



**Welding Technology Program**  
**Class Starts 01/05/27 and Ends 3/24/27**  
**Tuesdays and Wednesdays 5:30-8:30PM**



**COURSE OFFERED:**

**Welding Technology** - 12-Week Program

**\$2,400**

**Gas Tungsten & Gas Metal Arc Welding (TIG & MIG)**

Please see course description on page 2 (on back page)

**ORIENTATION & REGISTRATION INFO:**

Register online at [www.edenrop.adultprograms.org](http://www.edenrop.adultprograms.org)  
click on Programs, Welding, and Apply Now. When registering, please be  
sure to read the Orientation Page, and submit a payment

**WHAT YOU NEED TO KNOW:**

Course Day & Time: TIG & MIG Welding

**Tuesdays & Wednesdays, 5:30PM — 8:30PM**  
01/05/27 — 03/24/27

No class Veteran's Day 11/11

What You Will get: Certificate of Class Completion (contingent on 95%  
attendance & a grade of C or better)

Costs: \$2,400 (includes a non-refundable \$70 registration  
fee). Full payment or partial payment of \$1,225 is  
required at registration, and \$1,200 (including a \$25 a  
administrative fee) is due at half way mark of the  
Class 10/6/26.

Registration: Register and pay online with debit or credit card at  
[www.edenropadultprograms.org](http://www.edenropadultprograms.org), click on Programs,  
click on Welding, Click on Apply Now. Please be sure  
to read the Orientation Page and submit a payment.  
Seats are available on first come first serve basis.

**Course date, time, and fees are subject to change without notice.**

No financial aid is available including FAFSA.

Scholarships for qualified HPN residents, call to inquire

For questions or to register, please contact us at:

(510) 293-2910 • [adultinfo@edenrop.org](mailto:adultinfo@edenrop.org)

Adult Education Office (Room C12) • 26316 Hesperian Blvd.

Hayward, CA 94545 • [www.edenrop.org](http://www.edenrop.org)

Gated parking lot located in the back of school passed the end of Kay Avenue

Our hands-on welding technology course is designed to instruct and give practice time with GMAW, GTAW, and SMAW. Students will have hands-on training in the welding booths and access to a variety of other metal shop equipment. We expose students to different materials and scenarios preparing them for a position as an entry-level technician. In addition to 72 hours of machine time, students will learn:

- Knowledge of process and procedures
- Welding safety and personal protective equipment
- Equipment setup, maintenance, and basic troubleshooting
- Blueprint interpretation and symbol reading
- Metal/ gas selection and preparation
- Plasma metal cutting Techniques
- Welding techniques and identify welding defects

### **MIG Welding GMAW (Gas Metal Arc Welding)**

GMAW, commonly known as MIG welding, is an extremely versatile process for joining metal. Students will have “hands-on” practice with Miller MIG welding machines.

Classroom learning and shop training on technical topics of GMAW include:

- Metal preparation, torch manipulation, welding technique, shielding gases
- Weld positions: welding steel in flat, horizontal, vertical
- Weld joints: Proper techniques for welding "tee", "lap", "corner", "butt", and "edge"
- Identifying welding distortion, defects, causes and cures
- Choosing proper filler metal alloy and size for the job
- Techniques for MIG welding thin sheet metal
- Plasma cutting equipment and proper cutting techniques
- Abrasives and metal finishing applications: products and safety

### **TIG Welding GTAW (Gas Tungsten Arc Welding)**

Classroom learning and shop training on technical topics of GTAW include:

- Proper tungsten selection, preparation, and sizes.
- Learn Identification and Safety procedures for shielding gases.
- Safe handling and set up of gas regulators, cylinders.
- Learn how to strike and maintain an arc that results in a correctly sized and placed weld bead.
- Metal preparation, torch manipulation, welding technique, shielding gases, Tungsten selection and sharpening
- Weld positions: F1, F2, and welding steel in flat, horizontal, vertical.
- Weld positions: G1, G2, and material and Rod selection
- Weld Joints: Proper techniques for welding "tee", "lap", "corner", "butt", and "edge"
- Identifying welding distortion, defects, causes and cures
- Plasma cutting equipment and proper cutting techniques
- Abrasives and metal finishing applications: products and safety

### **Stick Welding SMAW (Shield Metal Arc Welding)**

Classroom learning and shop training on technical topics of SMAW include:

- Electrode Selection
- Learn proper Technique
- Identifying welding distortion, defects, causes and cures
- Weld positions: welding steel in flat, horizontal, vertical