



Date 10/16/23

Rev. #1

SolidWorks Essentials

4 Days, 8 Hours/Day – Optimum Class Size: 8-10 Participants

Training Description

SolidWorks Essentials is a comprehensive, four-day training course designed to help users become proficient with the design and analysis tools in SolidWorks. Whether you are a new CAD user, experienced with another CAD system, or a long-time SolidWorks user, students will learn how to design and analyze parts, assemblies, and drawings using SolidWorks. Participants will receive a practical introduction to the SolidWorks software, covering topics such as the user interface, sketching, modeling, assemblies, drawings, and more. Participants will learn how to apply best practices to designs, such as top-down design, to increase efficiency and accuracy. This course can be delivered Onsite or Virtually and is intended for Engineers, and anyone that is interested in 3D modeling for additive manufacturing.

Training Objective

The course provides a practical introduction to the software, covering topics such as the user interface, sketching, modeling, assemblies, drawings, and more. By the end of the SolidWorks training course, users will have a thorough understanding of the SolidWorks software and be capable of creating complex designs with confidence.

Skill Attainment

This training course will cover:

- Parametric sketches
- Parts and build assemblies
- Versions of parts with configurations
- Design modification automation with equations and excel design tables
- Design drawings

Agenda

Day 1 & 2

- SolidWorks Basics and the user Interface
- Introduction to Sketching
- Basic Part Modeling
- Symmetry and Draft
- Patterning
- Revolved Features

Day 3 & 4

- Shelling and Ribs
- Editing: Repairs
- Editing: Design Changes
- Configuration
- Using Drawings
- Bottom-Up Assembly Modeling
- Using Assemblies