

SolidWorks Advanced Assembly Modeling

Length: 1 Day

Pre-requisites: SolidWorks Essentials

COURSE CONTENT

LESSON 1: TOP-DOWN ASSEMBLY MODELING

- Top-Down Assembly Modeling
- In-Context Features
- Building In-context Parts
- Building Parts in an Assembly
- Smart Fasteners
- Fastening Features
- In-Context Fastening Features

LESSON 2: ADVANCED MATE TECHNIQUES

- Advanced Mates
- Adding Mate References
- Design Library Parts
- Smart Components
- Advanced Mate Types

LESSON 3: MANUAL ASSEMBLY

- Manual Assembly Configurations
- Configurations of Assemblies
- Component Patterns

LESSON 4: ASSEMBLY DESIGN TABLES AND DISPLAY STATES

- Design Tables
- Display States

LESSON 5: ASSEMBLY EDITING

- Assembly Editing
- Replacing and Modifying Components
- Troubleshooting an Assembly
- MateXpert
- Replacing Components Using Save As
- Controlling Dimensions in an Assembly
- Mirroring Components

LESSON 6: LARGE ASSEMBLIES

- Large Assemblies
- Designing with Sub-assemblies
- Modifying the Structure of an Assembly
- Large Assembly Mode
- Taking Advantage of Configurations
- Advanced Selection Techniques
- Renaming Components