

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

Visible Edge, Inc.
38 Technology Way
The Millyard Technology Park
Nashua, New Hampshire 03060

CONTACT US



(888)-VIS-EDGE
(888)-847-3343



info@visible-edge.com



www.facebook.com/VisibleEdgeInc



www.twitter.com/VisibleEdge



www.linkedin.com/company/visible-edge/



www.visible-edge.com
www.visible-edge.com/career-centers/



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.

COPYRIGHT © 2022 - Visible Edge, Inc. All Rights Reserved.

PRODUCTION TECHNOLOGIES



Learn about production processes on fabrication, assembly, and machine operation functions throughout this comprehensive, 4-part overview of Manufacturing Processes and Sciences.

VISIBLE EDGE

DEEP DIVE INTO ALL FACETS OF PRODUCTION

In this 4-part program, you'll review the basics of production processes - focusing on fabrication, assembly, and machine operation functions.

The first part of this series covers topics such as Additive Manufacturing (3D Printing), CNC Machines, Assembly, Math Fundamentals, Measurements, and more.

Afterwards, the second portion dives into the basics of tolerance, Blueprints, Blueprint Reading, 5S, Troubleshooting, Quality, Machine Tools, Screw Machining, Bending, Abrasives, Punch/Die Operations, and Welding.

The third part of this program will cover crucial Robotics topics, OSHA violations, Workholding, Fixtures, Mills, Lathes, Circuits, Hydraulic & Pneumatic Components, and other similar ideas.

To finish off, the fourth and final portion of the program explores Personal Protective Equipment, Lockout/Tagout Procedures, Hazard Communication, Safety Precautions, GD&T, and High-Speed Machining.

A vast range of electives are also included in the program to expand your skill set, strengthen your knowledge, increase your employment marketability, and give you a competitive edge.

Our counselors create a customized training program to fit your past experience, current needs, and future goals. You will be taught industry-standard skills and tools used by top manufacturers and product development companies around the world.

HIGHLIGHTS...



Use Production Processes for Fabrication, Assembly, Machine Operation Functions, and more.



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



Create assembly procedures and provide feedback to the engineering and design department for suggested design for manufacturability changes.

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)



SME Additive Manufacturing Certification



Lean Six Sigma Green Belt



Lean Manufacturing



Certifications in Microsoft Office 365 Associate Specialist for Outlook, Word, Excel, PowerPoint, and Access

CORE CURRICULUM FOR THIS PROGRAM INCLUDES...

- Mfg Processes & Sciences Overview: (Part 1)
Assembly, Fasteners, Mechanical Systems, Math Fundamentals, Applied and Engineering Sciences, Measurement, Manufacturing Process Applications, Fluid Systems, Physical & Mechanical Properties, Metals, Plastics, Adhesive Bonding, and Coatings & Composite Processes
- SolidWorks Introduction
- SolidWorks Drawings
- SolidWorks - Manufacturing (CAM)
- Mfg Processes & Sciences Overview: (Part 2)
Overview of Algebra & Shop Geometry, Introduction to Machine Tools, Screw Machining, Press Basics, Punch and Die Operations, Bending, Welding, EDM, Abrasives, Tolerancing, and Additive Manufacturing (3D Printing)
- MasterCAM
- Mfg Processes & Sciences Overview: (Part 3)
Intro to Shop Trig, Basic Cutting Theory, Manual Mill Basics, Engine Lathe Basics, CNC Machines, Electrical Units, Circuits, Magnetism, Control Devices, Distribution Systems, Hydraulic Components, Pneumatics, Fluid Conductors, Workholding, and Fixture Design & Body Construction
- Additive Manufacturing (3D Printing)
- Assembly & Fasteners Fundamentals
- Processes & Sciences Overview: (Part 4)
High-Speed Machining, Introduction to GD&T, Rules & Applications of GD&T

ADDITIONAL ELECTIVE TOPICS INCLUDE...

- AutoCAD Essentials
- Metal Cutting
- Introduction to CNC Machines
- Inspection Fundamentals
- Lean Manufacturing & Six Sigma
- Mechanical & Electrical Systems Fundamentals
- Robotics Fundamentals
- Cybersecurity for Manufacturing
- PLC Fundamentals & Programming
- Motor Controls Fundamentals
- OSHA Safety Fundamentals
- Quality and Supervisor Essentials
- Engineering Drawing & Graphics
- Agile/Scrum, Kaizen & Kanban
- LabVIEW
- Data Analysis Essentials Using Excel
- Microsoft Office 365 Suite + Visio, Project
- CAD Systems Management
- Foundational Mathematics
- and more.

To learn more about this program, please visit:

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

