

TRAINING COURSE DESCRIPTIONS



COURSE		DESCRIPTION	FULL DAY	HALF DAY	
SOLIDWORKS	Core	SOLIDWORKS Essentials	Learn both SOLIDWORKS foundational skills and time saving tips in how to build parametric parts, assemblies, and their associative drawings.	4 Days	6 Sessions
		SOLIDWORKS Drawings	The SOLIDWORKS Drawings course focuses in-depth on creating and managing complex drawings of SOLIDWORKS models (parts and assemblies) using the ANSI standards.	3 Days	5 Sessions
		SOLIDWORKS Assembly Modeling	Building on the SOLIDWORKS Essentials Course, learn valuable time saving assembly modeling techniques and power user tips to maximize the performance of larger assemblies.	3 Days	5 Sessions
		SOLIDWORKS Advanced Part Modeling	Building on the SOLIDWORKS Essentials Course, discover the power of curves, sweeps, lofts, and multi-body part modeling.	3 Days	5 Sessions
		SOLIDWORKS Surface Modeling	Master your SOLIDWORKS Part Modeling capabilities by learning how to create and control elegant freeform shapes and repair damaged imports through surfacemodeling techniques.	2 Days	4 Sessions
		SOLIDWORKS Mold Design	Learn a variety of manual mold creation techniques and how to use the mold tools in SOLIDWORKS.	3 Days	5 Sessions
		SOLIDWORKS Weldments	Steel, Aluminum, Lumber? Learn how to build structural frames using standard and custom profiles.	2 Days	4 Sessions
		SOLIDWORKS Sheet Metal	Learn multiple techniques to build and develop sheet metal parts and their respective flat patterns in this unique SOLIDWORKS environment.	2 Days	4 Sessions
		SOLIDWORKS CAD Administration	For CAD Administrators and IT staff, this course discusses tools to deploy, troubleshoot, monitor and maintaining a SOLIDWORKS product group.	0.5 Day	1 Session
		SOLIDWORKS Essentials Refresher	Focused on tips over foundational skills, this course explores updated workflows and newer time saving features to help long-time users rediscover things they may have missed about SOLIDWORKS over the years. NOTE: This is not a replacement for SOLIDWORKS Essentials course. It provides an update for the basics and not an in-depth introduction to SOLIDWORKS.	2 Days	4 Sessions



COURSE		DESCRIPTION	FULL DAY	HALF DAY	
SOLIDWORKS	Add-In	SOLIDWORKS Visualize	Perfect starting point for designers, engineers, and marketing professionals eager to learn SOLIDWORKS Visualize to create professional quality photo renderings and emotional content.	2 Days	4 Sessions
		SOLIDWORKS Routing: Electrical	This course 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.	2 Days	4 Sessions
		SOLIDWORKS Routing: Pipe & Tube	This course explains how to create, edit, and manage piping and tubing routes, from the critical routing components and design requirements to the sub-assemblies that contain the routes.	2 Days	4 Sessions
		SOLIDWORKS DraftSight Essentials	Learn how to use DraftSight to optimize your drawings and designs for manufacturability so you can maximize quality, avoid rework, and decrease time to market.	2 Days	N/A
SOLIDWORKS PDM	Manage	SOLIDWORKS Manage Administrator	SOLIDWORKS Manage Administrator Training is designed to give the client an entry-level understanding of Manages core functionality. You will learn about the role of a Manage admin, backups, restore, upgrade, system options, connecting to PDM Pro, document and record objects, fields and field groups, Bills of Materials, reports and dashboards.	N/A	3 Sessions
	Standard	Using SOLIDWORKS PDM Standard	Learn the fundamental skills and concepts central to the successful use of SOLIDWORKS PDM Standard.	0.5 Day	1 Session
		Administering SOLIDWORKS PDM Standard	The focus of this course is on the fundamental skills and concepts central to the administration of the SOLIDWORKS PDM Standard system. The intended audience for this course is anyone who will administrate users, workflows, and files with SOLIDWORKS PDM Standard.	2 Days	2 Sessions
	Professional	Using SOLIDWORKS PDM Professional	The focus of this course is on the fundamental skills and concepts central to the successful use of SOLIDWORKS PDM Standard Professional.	0.5 Day	1 Session
		Administering SOLIDWORKS PDM Professional	The focus of this course is on the fundamental skills and concepts central to the administration of the SOLIDWORKS PDM Professional system. The goal of this course is to help you prepare, plan, and test a SOLIDWORKS PDM Professional system prior to a full implementation at your business.	2 Days	3 Sessions



COURSE		DESCRIPTION	FULL DAY	HALF DAY
SOLIDWORKS Additional Courses	SOLIDWORKS Composer Essentials	Learn how to use SOLIDWORKS Composer how to create images, animations, and interactive content for use in internal and external technical and training packages.	3 Days	4 Sessions
	SOLIDWORKS MBD	Discover how to use SOLIDWORKS MBD to embed product and manufacturing information (PMI) in your SOLIDWORKS models and export rich 3D PDF files to meet design and manufacturing standards.	1 Day	N/A
	SOLIDWORKS Inspection	Learn the basics of working with SOLIDWORKS Inspection software to automate the process of working with inspection documents. In this course, you will work with both the add-in and standalone versions of the product.	1 Day	N/A
	GD&T Fundamentals	Learn to understand and interpret the fundamentals of GD&T. It is based on the ASME Y14.5-2018. GD&T establishes uniform practices for stating and interpreting dimensions, tolerancing, and related requirements for use on engineering drawings and in related documents.	2 Days	3 Sessions
	GD&T Advanced	The course is designed as a further in-depth course to help understand, interpret, and apply the principles of GD&T. It is based on the ASME Y14.5-2018 standard.	2 Days	3 Sessions
	CSWP Exam Preparation Workshop	The SOLIDWORKS CSWP Exam Preparation Workshop is designed for users who want to take their career to the next level by becoming a Certified SOLIDWORKS Professional in Mechanical Design.	N/A	3 Sessions
	Large Assembly & Drawing Workshop	The SOLIDWORKS Large Assembly and Drawing Workshop is designed for users who find their productivity is drastically affected when working with assemblies or drawings.	N/A	4 Sessions
SOLIDWORKS Simulation	Intro to Simulation	This course is designed to help make SOLIDWORKS users' better designers by adopting SOLIDWORKS Simulation tools. This course provides the basics of Finite Element Analysis (FEA). No prior simulation experience is required.	0.5 Day	1 Session
	SOLIDWORKS Simulation Essentials	Get a comprehensive look at SOLIDWORKS Simulations' Finite Element Analysis from establishing realistic boundary conditions to affectively evaluating results. This class leads you through mesh creation, and gap/contact control for linear stress analysis.	3 Days	5 Sessions
	SOLIDWORKS Motion	Learn how to use the SOLIDWORKS Motion to study the kinematics and dynamic behavior of your SOLIDWORKS assembly models.	2 Days	N/A
	SOLIDWORKS Simulation Professional	This course is designed to make SOLIDWORKS Simulation users productive with the SOLIDWORKS Simulation Professional extension. It provides 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.	2 Days	N/A



COURSE		DESCRIPTION	FULL DAY	HALF DAY
SOLIDWORKS Simulation	SOLIDWORKS Simulation Premium: Nonlinear	Expand your Finite Element Analysis (FEA) capabilities into the nonlinear domain. This class will raise your SOLIDWORKS Simulation FEA skills to the next level! It offers hands-on experience on the use of the SOLIDWORKS Simulation Nonlinear module.	2 Days	N/A
	SOLIDWORKS Simulation Premium: Dynamics	Become productive in analyzing structures subjected to various types of dynamic loading, time-dependent, harmonic analysis, and random vibration analysis. 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).	2 Days	N/A
	SOLIDWORKS Flow Simulation	Designed to help you become productive faster, this introductory course offers hands-on training on the use of SOLIDWORKS Flow Simulation software. The training program provides an in-depth session on the basics of turbulent fluid flow analysis, in addition to covering meshing concerns, modeling concerns, analysis, post-processing, available options and preferences.	2 Days	4 Sessions
	SOLIDWORKS Plastics	The SOLIDWORKS Plastics course teaches you how to use specialized simulation software tools to predict how melted plastic flows during the injection molding process. The SOLIDWORKS Plastics course covers all the features and functions of both SOLIDWORKS Plastics Professional (for part designers) and SOLIDWORKS Plastics Premium (for mold designers).	2 Days	N/A
3D Experience	Using the 3DEXPERIENCE Platform for the Non-CAD user	Using the 3DEXPERIENCE Platform for the Non-CAD user course teaches you the basics of using the Platform through a web browser. You will learn about dashboards and navigating the platform web interface, adding and configuring non-CAD files in the 3DEXPERIENCE Platform, and how to work with SOLIDWORKS data inside the 3DEXPERIENCE Platform.	N/A	2 Sessions
	Using 3DEXPERIENCE Platform with SOLIDWORKS	Using the 3DEXPERIENCE Platform with SOLIDWORKS course teaches you the basics of using the Platform with either SOLIDWORKS Desktop or 3DEXPERIENCE SOLIDWORKS. You will learn about dashboards and navigating the platform web interface, navigating the platform from within SOLIDWORKS.	1 Day	2 Sessions
	Managing SOLIDWORKS Data in the 3DEXPERIENCE Platform	Managing SOLIDWORKS Data in the 3DEXPERIENCE Platform will teach you how to use the Data Management functions with SOLIDWORKS Data in the 3DEXPERIENCE Platform. You will learn about Revisioning, Assigning Tasks, Engineering Changes, and File Lifecycles.	N/A	2 Sessions
	Using 3DEXPERIENCE for the Non-CAD user	You will learn about dashboards and navigating the platform web interface, adding and configuring non-CAD files in the 3DEXPERIENCE Platform, and how to work with SOLIDWORKS data inside the 3DEXPERIENCE Platform.	N/A	2 Sessions



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3D Experience	3DEXPERIENCE Project Planner	Learn how to create project schedules, understand tasks, different project types available and integrate all within the 3DEXPERIENCE Platform. Included is a review of basic 3DEXPERIENCE Dashboards and Community functions.	1 Day	2 Sessions
	3DEXPERIENCE Electrical Schematic Designer	Learn how to how to create, use and modify single-line and multi-line diagrams in SolidWorks Electrical, and how to use the 3DEXPERIENCE platform to effectively create and manage electrical CAD documents using 3DEXPERIENCE Electrical Schematic Designer.	4 Days	5 Sessions
SOLIDWORKS Electrical	SOLIDWORKS Electrical Schematics	Learn to streamline and simplify an array of tedious design tasks, from PLC & terminal block to contact cross reference assignments with our automated design & management tools. This course is focused on 2D Schematic Design.	3 Days	4 Sessions
	Electrical 3D & Electrical Routing	This course is designed for electro-mechanical designers that are familiar with SOLIDWORKS and are new to SOLIDWORKS Electrical 3D. It sets you up for success by gaining familiarity with hybrid routing methodologies. Content consists of a selection of relevant topics from the SOLIDWORKS Electrical Routing training course, in combination with the SOLIDWORKS Electrical 3D course.	2 Days	4 Sessions
	SOLIDWORKS Electrical Advanced	Learn how to use SOLIDWORKS Electrical to optimize your drawings and designs for manufacturability so you can maximize quality, avoid rework, and decrease time to market.	2 Days	N/A
DriverWorks	DriveWorks Solo	This training course is intended to give a hands-on proficiency of DriveWorks Solo. Learn to create DriveWorks Solo user forms and link them to the models. Control SOLIDWORKS Drawings and create custom documents controlled by user inputs.	N/A	2 Sessions
	DriveWorks Pro	The DriveWorks Pro training will provide you with the tools necessary to automate model creation and document outputs from SOLIDWORKS. You will learn how to work with Excel Functions and Formulas to generate design rules, which will in turn control these outputs. You will also learn how to generate custom input forms, that can be used by sales staff and engineers in your company to generate quotes or designs.	N/A	6 Sessions
Additive and Scanning	Advanced FDM Operator Training	This course teaches FDM users how to understand the principles of extrusion-based printing and explores material selection, design criteria, postprocessing, and how to best use Stratasys Insight and GrabCAD Print software to increase part quality, strength, and build speeds. For owners of F370, F370CR, F770, F900, and Fortus 450mc, 380mc, 400mc, 360mc.	2 Days	N/A
	Geomagic for SOLIDWORKS	Learn how to use Geomagic for SOLIDWORKS, the best solution for taking scan data into SOLIDWORKS to get high fidelity data.	2 Days	N/A



COURSE		DESCRIPTION	FULL DAY	HALF DAY
Additive and Scanning	Advanced Full Color PolyJet Operator Training	The course teaches users color theory, material selection, software settings, technology principles, and post processing that allow for the production of full color and multi-material parts using PolyJet 3D printing technology. For owners of Stratasys J5series, J7series, and J8series printers.	2 Days	N/A
	F1 Advanced FDM Operator Training	This course teaches FDM users how to understand the principles of extrusion-based printing and explores material selection, design criteria, postprocessing, and how to best use GrabCAD Print software to increase part quality, strength, and build speeds. For owners of F170 and F190CR.	1 Day	N/A
	J35 Advanced Operator Training	The course teaches users about Stratasys Polyjet Technology and covers material selection, software settings, technology principles, and post processing. For owners of Stratasys J35 Printers.	1 Day	N/A
	Designing for Additive Manufacturing Technologies	This course focuses on a wide range of commercially available 3D printing technologies and explores how these key technologies work, what types of materials set them apart, to discuss how best to design parts and key design considerations for optimized strength and throughput. This course is for designers who will utilize existing print labs and is not a substitute for Advanced Operator Training. For owners of Stratasys Additive Manufacturing Equipment.	2 Days	N/A
SOLIDWORKS CAM	SOLIDWORKS for Machinists	The focus of this course is on the fundamental skills and concepts central to the successful use of SOLIDWORKS for use with SOLIDWORKS CAM. Learn features needed to assist in programming parts within the SOLIDWORKS User Interface.	2 Days	N/A
	SOLIDWORKS CAM Essentials	This course teaches how to use the SOLIDWORKS CAM Standard software to generate, modify and post process 2.5 axis milling toolpaths used for machining SOLIDWORKS part files.	2 Days	N/A
	SOLIDWORKS CAM Professional	This course teaches how to use the SOLIDWORKS CAM Professional software to machine parts utilizing advanced functionality such as: CAM or SOLIDWORKS configurations, VoluMill™, mill machining in the context of an assembly, and 3 plus 2 machining. Additionally, the course teaches how to generate, modify, and post process 2 axis turning toolpaths used for the machining of SOLIDWORKS part files.	1 Day	N/A



COURSE		DESCRIPTION	FULL DAY	HALF DAY
SWOOD	SWOOD Design	Learn how to build a custom and intelligent library of panels, frames, connectors and intelligent SWOOD box models that will allow you to quickly create new furniture designs, complete with all the required manufacturing detail by using simple drag and drop from your library. Throughout the course we will explore the benefits of SWOOD Design reporting.	3 Days	N/A
	SWOOD CAM	Learn how to apply a range of different machining operations directly onto your part in preparation for manufacture. Lessons also focus on the construction of your tool and aggregate library as well as a machining library for quick access to your most used machining operations. Once we have covered the wide range of programming operations, we take a look at the SWOOD CAM nesting capabilities (additional module) before exploring the power of SWOOD CAM simulation and reporting.	2 Days	N/A
SOLIDCAM	SolidCAM 2.5D CNC Milling	This course introduces SolidCAM 2.5D Milling technologies. It covers the basic concepts of 2.5D machining and interface of the SolidCAM gold partner product. You will learn how to easily work on parts, assemblies, and sketch geometry to define your CNC machining operations.	2 Days	N/A
	SolidCAM 3D High Speed Milling	This course teaches the fundamental skill required to perform 3D High Speed Milling in SolidCAM. You will learn unique machining and linking strategies for 3D high-speed toolpaths. It smooths the paths of both cutting moves and retracts, wherever possible, to maintain a continuous machine tool motion – an essential requirement for maintaining higher feed rates and eliminating dwelling.	2 Days	N/A
	SolidCAM Turning	This course introduces SolidCAM Turning technologies. It covers the basic concepts of turning and interface of the SolidCAM gold partner product. You will learn powerful toolpaths and techniques for fast and efficient turning with fixture and holder protection.	1 Day	N/A
	SolidCAM Advanced Mill-Turn	This advanced course expands on SolidCAM Turning knowledge. It covers more complex techniques of turning and interface of the SolidCAM gold partner product. You will learn how modern Mill-Turn CNC centers are designed to combine as many milling and turning operations as possible, to manufacture workpieces at maximum productivity.	1 Day	N/A
	SolidCAM High Speed Surfacing	This course further develops on the SolidCAM module HSR/ HSM basics to add control of your programming, including tool control to machine only the areas you choose, powerful surface machining strategies for smooth, gouge-free and optimal tool paths, and advanced gouge control for holder, arbor and tool.	1 Day	N/A



COURSE		DESCRIPTION	FULL DAY	HALF DAY
SOLIDCAM	SolidCAM 4-Axis Machining	SolidCAM 4-Axis machining makes the most of 3-Axis machines with complimentary simultaneous rotary capabilities ensure you get the most out of your full machine's capabilities. The course includes 4-Axis Strategies and Operations.	1 Day	N/A
	SolidCAM 5-Axis Machining	Learn a variety of tools and strategies including 3D CAD Surfacing Tools, 5-Axis Strategies, tool types and tables, tool axis control and tilt strategies, collision control and strategies, roughing options, definition of Machining limits, machine simulation basics, and 5-Axis Sub Operations.	1 Day	N/A
	SolidCAM AFRM	Learn the basics of SolidCAM CNC Programming of 2.5D parts with a focused agenda on recognizing features in conjunction with pockets, drilling, and deburring. Automatic Feature Recognition & Machining (AFRM) from SolidCAM provides automated CAM Programming.	1 Day	N/A
	SolidCAM iMachining	Learn SolidCAM's exclusive and patented iMachining basic functions and programming, how to show effects of the Wizard level slider and the efficiency slider, and how to program a part showing tips and tricks.	1 Day	N/A

TAILORED TRAINING

Harnesses the latest SOLIDWORKS Technology & Usage Techniques

Our tailored training solution provides a learning path and course content that is designed to target your specific needs. TriMech will collaborate with you to select only the relevant course modules that you need. Here is how it works:

1. TriMech performs an in-depth training assessment with your users.
2. Based on the results TriMech will collaborate with you to design a learning path with the relevant course modules that your team requires to meet your goals.
3. A TriMech Certified Instructor will deliver your tailored training either on site at your location, over the web, or at a TriMech training facility.

CORPORATE TRAINING PACKAGES

Build a Competitive Workforce

The Corporate Training Program provides you with a simple solution for talent development to build a competitive workforce that supports your company growth. This program provides a blanket training solution with a single efficient purchase, reducing your administrative efforts.

Our Training Team will also work with you to tailor a scheduling and reporting process that matches your internal programs.

Corporate training days can be used by any employee, in any location, to attend publicly offered in-person or live online courses. Course selection includes SOLIDWORKS Design, Simulation, PDM and other course offerings seen on the public training schedule.

TRAINING PASSPORTS

Invest in your Skills Development

Save up to 63% on the cost of obtaining the SOLIDWORKS skills you need.

The SOLIDWORKS Training Passport offers you a comprehensive training plan at a special discounted price.

Our most popular training courses are included in the passport to ensure you gain the essential skills you need to use SOLIDWORKS effectively and will help you obtain SOLIDWORKS certification.

We offer additional training courses for 3DEXPERIENCE, CATIA, SIMULIA, and ENOVIA.

Visit trimech.com/training/ for more information.

