SolidWorks Surface Modeling

Prerequisites	Length	Description
SolidWorks Essentials, Advanced Part Modeling or equivalent experience.	2 Days	Surface Modeling teaches students how to build freeform shapes, surface / solid hybrid modeling techniques and repairing imported geometry using SolidWorks mechanical design automation software.

Understanding Surfaces
- Solids & Surfaces – What's the difference
- Working with Surface Bodies
- Why Use Surfaces?
- Continuity Explained

Introduction to Surfacing
- Workflow with Surfaces
- Basic Surfacing

Solid Surface Hybrid Modeling
- Hybrid Modeling
- Using Surfaces to Modify Solids
- Interchanging Between Solids & Surfaces
- Surfaces as Construction Geometry
- Making Copies of Faces
- Performance Implications

Repairing & Editing Imported Geometry
- Importing Data Methodology and Recommendations
- Repairing & Editing Imported Geometry

Advanced Surface Modeling
- Rules Surfaces
- Lofting Surfaces
- Filled Surfaces
- Handling Design Changes

Blends & Patches
- Complex Blends
- Smoothing Patches
- Boundary Surface
- Freeform Feature
- Corner Blends

Master Model Techniques
- Working with a Solid Master Model
- SolidWorks Explorer

Did You Know?
- CAD MicroSolutions keeps class sizes small (8 or less) to ensure that each student receives personal attention.
- A professionally catered lunch is provided each day.
- Our instructors have the highest level of certifications attainable.
- Our professional training facility is outfitted with optimized Dell and Boxx Workstations with 3DConnexion 3D Controllers.
- All attendees that successfully complete the course receive an official course certificate from *Dassault Systemes SolidWorks Corporation* recognizing their achievement.

The CAD MicroSolutions Difference:
Certified Training That Delivers Peak Performance

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