

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.



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

GLOBAL HEADQUARTERS

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Ve-I reserves the right to change fees, courses, topics, policies, programs, services and personnel as required. "On-Demand" 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. Instructor support is limited to purchased training materials and labs. Remote setup assistance is included.

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MECHANICAL ENGINEERING TECHNOLOGIES

Mechanical Engineering is one of the most diverse and versatile engineering fields. It touches virtually every aspect of modern life. If you can see it or touch it, a Mechanical Engineer was involved in bringing it to reality.

VISIBLE EDGE

IF YOU HAVE AN INTEREST IN HOW THINGS WORK OR HOW TO MAKE THEM WORK BETTER, THIS PROGRAM IS FOR YOU

This program is specifically designed for individuals with little to no formal training in the Mechanical Engineering discipline. If you are already a draftsman, CAD operator, or Mechanical Designer - this is the perfect program to move you into an associate engineering role.

Core courses include all of the required coursework equivalent to a bachelor's degree in Mechanical Engineering at just a fraction of the cost and time.

Throughout the program, you'll explore fundamental engineering topics. In addition to core coursework, a vast range of electives are also included in the program to boost your resume, expand your skill set, strengthen your knowledge, increase your employment marketability, and give you a competitive edge.

Elective topics include data analysis, robotics, motor controls, computer literacy, public speaking for engineers, 3D printing, project management, machine learning, Windows, Zoom, LabVIEW, Microsoft Office, and even more.

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

By the end of this program, you'll have a comprehensive knowledge of Mechanical Engineering, CAD functionality, engineering tools, applications, and 3D Parametric Solid Modeling & Detailing.

HIGHLIGHTS...



Create 3D parametric geometry using the state-of-the-art CAD system, SolidWorks, and become familiar with the basics of the Mechanical Design & Development Process.



No drafting experience? Choose to explore optional Engineering Drawing & Graphics courses.



Alternate between challenging CAD functions and dive deeper into how the designs you engineer and create will be created.



Explore physics, mechanical systems, machine design, Design for Manufacturing (DfM), and additive manufacturing (3D Printing).

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



Certified Manufacturing Associate (CMfgA)



Certified Manufacturing Technologist (CMfgT)



Certified Manufacturing Expert (CMfgE)



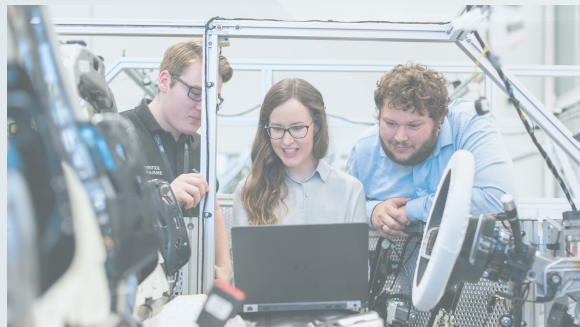
Certified SolidWorks Associate (CSWA)



Certified SolidWorks Professional (CSWP)



Certified SolidWorks Expert (CSWE)



CORE CURRICULUM FOR THIS PROGRAM INCLUDES...

- Introduction to Mechanical & Electrical Engineering
- Manufacturing Processes & Sciences
- Design for Manufacturing (DfM)
- Mechanical & Machine Design
- Mechanical Systems
- Engineering Drawing & Graphics
- SolidWorks
- Physics & Chemistry
- Thermodynamics
- Fluid Mechanics
- Computational Fluid Dynamics (CFD)
- Heat Transfer
- Probability & Statistics
- Mathematica Programming
- MATLAB
- Product Development
- Engineering Mechanics: Statics & Dynamics
- System Dynamics & Controls
- Materials Science
- Strength of Materials & Structures
- FEA Essentials
- Fundamentals of Math, Algebra, Geometry, Linear Algebra, Trigonometry, Precalculus, Calculus, & Differential Equations

ADDITIONAL ELECTIVE TOPICS INCLUDE...

- Additive Manufacturing (3D Printing)
- Advanced Machine Design
- Internal Combustion Engine Basics
- Machine Learning
- Motor Controls
- Robotics
- HVAC & Refrigeration Fundamentals
- Python, Java, R, PLC, & VBA Programming
- LabVIEW
- Data Analysis
- Statistics
- Project Management Essentials
- Public Speaking for Engineers
- *and more.*

To learn more about this program, please visit:

<https://www.visible-edge.com/mechanical-engineering-technologies/>