

## On Your Schedule!

Designed for the employed individual who needs flexible training options.

Program options allow training remote or in-center, when they want to, while maintaining on-demand access to Ve-I instructors. Students can access training lessons online 24/7 for self-study.

**Remote Attendance:** Tap directly into our training center remotely and work with our on-staff instructors, on-demand, like you would in a physical training room. Instructors can talk to the students and view their workstation session to assist or share their own screen to lecture.

**In-Center Attendance:** For a small, one-time, incremental fee, students can upgrade their program and attend training in our physical training center. As always, our instructors are available on-demand when you need them. Ve-I provides the facility, workstation & software required to execute the coursework. You can attend based on your schedule, not ours. Attendance need not be contiguous. We accommodate your schedule!

The Unlimited Programs feature all currently available courses for each respective CAD program. If you do not see it listed, just ask! Older software revisions supported.

Ve-I is State of MA Section 30 & TAA Approved  
Program is WIOA/Section 30/Trade Act Eligible  
Ve-I is a Licensed Post-Secondary Education Institution

*We are a Veteran Friendly Institution*



"GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by the VA is available at the official U.S. government website at <http://www.benefits.va.gov/gibill>."

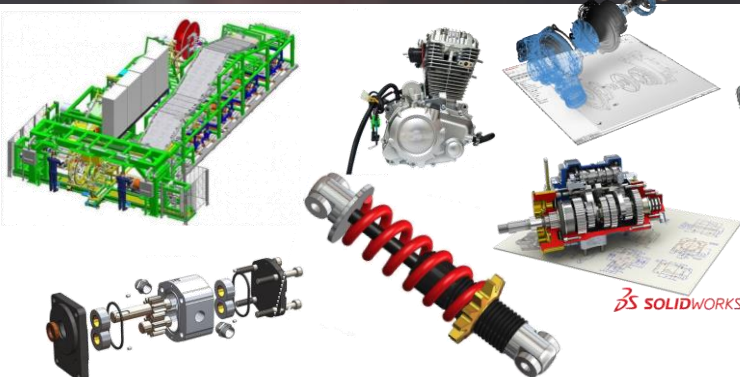
*Classes can be taken individually*

Pricing is subject to revision at any time. Ve-I reserves the right to change fees, courses, topics, policies, programs, services and personnel as required. All classes listed are available for 6 to 12 months depending on program purchased. "Unlimited" refers to instructor and facility access during our normal business hours, which are Monday – Friday from 8:00AM to 5:00PM except Federal Holidays and shutdowns. Most course material can be accessed 24/7 for afterhours study. Instructor support is limited to purchased training materials and labs. Remote students must have access to legal CAD Licenses and required modules for the training. A Student Edition may be supplied for an additional fee. Remote setup assistance is included.

# SolidWorks Skills Optimization Program

**Live Instructors "On-Demand"**  
**Unlimited Instructor Access**  
**All Guaranteed-to-Run!**  
**Remote and In-Center**  
**On Your Schedule!**

This program prepares students to be proficient SolidWorks Modelers & Detailers. Students will learn to create 3D models and produce technically accurate drawings of mechanical parts, mechanisms and assemblies while learning industry standard drafting & modeling practices.



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Please visit our website for more program details:  
<https://www.visible-edge.com/education-programs/>  
& <https://www.visible-edge.com/skills-optimization/>

## Visible Edge Institute





## ***SolidWorks – Core Courses***

### ***Basic Modeling Concepts***

*SolidWorks I - Introduction*

*Intro to 3D*

*Parametric Modeling*

*AutoCAD to SOLIDWORKS*

*Basic Sketching & Drawings*

*Basic Parts & Basic Assemblies*

*Basic Simulation*

### ***Advanced Modeling Concepts***

*SolidWorks II - Advanced*

*Surfacing*

*Top Down Design*

*DriveWorksXpress*

*Sheet Metal & Weldments*

*Advanced Sketching*

*Mold Tools and Plastic Design*

*Advanced Parts & Advanced Assemblies*

### ***SOLIDWORKS Premium Add-ins***

*Routing – Piping & Tubing*

*Simulation - Mechanical*

*TolAnalyst & DimXpert*

## **SOLIDWORKS Professional Add-ins**

*Advanced Surfacing*

*Toolbox & Design Library*

*PDM & File Management*

*Animation & Rendering with Visualize*

## **SOLIDWORKS Flow Simulation**

*Fluid Flow*

*Transient Heat Transfer*

*External & Supersonic Flows*

## **SOLIDWORKS Plastics**

*Basic Flow Analysis, Detecting Air Traps*

*Short Shots, Injection Location and Sink Marks*

*The Model Manager*

## **Advanced Manufacturing**

*Additive Manufacturing (3D Printing)*

## **Graphics & Animation**

*Augmented Reality with Vuforia*

*Animation & Rendering with Keyshot*

## **Mathcad**

*Introduction to Mathcad*

*Using Mathcad with SolidWorks*

## **Optional Bonus Pack**

### **Mfg. & Process Improvement**

*Lean Six Sigma Green Belt Healthcare*

*Lean Management Certification*

*Six Sigma Green Belt (DMAIC)*

*Process Improvement/TQM, 5S*

*Root Cause Analysis (FMEA), Kaizen, Kanban,*

*Intro to DFMA, Agile /Scrum, MasterCAM*

### **Advanced Design Skills**

*Fundamentals of GD&T ASME Y14.5*

*GD&T ASME Y14.5 2009 Update*

*Engineering Drawing & Design*

*Top Down Design & Master Modeling*

*Advanced GD&T*

### **Project Management**

*PMP or CAPM Test Prep*

*Microsoft Project, Visio*

### **Data Management**

*Intro to Windchill PDMLink for Heavy Users*

*SolidWorks Data with Windchill PDMLink*

*Windchill ProjectLink*

