Welding Technology

Fall or Spring

Mondays, Tuesdays & Wednesdays 6 – 9 pm
12 weeks

Training Cost: $1800 - Free to Qualified Applicants

- **Cost includes certification cost and some class supplies**
- **Students must wear long-sleeved shirt, jeans, work boots – no athletic wear**

Grant Information:

- **Grants are not competitive, everyone who qualifies gets the grant to cover the cost of the class.**
- **Grants are designed for workforce development, to start or enhance your career path.**
- **Students must complete a TABE assessment and earn qualifying scores.**
- **Attending the class orientation, signing a student contract & attendance agreement and completing an online employability skills program is required.**

Welding Technology Course Description

This course is designed for all skill levels, from beginners to those who have some training and wish to achieve high skill levels for structural welding with steel. Students will learn foundational knowledge that relates to gas metal arc welding (GMAW or MIG), including safety practices, gas identification and basic blueprint reading. In addition, students will learn to perform routine equipment maintenance, identify and weld the five basic types of joints and describe constant voltage and wire feed processes.

An American Welding Society D1.1 Structural Welding – Steel certification will be earned by students who complete the class and demonstrate the required welding skills. This is an entry-level basic certification that shows the student is professional, has efficient work habits and the necessary skills to become a well-equipped welder. AWS D1.1 is the most commonly used welding code in the U.S. and is used as the primary quality standard for many projects involving steel welding. Go to: careersinwelding.com and aws.org for more information on welding careers.

Career Pathway

Start your career in an industry that's on the move. You can break into the industry through education, apprenticeships or on-the-job training. Demand for qualified welders is at an all-time high. The skills you learn as a welder offer seemingly unlimited possibilities for further specialization. From basic fabrication to advanced robotics, modern welders blend trade skills with technology to work smarter, not just harder. Learn the basics, then explore the many opportunities available to a trained welder!

INTERESTED IN THIS CLASS? Go to https://centralnineadulted.org/careers/ to register.

Central Nine Career Center Adult Education
1999 US 31 S, Greenwood IN 46143 /317-888-4401 x222

IMPORTANT TO KNOW

- Perfect attendance is the goal! 80% or higher is required to receive a certificate of completion. Getting as much time in the welding lab as possible gives you practice to gain the valuable welding experience you need to have the career you want.
- Students should bring their own welding helmet to class, other needed tools and equipment are available in the classroom/lab.
- When purchasing a welding helmet, try on and check your field of vision, make sure you can see well (cheaper models might prove difficult). Auto-darkening is best.
- Welders need to have the ability to work in loud, hot, enclosed spaces. Welders need strength and stamina.
- IMPORTANT HEALTH WARNING: All students are encouraged to consult with their physicians to confirm that their physical condition is suitable for this class, including but not limited to those with pacemakers, who may be at particular risk.

WELDER FAST FACTS

- Hourly Salary Range for entry-level welders in Indiana is $15 - $20. Experienced welders can make $$30 - $42++ an hour. Union Journeyman rate starts at $35 an hour (after a 4-year apprenticeship). Rates can vary within different industries.
- Welders are exposed to a number of hazards, including very hot materials and the intense light created by the arc.
- Welders wear safety shoes, goggles, masks with protective lenses, and other devices designed to prevent burns and eye injuries and to protect them from falling objects.
- Automated welding, soldering, and brazing machine operators are not exposed to as many dangers, and a face shield or goggles usually provide adequate protection for these workers.
- Welders and cutters may work outdoors, often in inclement weather, or indoors, sometimes in a confined area designed to contain sparks and glare. Outdoors, they may work on a scaffold or platform high off the ground. In addition, they may be required to lift heavy objects and work in a variety of awkward positions while bending, stooping, or standing to perform work overhead.

Essential Skills Important to Employers:
Attention to Detail / Work Ethic / Information Gathering / Following Directions / Professionalism

Why earn a welding certification?
Welding is high-demand, high wage career. The skills you develop as a welder can lead you down several paths and those skills are also portable and recession-resistant. Welders can advance to more skilled welding jobs with additional training and experience. For example, they may become welding technicians, supervisors, inspectors or instructors. Some experienced welders open their own repair shops. Other welders, especially those who obtain a bachelor's degree or have many years of experience, may become welding engineers.

Although about 52 percent of welders, solderers, and brazers work a 40-hour week, overtime is common, and some welders work up to 70 hours per week. Welders also may work in shifts as long as 12 hours. Some welders, solderers, brazers, and machine operators work in factories that operate around the clock, necessitating shift work.

Because welding is an essential component to so many industries and art forms, the demand for welders is at an all-time high. There are countless opportunities in a variety of industries that lead to lucrative and rewarding careers.