

2024-25 Dental Office Assisting Program

Dental Office Assistants Are in High Demand

This part-time Dental Office Assisting program prepares you for a career in the Dental industry in only 18 weeks. Using the "learn while you earn" model, our evening class allows you to work while you're taking classes. In this class, you will gain the fundamental skills of dental office work including room set up, sterilization, and patient care. This program is designed for anyone interested in learning more about the dental industry, for those considering a career change, or those currently working in an entry-level position and ready to expand their skills in the dental industry. Four hours of online work are expected weekly.

[Gainful Employment Data for Dental Assistants](#)

Program Requirements:

- High school diploma or equivalency,
- successful completion of TABE entrance assessment,
- access to internet-enabled device for completion of remote work, laptop or Chromebook recommended. Computers at CWD are available for students on select days and evenings

Note: In order to comply with NYSDOH vaccine mandates for healthcare institutions, employers may require vaccinations. It is the student's responsibility to know their potential employers' requirements.

Tuition: \$2,895

Program Length: 108 hours in person instruction + 72 hours online asynchronous = 180 hours, 18weeks

Schedule: Tuesdays and Thursdays 5:30 p.m. - 8:30 p.m. plus 4 hrs. of remote work per week (*Computers at CWD are available for students on select days and evenings.*)

Program Dates:

- Fall: 9/10/2024 - 1/28/2025
- Spring: 2/11/2025 - 6/24/2025

Location: BOCES 2 Career & Technical Education Center (WEMOCO)
3589 Big Ridge Road, Spencerport, NY 14559

Dress Code: Black scrubs and clean sneakers required.

- No clothing with offensive or inappropriate language or images.
- No open-toed or heeled shoes above ½ inch; no slippers, slides, or crocs.
- No dangling earrings, chains, bracelets, or necklaces (close fitting jewelry is ok).
- No loose or baggy clothing.
- Hair must be tied back and neat.
- No acrylic/artificial nails, or long nails. Nails must be trimmed and neutral in color or unpainted.
- No overbearing aromas, such as smoke (tobacco or marijuana), perfumes or colognes.

Supplies: *Safety glasses are required and will be provided.*

Individuals in need of assistance meeting dress code guidelines should seek support from the student services advisor. Some financial assistance may be possible. Email cwdinfo@monroe2boces.org for more information.

Employment Outlook: Dental Assistant (DA), Certified Dental Assistant (CDA), Related Instruction towards apprenticeship

For more information on Dental Assisting as a career, click [here](#).

Dental Office Assisting Career Services

CWD Expectations Regarding Employment

CWD will use its network of employers to help facilitate employment while enrolled in the program if the adult learner chooses to be employed while simultaneously attending class. CWD will refer the adult learner to dental offices in our network to explore opportunities. CWD cannot make specific guarantees of employment. CWD is not responsible for safety, wages, working conditions, and any and all other aspects of employment.

Adult Learner Expectations Regarding Employment

Adult Learners are expected to:

- Comply with all health and safety guidelines and abide by the employer's rules, regulations, and safety standards set by the employer.
- Demonstrate accountability and responsibility by notifying the employer and the CWD Instructor in advance of any absences or changes in status.
- Provide own means of transportation to and from their employer.
- Understand that as an employee the adult learner is a student in the CWD Dental Assisting Program and should conduct themselves appropriately.

[Dental Assisting Careers - Important Information](#)

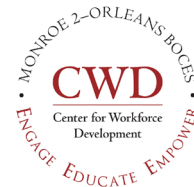
What Will I Learn?

Safety

- Infection Control
- All Applicable OSHA Regulations, Standards and Rules
- First Aid and CPR (6.5 hours)
- Equipment Safety Operating Practices
- Occupational Health and Safety Techniques following the Centers for Disease Control and Prevention

Trade Theory and Science

- Blood Borne Path
- Infection Control
- Sterilization
- Dental Terminology
- Dental Instrumentation
- Patient Communications Skills
- Basic Dental Anatomy (teeth and tissues)
- Dental Radiography Imaging
- Clinical Procedures, materials, and equipment



2024-25 Electrical Fundamentals for the Construction Trades Program

Plug into a New Career!

This **part-time Electrical Fundamentals for the Construction Trades** program will prepare you for many careers in residential and commercial electrical work in just 18 weeks. Using the "learn while you earn" model, our **evening** class allows you to work while you're taking classes. In this class, you will gain the fundamental electrical skills needed to begin an electrical career in construction. This program is designed for anyone interested in learning more about residential and commercial electrical systems, for those considering a career change, or for those currently working in an entry-level position and ready to expand their skills in the electrical industry.

Program Requirements:

- 18 years of age or older
- Successful completion of TABE entrance assessment
- HS diploma recommended, not required (note: employers may require a high school diploma)

Tuition: \$2,895 (special introductory price of \$399 extended for the 2024-25 school year!)

Dates:

- Fall: 9/10/2024 - 1/28/2025
- Spring: 2/11/2025 - 6/24/2025

Class Schedule: Tuesdays & Thursdays, 5:30 - 8:30 pm

Program length: 108 hours in person instruction + 72 hours of online coursework = 180 hours, 18 weeks.

Location: BOCES 2 Career & Technical Education Center (WEMOCO)
3589 Big Ridge Road, Spencerport, NY 14559

Dress code: Long pants (jeans are acceptable), a shirt that covers the torso (shoulders, waistline, and chest), and sneakers or boots. ***Wear clothing that can get dirty.***

- No metal rings or bracelets
- No clothing with offensive or inappropriate language or images.
- No open-toed or heeled shoes above ½ inch; no slippers, slides, crocs, loafers, boat shoes, or hey dude shoes.
- No dangling earrings, chains, bracelets, or necklaces (close fitting jewelry is ok).
- No loose or baggy clothing; no track pants, leggings, or sweats.
- Long hair must be tied back, and nails trimmed.

Supplies: *Safety glasses are required and will be provided.*

Employment Outlook: Electrician, Electrical repairperson, Powerline Installers, General Contractors, Construction workers, Maintenance Technicians

For more information on Electrical as a career, click [here](#).

What Will I Learn?

- Basics of Electricity
- Resistor Color Codes and Test Equipment
- Component Installation
- Electrical Components
- Junction Box Installation
- Conduit Bending
- Electrical Symbols
- Light Installation
- Electrical Meters & Testing Equipment
- AC/DC Theory
- Blueprint Reading and Floor Layout
- Basic Circuit Layout and Design
- National Electrical Code
- Grounding & Bonding

OSHA 10-Hour Safety

OSHA (Occupational Safety and Health Administration) 10-hour training will help educate workers to predict, prevent, identify, and stop possible common worksite hazards, and is required for many industry careers.

National Fire Protection Association (NFPA 70E) Credential

For electricians and other workers whose job responsibilities may expose them to electrical hazards. The coursework explains common electricity hazards, risk assessment strategies and NFPA resources on safe work practices for electrical work.

Alarm Technician Level 1 Certification

WNY Electronic Security Association offers this 22-hour online course positions students for most construction jobs where electrical work goes beyond standard system installations to security systems, sprinklers, etc. Industry partners have emphasized this expanded skill set as a required skill for entry level workers!

Introduction To Renewable Energy and Fundamental Math For Solar Applications

10-hour program from Solar Energy International including basic concepts behind renewable energy technologies and math skills for working in the industry.

2024-Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) Program

Don't Let Your Career Go Cold!

This **part-time HVAC/R program** prepares you for a career in the climate control industry in only 18 weeks. Using the "learn while you earn" model, our **evening** class allows you to work while you're taking classes. In this class, you will gain the fundamental skills of installing and maintaining heating, ventilation, air-conditioning, and refrigeration systems. This program is designed for anyone interested in learning more about climate control systems, those considering a career change, or those currently working in an entry-level position in the HVAC/R industry.

Program Requirements:

- 18 years of age or older
- Successful completion of TABE entrance assessment
- HS diploma recommended, not required (**Note:** employers may require a high school diploma)

Tuition: \$2,895

Dates:

- Fall: 9/10/24 - 1/28/25
- Spring: 2/11/25 - 6/24/25

Class Schedule: Tuesdays & Thursdays, 5:30 - 8:30 p.m.

Program length: 108 hours of in person instruction + 10 hours of online coursework = 118 total hours, 18 weeks.

Location: BOCES 2 Career & Technical Education Center (WEMOCO)
3589 Big Ridge Road, Spencerport, NY 14559

Dress Code: Long pants (jeans or khakis are acceptable), a shirt that covers the torso (shoulders, waistline, and chest), and sneakers or boots. ***Wear clothing that can get dirty.***

- No clothing with offensive or inappropriate language or images.
- No open-toed or heeled shoes above ½ inch; no slippers, slides, crocs, loafers, boat shoes, or hey dude shoes.
- No dangling earrings, chains, bracelets, or necklaces (close fitting jewelry is ok).
- No loose or baggy clothing; no track pants, leggings, or sweats.
- Long hair must be tied back, and nails trimmed.

Supplies: *Safety glasses are required and will be provided.*

Employment Outlook: HVAC Mechanic and Installer, Property Management Technician, or Residential, Municipal, Commercial Maintenance Technician

- For more information on HVAC as a career, click [here](#).

What Will I Learn?

- | | |
|----------------------------------|-------------------------------------|
| • Basic Refrigeration Systems | • Compressors and Metering Devices |
| • Heat Pumps | • Commercial Refrigeration |
| • Forced Air Heating | • Air Distribution |
| • Working with Tubing and Piping | • Thermostats |
| • Basic Electronics | • Compressors and Compressor Safety |
| • Hydronic Heating | • Air Quality |
| • Refrigerants | • AC Systems |
| • Electric Motors | • Domestic Installation |
| • Gas Fired Heating | |

OSHA 10 General

OSHA (Occupational Safety and Health Administration) 10-hour training will help educate workers to predict, prevent, identify, and stop possible common worksite hazards and is required for many industry careers.

EPA 608 Certification

This certification exam is designed to educate HVAC technicians on various methods and refrigeration products, providing a safe and eco-friendly outcome with each service.

2024-25 Industrial and Mechanical Electrical Program

Power Up Your Future!

Industrial and Mechanical Electrical program prepares you for a career in the electrical industry in only 18 weeks. Using the "learn while you earn" model, our **evening class** allows you to work while you're taking classes. In this class, you will gain the fundamental skills of routine maintenance using the National Electrical Code, how to utilize electrical/electronic skills in a manufacturing environment including PLCs, AC and DC motors and drives, and schematics, and troubleshooting different motors, equipment, wiring, fixtures, and other components.

Program Requirements:

- 18 years of age or older
- Successful completion of TABE entrance assessment
- HS diploma recommended, not required (note: employers may require a high school diploma)

Tuition: \$2,895 (special introductory price of \$399 extended for 2024-25 school year!)

Dates:

- Fall: 9/10/24 - 1/28/25
- Spring: 2/11/25 - 6/24/25

Class Schedule: Tuesdays & Thursdays, 5:30 - 8:30 pm

Program length: 108 hours of in person instruction + 36 hours of online coursework = 144 total hours; 18 weeks

Location: BOCES 2 Career & Technical Education Center (WEMOCO)
3589 Big Ridge Road, Spencerport, NY 14559

Dress Code: Long pants (jeans are acceptable), a shirt that covers the torso (shoulders, waistline, and chest), and sneakers or boots. ***Wear clothing that can get dirty.***

- No metal rings or bracelets
- No clothing with offensive or inappropriate language or images.
- No open-toed or heeled shoes above ½ inch; no slippers, slides, crocs, loafers, boat shoes, or hey dude shoes.
- No dangling earrings, chains, bracelets, or necklaces (close fitting jewelry is ok).
- No loose or baggy clothing; no track pants, leggings, or sweats.
- Long hair must be tied back, and nails trimmed.

Supplies: Safety glasses are required and will be provided.

Employment Outlook: Industrial machinery mechanic, Mechanical maintenance technician, Union/Apprenticeship, Industrial maintenance technician

For more information on Industrial and Mechanical Electrical as a career, click [here](#).

What Will I Learn?

- National Electrical Code
- Programmable Logic Controllers
- AC/DC Motor and Drives
- Schematics
- Troubleshooting Motors
- Wiring

OSHA 10 General Safety

OSHA (Occupational Safety and Health Administration) 10-hour training will help educate workers to predict, prevent, identify, and stop possible common worksite hazards, and is required for many industry careers.

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2024-25 Machining Fundamentals Program

Where Technology Meets Craftsmanship

The **part-time Machining Fundamentals program** is designed to jumpstart your career in the machining industry in just 18 weeks. Leveraging a "learn while you earn" model, our evening classes cover essential topics including blueprint reading, machine shop math, drilling, tapping, and reaming. You'll also earn an industry-recognized OSHA-10 certification and gain hands-on experience with the lathe, mill, and other machines, and the basics of CNC machining.

This program features a hybrid learning model, combining practical skills training in the machining lab with remote learning hours that count towards an apprenticeship. It's tailored to fit around your daytime job, so you can maintain employment while completing the course.

Discover if machining is the right career for you, receive comprehensive training in key aspects of the trade, connect with local employers, and build a network that sets you on the path to a successful career.

Program Requirements:

- 18 years of age or older
- successful completion of TABE entrance assessment
- HS diploma recommended, not required (*note: some employers may require a high school diploma - if desired, you can earn your [High School Equivalency](#) diploma for free at the same time*)

This program is ideal for students with:

- a mechanical aptitude
- attention to detail
- mathematical ability
- technical skills
- problem solving

Manual dexterity is also a strong component of this program and the manufacturing industry. Safety is key and physical stamina is a must.

Tuition: \$2,895 (10 \$2500 scholarships available - apply today!)

Dates:

- Fall: 9/10/2024 - 1/28/2025
- Spring: 2/11/2025 - 6/24/2025

Class Schedule: Tuesdays & Thursdays, 5:30pm - 8:30pm

Program Length: 108 hours of in person instruction + 25 hours of online work = 133 hours; 18 weeks

Location: BOCES 2 Career & Technical Education Center (WEMOCO)
3589 Big Ridge Road, Spencerport, NY 14559

Dress Code: Long pants (jeans are acceptable), a shirt that covers the torso (shoulders, waistline, and chest), and sneakers or boots.

- No clothing with offensive or inappropriate language or images.
- No open-toed or heeled shoes above ½ inch; no slippers, slides, or crocs.
- No dangling earrings, chains, bracelets, or necklaces (close fitting jewelry is ok).
- No loose or baggy clothing; no track pants, leggings, or sweats.
- Long hair must be tied back, and nails trimmed.

Employment Outlook: Work as a machinist in various industries including automotive, aerospace, medical devices, defense, electronics, and manufacturing. Entry-level positions include machinist/machine operator, tool and die or mold maker, and machine setter. This course also fulfills apprenticeship related instruction requirements.

For more information on Machining as a career, click [here](#) and see below.

Pathways Forward

After completing this program, students can pursue:

- entry-level employment and/or engagement in an apprenticeship program
- additional career training opportunities like Welding or Industrial and Mechanical Electrical to increase employability skills, or engage in specialized training or certification
- a two- or four-year degree

What Will I Earn?

Certificate of Completion

Students who successfully finish this program will receive a certificate of completion verifying completion of 108 instructional hours.

Technical Skills

Students will complete a Compressed Air Steam Engine Project (CASE Project) to transfer trade theory and science into hands on learning. Topics include:

- Machine Shop Safety
- Blueprint Reading and Drawing
- Machine Shop Math
- Trade Theory and Science
- Lathe & Mill
- Precision Measurements
- Drilling, Tapping, Reaming
- Introduction to CNC Machining
- Machine Repairs and Maintenance

At the conclusion of the program, students will receive an individualized *Employability Profile* indicating the technical proficiencies and work-ready skills the individual demonstrated in class.

OSHA 10 General Safety (10 hours)

OSHA (Occupational Safety and Health Administration) 10-hour training will educate workers to predict, prevent, identify and stop possible common worksite hazards, and is required for many industry careers. *Students will receive an OSHA 10 card verifying completion of the 10-hour training.*

ToolingU Manufacturing Training (15 hours)

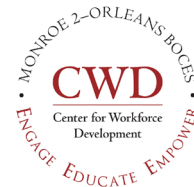
Students are required to complete 14 modules of ToolingU online instruction. ***Students are encouraged to print certifications for the completed ToolingU modules to verify their knowledge gained and additional related instruction hours.***

REQUIRED TOOLINGU MODULES:

- | | |
|--|--|
| • <i>Math Fundamentals 101</i> | • <i>Engine Lathe Setup 231</i> |
| • <i>Units of Measurement 112</i> | • <i>Benchwork and Layout Operations 241</i> |
| • <i>Prints for Metal Cutting Operations 241</i> | • <i>Band Saw Operation 221</i> |
| • <i>Shop Geometry Overview 170</i> | • <i>Overview of Deburring Processes 251</i> |
| • <i>Manual Mill Basics 201</i> | • <i>Speed and Feed for the Lathe 301</i> |
| • <i>Engine Lathe Basics 211</i> | • <i>Speed and Feed for the Mill 331</i> |
| • <i>Manual Mill Setup 221</i> | • <i>Drill Tool Geometry 371</i> |

OPTIONAL

Additional modules/hours are available to be completed outside of the machining class requirement to expand upon learning and increase related instruction hours. Students are encouraged to print copies of these certifications as well.



2024-25 Manufacturing Technician Program

Get the Process Started

This new class has been created in collaboration with local employers to fill the hiring needs of many new jobs in Monroe County in 2024 and beyond. Our **part-time Manufacturing Technician program** prepares you for a career in the process technology industry in only 18 weeks. Using the "learn while you earn" model, our **evening** class allows you to work while you're taking classes. In this class, you will gain the fundamental skills of industrial processes in various industries including chemical process, physical processes, and food production. Students will gain knowledge in the basics of the field including pumps, valves, drums, vessels, process industry technology, and process control instrumentation. This course is designed for anyone looking for a start in a new, growing field with more opportunities opening in the Finger Lakes region over the next few years.

Program Requirements:

- 18 years of age or older
- Successful completion of TABE entrance assessment
- HS diploma recommended, not required (note: employers may require a high school diploma)

Tuition: \$2,695 (**FREE** for 2024-25 school year!)

Dates:

- Fall: 9/10/24 - 1/28/25
- Spring: 2/11/2025 - 6/24/2025

Class Schedule: Tuesdays & Thursdays, 5:30 - 8:30 p.m.

Program length: 108 hours of in-person instruction + 10 hours of online coursework = 118 hours; 18 weeks

Location: BOCES 2 Career & Technical Education Center (WEMOCO)

3589 Big Ridge Road, Spencerport, NY 14559

Dress Code: Long pants (jeans or khakis are acceptable), a shirt that covers the torso (shoulders, waistline, and chest), and sneakers or boots. ***Wear clothing that can get dirty.***

- No clothing with offensive or inappropriate language or images.
- No open-toed or heeled shoes above ½ inch; no slippers, slides, crocs, loafers, boat shoes, or hey dude shoes.
- No dangling earrings, chains, bracelets, or necklaces (close fitting jewelry is ok).
- No loose or baggy clothing; no track pants, leggings, or sweats.
- Long hair must be tied back, and nails trimmed.

Supplies: *Safety glasses are required and will be provided.*

Employment Outlook: Industrial Process Technician, Industrial Manufacturing Technician, Industrial Operator I, II, III, Lead Operator, Senior Operator

For more information on what Manufacturing Technician could look like as a career, click [here](#).

What Will I Learn?

- Technical Reading
- Safety, Health, and the Environment
- Industrial Hygiene
- Overview of the Process Technology Industry
- Piping and Valves
- Tanks, Drums, and Vessels
- Pumps
- Process Control Instrumentation
- Process Utilities

OSHA 10 Certification

OSHA (Occupational Safety and Health Administration) 10-hour training will help educate workers to predict, prevent, identify, and stop possible common worksite hazards, and is required for many industry careers.

2024-25 Phlebotomy and Lab Services Program

Phlebotomy: Sticks That Save Lives

In just 18 weeks, this **part time** program will prepare you for a career in Phlebotomy or will add an enhanced skill level for those now working in the healthcare field. This course will qualify you to work in medical labs, hospitals, clinics, donor facilities, and more. Using the 'learn while you earn' model, this evening class allows you to work while taking classes. Course work will include patient preparation for routine venipuncture and dermal punctures, specimen handling and transport, confidentiality and HIPAA regulations, extensive anatomy and physiology knowledge and terminology, infection control and safety procedures, non-blood collection procedures, and critical thinking and analytical skills.

PLEASE NOTE:

- ***Starting within the first few days of class, phlebotomy students will be required to perform venipunctures (blood draws on veins) on live people.***
- ***During the first several weeks of class, this will require phlebotomy students to draw the blood of other phlebotomy students in class.***
- ***After the first several weeks, phlebotomy students will be asked to bring in their own volunteers to draw their blood. Those volunteers will be required to sign a waiver for every time they volunteer as a blood draw "patient" for their phlebotomy student.***

Prerequisites:

- 18 years of age or older
- Proof of high school diploma or equivalency (to see our diploma requirements, please visit the [program policies page](#))
- Successful completion of TABE entrance assessment

Tuition: \$2,895, includes books

Dates:

- Fall: 9/10/24 - 1/28/25
- Spring: 2/11/25 – 6/24/25

Class Schedule: Tuesdays and Thursdays; 5:30 – 8:30 p.m.

Program length: 108 in person hours of instruction, 18 weeks (plus 2-3 hours of homework each week)

Location: BOCES 2 Career & Technical Education Center (WEMOCO)
3589 Big Ridge Road, Spencerport, NY 14559

Dress code: Professional/business casual attire; scrubs are ideal but not required; a shirt that covers the torso (shoulders, waistline, and chest) and comfortable closed-toe shoes.

- No clothing with offensive or inappropriate language or images.
- No open-toed or heeled shoes above ½ inch; no slippers, slides, or crocs.
- No dangling earrings, chains, bracelets, or necklaces.
- No loose or baggy clothing
- Hair must be tied back and neat
- No acrylic/artificial nails, or long nails. Nails must be trimmed and neutral in color or unpainted.
- No overbearing aromas, such as smoke (tobacco or marijuana), perfumes or colognes.

Supplies: Pens, pencils, highlighters, 1 subject notebook, and index cards. *Safety glasses are required and will be provided.*

Employment Outlook: Phlebotomist, Phlebotomy Technician

- For more information about phlebotomy employment, click [here](#).

What Will I Learn?

- The role of the phlebotomist in the healthcare setting
- Safe collection and preparation of blood and body fluid specimens
- Legal and ethical standards for the phlebotomist
- Medical / Anatomy terminology

2024-25 Residential Construction Program

Build a New Future!

This **part-time** Residential Construction program prepares you for a career in the Construction industry in only 18 weeks. Using the "learn while you earn" model, our **evening** class allows you to work while you're taking classes. In this class, you will gain the fundamental skills of blueprint reading, framing, roofing, insulation, siding, windows, doors, basic electrical, and basic plumbing. This program is designed for anyone interested in learning more about construction, for those considering a career change, or those currently working in an entry-level position and ready to expand their skills in the construction industry.

Program Requirements:

- 18 years of age or older
- Able to complete the physical demands of the training (ability to lift 50 lbs).
- Successful completion of TABE entrance assessment
- HS diploma recommended, not required (note: employers may require a high school diploma)

Tuition: \$2,895

Dates:

- Fall: 8/13/24 – 12/17/24 (please note early start date)
- Spring: 2/11/25 - 6/24/25

Class Schedule: Tuesdays & Thursdays, 5:30 - 8:30 pm

Program length: 108 hours of in-person instruction + 10 hours of online coursework = 118 hours; 18 weeks

Location: BOCES 2 Career & Technical Education Center (WEMOCO)
3589 Big Ridge Road, Spencerport, NY 14559

Dress Code: Long denim or canvas pants, a shirt that covers the torso (shoulders, waistline, and chest), and sneakers or boots. ***Wear clothing that can get dirty.***

- No clothing with offensive or inappropriate language or images.
- No open-toed or heeled shoes above ½ inch; no slippers, slides, crocs, loafers, boat shoes, or hey dude shoes.
- No dangling earrings, chains, bracelets, or necklaces (close fitting jewelry is ok).
- No loose or baggy clothing; no track pants, leggings, or sweats.
- Long hair must be tied back, and nails trimmed.

Supplies: *Safety glasses are required and will be provided.*

Employment Outlook: Entry Level Construction Technician, Property Management Technician, or Residential, Commercial, or Municipal Maintenance Technician.

- For more information on construction as a career, click [here](#).

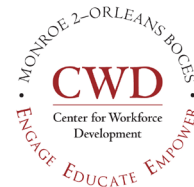
What Will I Learn?

- | | |
|-------------------------|----------------------|
| • Blueprint reading | • Siding |
| • Framing | • Windows and Doors |
| • Insulation | • Interior Finishing |
| • Roofing | • Basic Electrical |
| • Power Tools | • Basic Plumbing |
| • Measuring and Marking | |

OSHA 10 Certification

OSHA (Occupational Safety and Health Administration) 10-hour training will help educate workers to predict, prevent, identify and stop possible common worksite hazards, and is required for many industry careers.

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2024-25 Welding Program

Blend Art and Science. Begin a Career in Welding!

This **part-time Welding program** prepares you for a career in the welding industry in only **18 weeks**. Using the "learn while you earn" model, our **evening** class allows you to work while you're taking classes. Common industry standard processes of Shielded Metal Arc Welding (SMAW-Stick), Gas Tungsten Arc Welding (GTAW-TIG), and Gas Metal Arc Welding (GMAW-MIG), as well as plasma arc and oxy-acetylene cutting are covered. This class is designed for anyone interested in learning more about welding, those considering a career change, and/or those currently in the field who are looking to upskill.

Program Requirements:

- 18 years of age or older
- Successful completion of TABE entrance assessment
- HS diploma recommended, not required (note: employers may require a high school diploma)

Tuition: \$2,895

Dates:

- Fall: 9/10/24 - 1/28/25
- Spring: 2/11/25 - 6/24/25

Class Schedule: Tuesdays & Thursdays, 5:30 - 8:30 p.m.

Program length: 108 hours of in-person instruction + 10 hours of online coursework = 118 hours, 18 weeks

Location: BOCES 2 Career & Technical Education Center (WEMOCO)
3589 Big Ridge Road, Spencerport, NY 14559

Dress Code: 100% cotton jeans (no polyester mix), a 100% cotton or FR2 Rates shirt that covers the torso (shoulders, waistline, and chest), a 100% cotton welding cap (to protect hair and head area from burns), a welding helmet (fixed minimum shade of 10 or autoshade), welding gloves (gauntlet style protecting the hand and forearm), and steel or composite toe leather boots. ***Wear clothing that can get dirty.***

- No clothing with offensive or inappropriate language or images.
- No open-toed or heeled shoes above ½ inch; no slippers, slides, crocs, loafers, boat shoes, or hey dude shoes.
- No dangling earrings, chains, bracelets, or necklaces (close fitting jewelry is ok).
- No loose or baggy clothing; no track pants, leggings, or sweats.
- Long hair must be tied back, and nails trimmed.

Supplies: *Safety glasses are required and will be provided.*

Individuals in need of assistance meeting dress code guidelines should seek support from the student services advisor. Some financial assistance may be possible. Email cwdinfo@monroe2boces.org for more information.

Employment Outlook: Entry level Welder, Related Instruction for apprenticeship

For more information about welding employment, click [here](#).

What Will I Learn?

- Gas Metal Arc Welding (MIG)
- Plasma Arc Cutting
- Macro Etching
- Shielded Metal Arc Welding (Stick)
- Types of Gasses
- Discontinuities
- Flux-core Arc Welding (FCAW)
- Blueprint Reading
- Gas Shielding
- High Frequency Pulsed Gas Metal Arc Welding (GMAW-P)
- Basic Circuit Layout and Design
- Sample Grinding
- Gas Tungsten Arc Welding (TIG)

- Sheet Metal Welding
- Steel and Aluminum Welding
- Oxyacetylene Cutting
- Joint Designs
- Filler Rods