



MLC CAD Systems

## SolidWorks Advanced Surface Modeling 2010

### Atlanta, GA

866-964-2652 Toll Free  
770-963-7056 Fax

### Austin, TX

800-364-1652 Toll Free  
512-288-8512 Fax

### Birmingham, AL

866-461-1652 Toll Free  
866-461-0652 Fax

### Dallas, TX

866-365-1652 Toll Free  
972-550-1653 Fax

### Ft Worth, TX

866-365-1652 Toll Free  
972-550-1653 Fax

### Houston, TX

866-464-1652 Toll Free  
713-682-7541 Fax

### Huntsville, AL

866-461-1652 Toll Free  
866-461-0652 Fax

### Jackson, MS

866-601-2652 Toll Free  
601-353-0337 Fax

### New Orleans, LA

866-364-2652 Toll Free  
504-525-1651 Fax

### Orlando, FL

866-966-1652 Toll Free  
866-966-1651 Fax

### Stillwater, OK

866-364-4652 Toll Free  
405-742-4653 Fax

**Length:** 1.5 days

**Prerequisites:** SolidWorks Essentials, Advanced Part Modeling

**Description:** Advanced Surface Modeling teaches you how to build freeform shapes using SolidWorks mechanical design automation software.

#### **Lesson 1: Understanding Surfaces**

Solids and Surfaces  
Working with Surface Bodies  
Why Use Surfaces?  
Continuity Explained  
Workflow with Surfaces

#### **Lesson 2: Introduction to Surfacing**

Similarities Between Solid and Surface Modeling  
Basic Surfacing

#### **Lesson 3: Solid-Surface Hybrid Modeling**

Hybrid Modeling  
Using Surfaces to Modify Solids  
Interchanging Between Solids and Surfaces  
Performance Implications  
Surfaces as Construction Geometry  
Making Copies of Faces

#### **Lesson 4: Repairing and Editing Imported Geometry**

Importing Data  
Repairing and Editing Imported Geometry

#### **Lesson 5: Advanced Surface Modeling**

Stages in the Process  
Ruled Surfaces  
Lofting Surfaces  
Modeling the Lower Half  
Conclusion  
Design Changes

#### **Lesson 6: Blends and Patches**

Complex Blends  
Smoothing Patches  
Freeform Feature  
Corner Blends

#### **Lesson 7: Master Model Techniques**

Introduction to Master Models  
Surface Master Model Technique  
Working with a Solid Master Model  
SolidWorks Explorer

