

Certified SolidWorks Training Courses:



SolidWorks Essentials (4 days)

SolidWorks Essentials teaches you how to use the SolidWorks mechanical design automation software to build parametric models of parts and assemblies, and how to make drawings of those parts and assemblies.

SolidWorks Advanced Part Modeling (1 day)

Advanced Part Modeling teaches you how to use multibody solids, sweeping and lofting features, and the more advanced shaping capabilities of SolidWorks.

SolidWorks Assembly Modeling (2 days)

Assembly Modeling teaches you how to maximize your use of the assembly modeling capabilities of SolidWorks mechanical design automation software.

SolidWorks Drawings (1 day)

SolidWorks Drawings teaches you how to make 2D drawings of parts and assemblies. This course covers advanced topics in drawings to help you be productive in creating 2D drawings.

SolidWorks Surface Modeling (2 days)

Surface Modeling teaches you how to build freeform shapes using SolidWorks mechanical design automation software. Learn how to work with complex surfaces with easy to use tools for your freeform design needs.

Mold Design using SolidWorks (2 days)

Mold Design Using SolidWorks teaches you several manual mold creation techniques and how to use the Mold Tools in SolidWorks mechanical design automation software.

SolidWorks Routing - Electrical (2 days)

Routing - Electrical explains how to create, edit and manage Electrical routes, from the critical routing components and their design requirements to the sub-assemblies that contain the routes.

SolidWorks Routing - Piping & Tubing (2 days)

Routing - Piping and Tubing explains how to create, edit and manage Piping and Tubing routes, from the critical routing components and their design requirements to the sub-assemblies that contain the routes.

Presentation Tools with SolidWorks (2 days)

Presentation Tools with SolidWorks is a course specially developed by 3D ClassWorks. Learn how to reuse your 3D CAD files and turn them into compelling presentation aids. You will have hands-on practice in creation of photorealistic rendered images in PhotoView 360, and animations in SolidWorks MotionManager.

DraftSight Essentials (1 day)

DraftSight Essentials teaches 2D CAD skills in DraftSight software. Learn how to create and modify your DWG/DXF files.

Certified SolidWorks Simulation Courses:



SolidWorks Simulation (3 days)

This course is designed to make SolidWorks users productive more quickly with the SolidWorks Simulation Bundle. This course will provide an in-depth coverage on the basics of Finite Element Analysis (FEA), covering the entire analysis process from meshing to evaluation of results for parts and assemblies. The class discusses linear stress analysis, gap/contact analysis, and best practices. .

SolidWorks Simulation Professional (1 day)

This course is designed to make SolidWorks Simulation users productive with the SolidWorks Simulation Professional extension. This 1 day course will provide an in-depth coverage on the advanced topics in Finite Element Analysis (FEA) including heat transfer analysis, frequency analysis, fatigue, stability analysis based on the linear buckling concepts, 2D simulations (plane stress, strain and axis-symmetry) and pressure vessel modulus. Example of parts and assemblies including those with various gap contact conditions are reviewed.

SolidWorks Simulation & Simulation Professional Bundle (4 days)

SolidWorks Simulation Premium – Nonlinear (2 days)

This class will raise your SolidWorks Simulation FEA skills to the next level! It offers hands-on experience on the use of SolidWorks Simulation Premium nonlinear module. The 2-day course provides an overview on a wide range of nonlinear structural/mechanical analysis topics. You will learn how to deal with models that exhibit large displacements and/or yielding, discuss and practice the use of many material models available in SolidWorks Simulation and, most importantly, how to drive a non-linear analysis to successful completion.

SolidWorks Simulation Premium – Dynamics (2 days)

This course is targeted for the users who would like to become productive in analyzing structures subjected to various types of dynamic loading. The material covered includes the time dependent analysis(force loads as well as motion shock loading examples), harmonic analysis and random vibration analysis (MILS-STD-810F example is included), response spectrum analysis, and introduction to nonlinear dynamics simulation..

SolidWorks Simulation Premium – Nonlinear & Dynamics Bundle (4 days)

SolidWorks Flow Simulation (2 days)

This course is designed for users who would like to become productive faster, this introductory course offers hands-on training on the use of SolidWorks Flow Simulation. The two-day training program provides an indepth session on the basics of fluid flow analysis, in addition to covering meshing concerns, modeling concerns, analysis, post-processing, available options and preferences.

SolidWorks Motion (2 days)

This course is designed for users who would like to become productive quickly in using SolidWorks Motion. This 2 day course will teach you how to use the SolidWorks Motion simulation package to study the kinematics and dynamic behavior of your SolidWorks assembly models.

Call us at [6776-1336](tel:6776-1336) or email us at training@3dclassworks.com to book your training today!

