SOLIDWORKS WELDMENTS

Length: 1 Day

Prerequisites: The SOLIDWORKS Essentials course completion and experience with the Windows™ operating system.

Description: The SOLIDWORKS Weldments course teaches how to create welded structures with standard structural members. Weld beads are also covered.

Course Agenda:

Lesson 1: Weldment Features
- Weldments
- Structural Members
- Groups vs. Structural Members
- Adding Plates and Holes
- Gussets and End Caps
- Using Symmetry
- Advantages of a Multibody Part
- Limitations of a Multibody Part

Lesson 2: Working with Weldments
- Managing the Cut List
- Cut List Item Names
- Accessing Properties
- Cut List Properties Dialog
- Structural Member Properties
- Adding Cut List Properties
- Bounding Boxes in Weldments
- Options for Generating Cut List Items
- Custom Structural Member Profiles
- Defining Material
- Creating Custom Profiles
- Standard or Configured Profiles
- Insert Existing Parts
- When to Use an Assembly

Lesson 3: Configuring and Detailing Weldments
- Weldment Configurations
- Post-Assembly Machining Features
- Weldment Drawings
- Drawing Views of Individual Bodies
- Representing Welds

Lesson 4: Working with Bent Structural Members
- Working with Bent Structural Members
- 3D Sketching

Lesson 5: Introduction to Structure system
- Structure System
- Primary vs Secondary Members
- Secondary Members