



SOLIDWORKS CAM STANDARD

PREREQUISITES	LENGTH	DESCRIPTION
<ul style="list-style-type: none"> Experience with the SolidWorks design software and Windows operating system. 	2 Days	<ul style="list-style-type: none"> This course introduces fundamentals and best practices in SOLIDWORKS CAM. The goal is to build on the current knowledge of designers or engineers in generating, modifying and post process 2.5 axis milling tool paths used for machining parts.
<p>► SOLIDWORKS CAM USER INTERFACE</p>		<p>► PATTERN FEATURES</p>
<ul style="list-style-type: none"> SolidWorks CAM User Interface Process Overview Case Study: Generate Tool paths and NC Code Exercise 1 - Generate Tool paths and NC Code 		<ul style="list-style-type: none"> Patterning Case Study: Create Linear, Circular and Sketch Driven Patterns Exercise 7 - Generate and Modify Tool paths
<p>► AUTOMATIC FEATURE RECOGNITION & OPERATION MODIFICATION</p>		<p>► INTERACTIVE OPERATIONS</p>
<ul style="list-style-type: none"> Working with Features, Operations and Tool paths Case Study: Working with Features, Operations and Tool paths Exercise 2 - Generate and Modify Tool paths 		<ul style="list-style-type: none"> Interactive 2.5 Axis Mill Operations Case Study: Interactive Operation Creation Case Study: Create Operations Save Operation Plan Case Study: Save Operation Plan Machining Similar Features Case Study: Combine Operations Adding Avoid and Contain Areas Case Study: Add Avoid Area Exercise 4 - Interactive Operations Exercise 5 - Link Operations Exercise 6 - Avoid Areas
<p>► INTERACTIVE FEATURE RECOGNITION (IFR)</p>		<p>► CUSTOMIZING THE TECHNOLOGY DATABASE</p>
<ul style="list-style-type: none"> Interactive Feature Creation Case Study: AFR and IFR Feature Creation Case Study: IFR 2.5 Axis Feature and Operation Creation Case Study: IFR 2.5 Axis Feature Selection Filters Exercise 3 - Interactive Feature Creation 		<ul style="list-style-type: none"> SolidWorks CAM Technology Database (TechDB) Case Study: Tech DB Add Machine Case Study: Tech DB Add Tool Case Study: Tech DB Create and Apply Strategy Exercise 11 - Customize Technology Database Exercise 12 - Add Tool to Tool Crib
<p>► ADVANCED FEATURES AND OPERATIONS</p>		
<ul style="list-style-type: none"> Advanced Feature Creation Case Study: Engrave Feature Creation Case Study: Multi-Stepped Hole Machining Case Study: Corner Round and Chamfer Machining Case Study: Multi Surface Feature Creation Exercise 8 -Advanced Features and Operations Exercise 9 - Multi Surface Machining Exercise 10 - User defined Tool 		