

SOLIDWOKS Essential Course Track



Titles	Details	Duration	Titles
SolidWorks Essential Training		20 Hour	
SolidWorks Basic Modeling	Divided into two sections (3D-Modeling and Assembly)		
3D-Modeling	<p>2D-Sketches:</p> <p>Simple orders (Line – circle – Rectangle – Straight Slot, etc...).</p> <p>Advanced Order (Trim entities – Convert entities – Pattern, etc...).</p> <p>Sketched on Faces.</p> <p>Smart Dimensions, Relations.</p> <p>3D-Features:</p> <p>Extruded Boss/Base and Extruded Cut Boss/Base.</p> <p>Revolved Boss/Base and Extruded Cut Boss/Base.</p> <p>Swept Boss/Base and Extruded Cut Boss/Base.</p> <p>Lofted Boss/Base and Extruded Cut Boss/Base.</p> <p>Hole Wizard – Thread – Advanced Hole.</p> <p>Modification on 3D-Features:</p> <p>3D Fillet and 3D Chamfer & 3D Patterns.</p> <p>Rib – Draft – Mirror – shell – etc...</p> <p>References Geometry and Curves.</p>		
Assembly	<p>Insert parts Ways.</p> <p>Standard Mates (Coincident – Parallel, etc...).</p> <p>Advanced Mates (Width – Path Mate, etc...).</p> <p>Mechanical Mates (Gears – Cam, etc...).</p> <p>Toolbox & Smart Fasteners</p> <p>Collusion Detections – Interferences Detections.</p> <p>Sensors – Assign Materials – Mass Properties.</p>		
Drawing Tools		4 Hour	
Drawing Sheet Setting	Standard Sizes – Scale - Create Templets.		
View Layout	<p>Basic View Creation</p> <p>Section Views</p> <p>Auxiliary Views</p> <p>Alternate Position Views</p> <p>Break View</p> <p>Broken-out Section</p>		

Titles	Details	Duration	Titles
	Crop view		
Annotation	Smart Dimensions		
	Importing Model Items		
	Create notes		
	Balloons		
	Symbols		
	Hole Callout		
	Center Mark		
	Centerlines		
	Create Tables (General - BOM – Holes).		