SOLIDWORKS MECHANICAL DESIGN APPLICATIONS SPECIALIST

We train on *your* schedule.

Visible Edge Institute has been providing classroom training for over 30 years and remote training for over a decade. Our flexible, comprehensive training programs are designed to accommodate individuals of ***all*** skill levels.

As a Licensed Post-Secondary Educational Institution, our training provides students with hands-on experience, in-depth skills in leading applications, and industry-recognized certifications. You'll get the opportunity to earn industry-recognized certifications in all of our programs.

Train remotely or in-center, while maintaining on-demand access to our live instructors. Students can also access training lessons 24/7 for self-study.

Remote Attendance: Remotely tap into our training center to work directly with live instructors on-demand via phone, video call, screen sharing, email, chat or text.

In-Center Attendance: Choose to attend training in our physical training center on your schedule, not ours. Our renovated in-center learning environment utilizes state of the art equipment and modern learning techniques including one-on-one live instructor interactions, digital materials, labs, and project work.

You may qualify to have your entire program paid for, 100%, with no out-of-pocket costs to you. All programs are federally approved by WIOA, Section 30, Trade Adjustment Act, Vocational Rehab, and more.

We are a Veteran Friendly Institution.

GLOBAL HEADQUARTERS

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CONTACT US

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Master 3D parametric solid modeling & detailing with SolidWorks, the industry-standard 3D Mechanical Computer-Aided Design (CAD) tool.

VISIBLE EDGE

BECOME A PROFICIENT 3D PARAMETRIC SOLID MODELER AND DETAILER

Throughout this program, you'll learn all about the industry-standard 3D Mechanical Computer-Aided Design (CAD) tool, SolidWorks.

Discover how to create 3D models and produce technically accurate drawings of electro/mechanical parts, mechanisms, and assemblies - all while learning essential drafting and modeling practices.

After exploring crucial areas, you'll continue on to your choice of elective topics. Elective topics are included to boost your resume, fill your skills gaps, expand your skill set, strengthen your knowledge, increase your employment marketability, and give you a competitive edge. For example, experience shows many CAD "gurus" become system administrators. We've included electives that cover these critical CAD management functions.

By the end of this program, you'll have both confidence and experience as a 3D Parametric Solid Modeler & Detailer - using the one of the top 3D Mechanical Computer-Aided Design (MCAD) tools today, SolidWorks.

Visible Edge specializes in this industry, with over 30 years of experience supporting Mechanical Design environments. Throughout this program, we'll share our vast industry knowledge with you.

HIGHLIGHTS...

Learn about skills and tools utilized by major discreet manufacturers and product development companies.

Gain knowledge in all areas of this discipline with diverse electives including GD&T, Technical Drawing, Windows Operating System (OS), CompTIA preparation, Windows Server, Microsoft Office, and IoT courses.

Use similar programs to SolidWorks, such as Creo, Revit, Inventor, AutoCAD, and more.

Choose to explore electives that will get you acquainted with topics such as product development, mechanical engineering, mechanical design, IoT, security awareness training, Windows performance troubleshooting, and other related topics.

YOU'LL HAVE THE OPPORTUNITY TO EARN INDUSTRY-RECOGNIZED CERTIFICATIONS, INCLUDING BUT NOT LIMITED TO:

Certified SolidWorks Associate (CSWA)

Certified SolidWorks Professional (CSWP)

Certified SolidWorks Expert (CSWE)

CORE CURRICULUM FOR THIS PROGRAM INCLUDES...

- SolidWorks Introduction
- Intermediate & Advanced SolidWorks
  - Essentials for Parts & Assemblies
  - Drawings & eDrawings
  - Advanced Part Modeling
  - Advanced Assembly
  - Sheetmetal & Weldments
  - Surfacing
- Ve-I CAD Drills & CSWA Practice Exams
- Certified SolidWorks Associate (CSWA)
  - Certification Preparation + Exam

ADDITIONAL ELECTIVE TOPICS INCLUDE...

- Engineering Drawing & Graphics
- SolidWorks Efficient Modeling & Design Intent
- Plastics & Molds
- Mold Design
- MasterCAM for Solidworks & MasterCAM Lathe
- Electrical & Routing
- Simulation
- Visualization & Animation
- Tools & API's
- Inventor, AutoCAD 2D, Navisworks, & SketchUp
- Multi-Axis & Mill
- Introduction to Mechanical Design Engineering
- Product Development Essentials
- GD&T Essentials to Advanced
- MATLAB & Mathematica
- Visual Basic Applications (VBA) & Python
- Animation & Rendering with Blender
- Designing Graphics using Adobe Creative Cloud
- CAD Systems Management Fundamentals
- SolidWorks Certification Preparation
- CompTIA Certification Preparation
- Windows Server Administration Fundamentals
- Fundamentals of Math, Algebra, & Geometry
- IoT (Internet of Things)
- Augmented Reality (AR)
- Microsoft Office 365 Suite, Visio, & Project
- *and more.*

To learn more about this program, please visit:
https://www.visible-edge.com/solidworks-mechanical-design-applications-specialist/