



SOLIDWORKS ADVANCED PART MODELING

PREREQUISITES	LENGTH	DESCRIPTION
<ul style="list-style-type: none"> ■ SolidWorks Essentials or equivalent experience. <p>► MULTI BODYSOLIDS</p> <ul style="list-style-type: none"> ■ Multibody Solids and Solid Bodies ■ Local Operations ■ Extrude From ■ Patterning ■ Combined, Common Bodies ■ Move/Copy Bodies ■ Tool Body ■ Insert Part, Insert into New Part ■ Mate Reference ■ Indent Feature ■ Feature Scope ■ Using Cut to Create Multibodies ■ Splitting a Part into Multibodies ■ Using Split Part with Legacy Data ■ Saving Solid Bodies as Parts & Assemblies <p>► LOFT & SPLINES</p> <ul style="list-style-type: none"> ■ Basic Lofting, Advanced Lofting ■ Sketch Picture, Layout Sketches ■ Using Derived & Copied Sketches ■ Spline Sketching ■ Split Entities ■ Boundary Feature ■ Centerline Lofting ■ Cleaning Up a Model ■ Delete Face Deviation Analysis 	<p>3 Days</p>	<ul style="list-style-type: none"> ■ SolidWorks Advanced Part Modeling teaches students how to use multibody solids, sweeping and lofting features and the more advanced shaping capabilities of SolidWorks <p>► SWEEPS</p> <ul style="list-style-type: none"> ■ Sweeping and Lofting: What's the Difference ■ Sweep Options ■ Orientation and Twist Control, Align with End Faces ■ Selecting Edges, Select Loop, Selection Manager ■ Split Lines, Fit Spline ■ Curves: Helix, Spiral, Projected, Composite, Intersection Curve, and through a set of points ■ Sweeping Along Model Edges ■ Sweeping Along a 3D Path ■ Sweeping a Tool Body ■ Analyzing Geometry, Display Curvature, Curvature Combs, Zebra Stripes ■ Performance Considerations ■ Modeling Threads <p>► OTHER ADVANCED TOOLS</p> <ul style="list-style-type: none"> ■ Advanced Fillets ■ Wrap Feature ■ Equation Driven Curves ■ Deform Feature ■ Knit Surface ■ Move Face and Delete Face ■ 3D Sketching ■ Using 3D Sketch with the Hole Wizard