operations, and Toolpaths
- Case Study: Working with Features, Operations, Toolpaths
- Exercise 2

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

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

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

FACULTY WILL PROVIDE:
Unique course registration code, faculty office hours, SOLIDWORKS Student Premium (formerly SEK) software download and activation, CSWP certification exam vouchers, additional course content, and student course grade evaluation.

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