



Welding Technology

Mondays, Tuesdays & Wednesdays 6 – 9 pm
12 weeks

Training Cost: \$1400 - Free to Qualified Applicants

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

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 sheet metal and structural plate certifications. Using the American Welding Society SENSE program, students are trained using knowledge-based assessments, workmanship sample procedures, and performance qualification tests to earn a SENSE Entry Welder credential.

Welding emphasizes hands-on learning for adult students to become skilled in structural welding with the use of SMAW/stick (shield metal arc welding), GMAW/MIG (gas metal arc welding), and GTAW/TIG (gas tungsten arc welding). Typically, a SENSE Level 1: Entry Welder Certification in MIG can be obtained by attending one session and additional Entry Welder Certifications by attending multiple course sessions. Related areas covered include tool and equipment safety, oxyfuel and plasma cutting, and proper grinding techniques.

Go to: careersinwelding.com, aws.org and senseonline.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!

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

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 are required to bring their own welding helmet and TIG gloves to class, other needed tools and equipment are available in the classroom.
- 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

- Annual Salary Range for welders in Indiana is \$27,000 - \$53,000.
- 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.