

SOLIDWORKS TESTING SYLLABUS

Interface & System Setup

- SolidWorks UI
- Command Manager
- Feature Tree
- View Controls
- Document Properties
- Units & Templates

Sketching (FOUNDATION 🔥)

- Sketch Plane Selection
- Line, Rectangle, Circle, Arc
- Sketch Relations
- Dimensions (Smart Dimension)
- Fully Defined Sketch
- Sketch Patterns & Mirror

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Part Modeling – Basic Features

- Extrude Boss/Base
- Extrude Cut
- Revolved Boss/Base
- Revolved Cut
- Fillet
- Chamfer
- Shell
- Draft

Advanced Part Modeling

- Sweep
- Loft
- Boundary Features
- Rib
- Dome
- Flex
- Variable Fillet
- Multi-Body Parts

SOLIDWORKS TESTING SYLLABUS

Design Intent & Parametric Control

- Design Intent Concepts
- Feature Order
- Parent–Child Relationship
- Equations
- Global Variables

Assembly Modeling (CORE 🔥)

- Creating Assemblies
- Mates (Standard & Advanced)
- Sub-Assemblies
- Exploded View
- Interference Detection
- Assembly Patterns

Assembly Analysis

- Collision Detection
- Interference Check
- Mass Properties
- Center of Gravity
- Assembly Motion Basics