

Career Development / Licensure & Certification

MACHINING

Learn both Manual and Computer Numerical Control (CNC) Machine Tool Technology with extensive hands-on and computer-based training at Western Maryland Works facility at 37 Lane Avenue. The 720- hour series is designed to prepare students to become well-rounded entry level manual and CNC Machinists with upward mobility potential. The classes are predominantly hands-on training. College credit is not awarded for this program, rather it is designed around industry recognized credentials based on skills needed for a career in manual and CNC machining and manufacturing.

Students will have the opportunity to earn up to 13 NIMS (National Institute of Metalworkers) Credentials including: NIMS Machining Level 1 Measurement,

Materials, & Safety; Job Planning, Benchwork, & Layout; Drill Press I; Milling I; Turning I (Between Centers); Turning I (Chucking); Grinding I; Metalforming I; CNC Mill Operations; CNC Mill Programming, Setup, and Operations; CNC Lathe Operations; CNC Lathe Programming, Setup, and Operations; and a Certificate of Special Merit.

For more information on the National Institute for Metalworking Skills (NIMS), please visit: [https:// www.nims-skills.org](https://www.nims-skills.org).

8/18 - 6/15 M-TH
4:00 PM – 8:30 PM
Western Maryland Works – LaVale, MD
Instructor: Robert Prosser
Course Cost: \$9,668
Maryland Senior Course Cost: \$8,868

**For more information and potential scholarships please contact
Gracie McLeod at mmcleod14238@allegany.edu**

Milling Bootcamp (MTT-110)

This course is designed to prepare students to work in an industry machining environment. Topic of instruction includes tramming of head table, surface milling, side milling, plunge milling, conventional milling, climb milling, removing backlash, drilling, reaming, tapping, and creating absolute zero on X,Y,Z.

9/6 - 9/27 SA (4 Sessions)
8:00 AM – 12:00 PM
Western Maryland Works – LaVale, MD
Instructor: Robert Prosser
Course Cost: \$455

**Scholarships not applicable for course*

Lathe Bootcamp (MTT-111)

This course is designed to prepare students to work in an industry machining environment. Topic of instruction include four-jaw chucks, turning between centers, facing, general turning, knurling, cutting both left and right threads, and parting.

10/4 - 10/25 SA (4 Sessions)
8:00 AM – 12:00 PM
Western Maryland Works – LaVale, MD
Instructor: Robert Prosser
Course Cost: \$455

**Scholarships not applicable for course*

Career Development / Licensure & Certification

WELDING

Shielded Metal Arc Welding

(VTE711)

This 80-hour course will provide participants with a thorough, technical understanding of shielded metal arc welding, welding safety, power sources (AC and DC), electrode classifications, and electrode selection (E6010 & 7018). It also provides training to develop the skills necessary to make quality shielded metal arc welds in all positions (flat, horizontal, vertical up, and overhead) on mild 3/8 inch steel. Single and multiple passes using mild steel, low hydrogen, and iron powder electrodes will be covered. Upon successful completion, the student should be able to perform production welding, millwright work, and general maintenance welding.

To certify, trainees must complete an additional 40-hour welding course in preparation for the following skills tests: fillet and groove welds done in the flat, horizontal, vertical, and overhead positions (visual inspection and AWS guided bend tests performed by an independent CWI).

9/17 – 11/26, M/W (20 sessions);

5:00 PM – 9:00 PM

Western Maryland Works - LaVale, MD

Instructor: Gary Taylor

Course Cost: \$1,299

Maryland Senior Cost: \$1,289

Shielded Metal Arc Certification

(VTE714)

This 40-hour course will provide training for experienced and trained welders in preparing for certification testing in the shielded metal arc welding process.

Test certification will be performed on 3/8-inch steel plate. You will prepare to test in two positions: vertical up and overhead passes. You will also practice welding on test plates to prepare for the final testing. All certification testing will be performed by a Certified Welding Inspector under American Welding Society (AWS) welding specifications and procedures.

12/1 – 1/14, M/W (10 sessions);

5:00 PM – 9:00 PM

Western Maryland Works - LaVale, MD

Instructor: Gary Taylor

Course Cost: \$599

Certification Testing Fees: \$400

(Fee includes vertical and overhead tests, certification papers, and ID card)



Career Development / Licensure & Certification

MIG/TIG Welding (VTE748)

This 40-hour intermediate course is for the welder with basic welding experience. You will train in welding safety, gas metal arc welding (GMAW-MIG), and gas tungsten arc welding (GTAW-TIG) processes. The course includes metal arc transfers of short-circuiting, globular, spray arc, and power mode. Also included is instruction in how various shielding gases affect gas metal arc and gas tungsten arc welding. Hands-on experience will be dedicated to welding on basic carbon steel using edge, corner, lap, and fillet welds in all positions. Welding is limited to regular thin, flat material and does not include thick plate, pipe, or other irregular shapes. In preparing for your welding course, you must provide leather welding gloves, protective eyewear, welding helmet, and welding jacket. The Welding Starter Package must be purchased if you don't have the necessary gear.

9/16 – 10/21, T/TH (10 sessions)

5:00 PM – 9:00 PM

Western Maryland Works – LaVale, MD

Instructor: Harry Riggleman

Course Cost: \$599

Maryland Senior Course Cost: \$589

Welding Starter Package: \$240

MIG/TIG Certification (VTE854)

This 40-hour course will provide training for experienced and trained welders in preparing for certification testing in gas metal arc welding (GMAW-MIG) and gas tungsten arc welding (GTAW-TIG) processes. Test certification will be performed on 3/8-inch carbon steel plates in vertical and overhead positions. Hands-on experience will include practicing on test plates in preparation for final testing. All certification testing will be performed by a Certified Welding Inspector under American Welding Society (AWS) standards.

10/23 – 11/25, T/TH (10 sessions)

5:00 PM – 9:00 PM

Western Maryland Works – LaVale, MD

Instructor: Harry Riggleman

Course Cost: \$599

Certification Testing Fee: \$600

(Fee includes vertical and overhead tests in MIG & TIG, certification papers and ID card.)

Maryland Senior Course Cost: \$589

(plus testing fees)

**For more information and potential scholarships please contact
Gracie McLeod at mmcleod14238@allegany.edu**

WELDING SCHOLARSHIP OPPORTUNITY!

The Wilson Supply/Veryl Morgan Scholarship memorial award honors Veryl Morgan's dedication and long-term service to Wilson Supply. The Scholarship is awarded to Allegany County continuing education students in the fall and spring semesters. Please submit application letter indicating why you are interested in welding; why you are the best candidate for the award; and enrollment date to:

Wilson Supply/Veryl Morgan Scholarship Fund

c/o Shea Bonarigo,

Allegany College of Maryland Center for Continuing Education

12401 Willowbrook Road • Cumberland, MD 21502

THANK YOU, WILSON SUPPLY COMPANY

For Providing the Endowed Wilson Supply/Veryl Morgan Scholarship Fund



Career Development / Licensure & Certification

TRADE SCHOLARSHIP OPPORTUNITY!

The Park Place Church Women's Group Trade Scholarship award will be granted once a year in later August to mid-September to an individual who demonstrates financial need and is pursuing a welding or NIMS certification in welding, machining, industrial maintenance, or robotics. Both males and females are eligible to apply. Please note that bootcamps are not eligible for this scholarship.

Park Place Church Women's Group
c/o Shea Bonarigo,
Allegany College of Maryland Center for Continuing Education
12401 Willowbrook Road • Cumberland, MD 21502

THANK YOU, Park Place Church Women's Group
For Providing the Endowed Park Place Church Women's Group Trade Scholarship Fund

Forklift Certification (VTE400)

This course aims to equip students with the necessary skills to operate an industrial powered forklift safely and effectively. It complies with 29 CFR 1910.178, OSHA Powered Industrial Truck Operator Training Standard. Participants will engage in formal classroom instruction, hands-on practical training, and a final evaluation. Those who successfully complete the course will be awarded a certificate

of training along with a wallet card. Key topics covered include pre-inspection procedures, loading and unloading techniques, maneuvering and operational skills, relevant rules and regulations, and a strong focus on safety practices. Course costs include the certification, safety helmet, and safety vest.



8/16, 9/13 SA (2 sessions)

8:00 AM - 4:00 PM

Western Maryland Works - LaVale, MD

Instructor: Henry Cook

Course Cost: TBD

Career Development / Licensure & Certification

Would you like to carve a detailed wood design, engrave your anniversary date on a cutting board, make a banner for your sports team, or print a 3D toy?

“SERIOUSLY, YOU CAN DO THIS!”

Yes, you absolutely can—and we’re here to help you unlock your creative potential! At Western Maryland Works, we provide access to the tools, equipment, and support you need to turn your ideas into reality. Whether you’re exploring a new hobby or pursuing a long-time passion, we’re here to support and inspire your creative journey.

Our Digital Fabrication Lab is equipped with state-of-the-art technology to support your creative and professional projects, including a Laser Engraver; Banner, Sticker & Vinyl Printer; Bambu 3D Printers; LEF200 UV Printer (with Rotary Attachment); LEF300 Flatbed Printer; Heat Press; Direct-to-Garment (DTG) Printer; and an Embroidery Machine.



Our Woodshop is outfitted with a wide range of tools to support both beginner and advanced woodworkers, including Routers (which includes a CNC Router); Grinders; Lathes; Planer; Bandsaws; Miter Saws; Sanders and a full assortment of hand tools and to bring your woodworking ideas to life!

To get started, scan the QR code or visit <https://outlook.office.com/book/WMWMakerspace@allegany.edu/?ismsaljsauthenabed> to access the Makerspace Bookings page. From there, you may reserve a spot for our Makerspace Orientation. During the Orientation, you’ll receive a guided tour of the facility, an overview of our available equipment and tools, and the opportunity to enroll in a complimentary Basic Membership. Orientation and Basic Membership are completely free because we’re excited to help you get started! Once you become a Basic Member, you can choose the Active Membership term that best fits your needs—30 days \$40, 6 months \$220, or one year \$400. Then you’ll be ready for the next step: training! To ensure safe and proper use, Active Members must complete the required training session before operating any machines or equipment. A \$20 fee applies to each training session. In the Digital Fabrication Lab training sessions will include safety, proper machine operation and how to prepare and send



Career Development / Licensure & Certification

pre-made designs to our equipment. We provide a catalog of ready-to-use templates for your convenience; however, the training does not include instruction on creating original designs from scratch. Basic computer literacy is required. Active Members must complete the Intro to Woodshop training session, before using the Woodshop.

We also offer access to our Welding Lab and Machining Lab for Active Members who are qualified. If you're looking to build your skills, ACM Continuing Education has Welding and Machining Bootcamps available. Before using either lab, members must be approved by our Welding or Machining Instructor. Active Membership for the Welding Lab is available for \$75 per 30-day term. Active Membership for the Machining Lab is available for \$65 per 30-day term, with an additional usage fee of \$22 per hour.

Our mission is to empower you with the skills and knowledge to bring your own creative ideas to life. We are a makerspace dedicated to education and hands-on learning. Our technicians are here to support members and answer any questions so please feel free to seek their guidance as needed, but our technicians cannot be responsible for completing your project or provide extended technical assistance. **Please note that we do not create projects on behalf of members.**

