

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.

ROBOTICS, MANUFACTURING, & PRODUCTION PROGRAMS

VISIBLE EDGE INSTITUTE

CERTIFICATE PROGRAMS





Advanced Manufacturing Technologies

Dive into how companies manage, improve, and automate their core manufacturing and production processes.

Start off strong by learning advanced skills and concepts related to the rapidly emerging field, Additive Manufacturing (3D Printing). Our program also ensures that you cover all bases of Advanced Manufacturing. Learn everything from Lean Manufacturing to Continuous Process Improvement, Developing a Lean Culture, Six Sigma, Troubleshooting, Kaizen, Total Quality Management, Value Stream Mapping, and Product Design.

Core curriculum and electives for this program cover robotics, quality fundamentals, cybersecurity for manufacturing fundamentals, additive manufacturing (3D printing), process flow charting, process mapping, Lean, Six Sigma, and Microsoft Visio. Also choose to explore project management, industrial automation, PLC, RPA, 3D CAD modeling, SolidWorks, Kanban, and more

To learn more about this program, please visit:
<https://www.visible-edge.com/advanced-manufacturing-technologies/>



Production Technologies

Learn the basics of production processes - focusing on fabrication, assembly, and machine operation functions.

Interested in a career in Production & Manufacturing? This is the place to start. In this comprehensive, 4-part overview, you will learn all about assembly, machine operation function, and production processes for fabrication.

Core curriculum and electives for this program include 3D CAD modeling, additive manufacturing (3D printing), manufacturing processes & sciences, assembly & fasteners, SolidWorks, and Mastercam. Also choose to explore metal cutting, CNC machines, inspection fundamentals, fixture design, workholding, abrasives, Lean, Six Sigma, Microsoft Visio, Mastercam Lathe, Mastercam Mill, and Mastercam Multiaxis.

To learn more about this program, please visit:
<https://www.visible-edge.com/production-technologies/>



Robotics & the Internet of Things (IoT)

Master the basics of Robotics through a series of hands-on robot building projects and lessons on basic electronics, tools, equipment, building robots, robot operating systems, and more.

You will begin your studies with Arduino programming, hardware fundamentals, motor controls, mechanical systems, PLC's, robotics, robot framework test automation, robotics operating system (ROS), robotic process automation (RPA) and a 4-part series on manufacturing processes & sciences (See Production Technologies Program for details).

You may also choose from over 300 electives topics in areas such as:

Robotics:

Foundations of Robot Motion, Robot Kinematics, Robot Dynamics, Robot Motion Planning and Control, Robot Manipulation and Wheeled Mobile Robots, Electrical Controls Fundamentals, Electricity & Electronics, Industrial Automation, System Dynamics and Controls, and Physics.

Microcontrollers:

Arduino, Raspberry Pi, Azure IoT, Industrial IoT on Google Cloud Platform, Embedding Sensors and Motors, IoT Wireless, and Cloud Computing.

Programming:

Python (for Computer Vision, Machine Learning, Simulating Power Electronic Circuits), R, Data Analysis (with Pandas, Python & Excel), LabVIEW, MATLAB, Tableau, Java, SQL, and Robot Framework (Jenkins CI, Git Version Control, Selenium, Test Automation).

Mechanical Design:

SolidWorks, Machine Design, Cybersecurity, Networks, Digital Manufacturing, Lean Manufacturing, and Six Sigma.

Engineering:

Mechanical & Electrical Engineering, Thermodynamics, Fluids, Hydraulics, Heat Transfer, Materials Science, Engineering Mechanics, Hydraulics & Pneumatics System, Engineering Math, and more.

To learn more about this program, please visit:
<https://www.visible-edge.com/robotics-and-the-iot/>



Manufacturing Applications Specialist

Attain or update application-level skills in managing, improving, and automating core manufacturing and production processes.

Begin our Manufacturing Applications Specialist program by learning your choice of industry-standard CAD tools and applications used throughout manufacturing environments. While the primary focus of this program is to teach Manufacturing applications, you will also have the opportunity to access additional discipline related electives.

Core curriculum and electives for this program cover various basics of SolidWorks and Microsoft. Explore all areas of SolidWorks - from SolidWorks drawings to parts, assemblies, advanced assemblies, sheet metal, weldments, plastics, molds, and Mastercam for SolidWorks. Also explore data wrangling, data analysis, machine learning, robotics, Lean Manufacturing, Six Sigma, AutoCAD, Python, Tableau, SQL, Inventor, Revit, SketchUp, and additional Microsoft applications including Microsoft Excel, Flow, Project, Teams, Visio, and more.

To learn more about this program, please visit:
<https://www.visible-edge.com/manufacturing-applications-specialist/>

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



SME Certified Manufacturing Associate (CMfgA)



SME Certified Manufacturing Technologist (CMfgT)



SME Certified Manufacturing Expert (CMfgE)



SME Additive Manufacturing



Certified SolidWorks Associate (CSWA)



Total Quality Management (TQM)



Lean Management



Lean Six Sigma Green Belt