

# Welding II



**Prerequisite:** Welding I

**Course:** 1814CA/1814CB    **Credits:** 2    **Length:** 36 weeks    **Placement:** 11-12

## Course Description

Advanced Welding builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

## Student Activities

Students will be instructed in advanced skills in the following areas:

- Shielded Metal Arc Welding (SMAW)
- Gas Metal Arc Welding (GMAW)
- Flux Cored Arc welding (FCAW)
- Gas Tungsten Arc Welding (GTAW)
- Oxy-Acetylene cutting and welding
- Plasma cutting
- Project design and fabrication
- Working individually and in groups
- Employability and careers in Manufacturing
- Academic skills used in Welding

## Certifications

AWS D1.1 Certification Possible

Student Cost: \$84

OSHA Certification Possible

Student Cost: \$24

Certification paid for by CTE if student has an 80+ GPA in course and passes a practice test

## Additional Considerations

Students need fine motor skills and mobility. Students handle sharp objects and use dangerous equipment. If seeking certification, curriculum cannot be modified.

## TCC Dual Credit Opportunity



TCC WLDG 1428 Introduction to Shielded Metal Arc Welding AND TCC 1430 Introduction to Gas Metal Arc Welding can be taken concurrently with this class. There is no TSI requirement, but students must register and pay tuition by TCC deadline.