

# WELDING TECHNICIAN *Full Year*

## Skilled and Technical Sciences



Instructor: Dalton Magee

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**PROGRAM DESCRIPTION:** The skills and experience gained in this class will prepare you for the careers of the future. The demand for skilled welders is at an all-time high. Students will gain skills in a range of welding processes including SMAW, FCAW, GMAW, and GTAW. Cutting processes including oxy-fuel, plasma and mechanical cutting will be used. Project creation, design, and layout will be emphasized. This course can prepare you for a welding career, or it can open opportunities to better summer and college jobs and a career to fall back on. Employability skills are a high priority. This means being on time, attending consistently, working with others, and following safety procedures.



**High School Credit:** CTE credit or elective credit: Up to 4 credits  
**Concurrent Enrollment:** 7 college credits available. Student is responsible to register and pay for concurrent enrollment classes through SLCC (1<sup>st</sup> semester) and Weber State (2<sup>nd</sup> Semester). For more information on these classes, see Appendix.  
**Skills Certification:** Utah State Skills Certificates and AWS SENSE certification opportunity.  
**Additional Opportunities:** Participate in SkillsUSA competitions and leadership roles.  
**Recommended:** This class is for any student who enjoys working and learning in a hands-on environment. No prior welding experience needed.

### COURSE DESCRIPTIONS:

**Entry Welding Technician (WLD 1005):** This is an entry level course that will teach basic welding skills. This course will prepare students to apply technical knowledge and skill in the workplace and in project construction. SMAW and GMAW welding will be the main welding processes covered in this portion of the class.

**Intermediate Welding Technician (MFET 2153):** This is an intermediate level course that will teach the next level of welding skills. This course will dive deeper in the GMAW process along with FCAW. How to plan, prepare, and construct projects will be covered.

**Advanced Welding Technician (MFET 2670):** This is an advanced welding skills course. This course will teach students the processes that will prepare them to apply technical knowledge and skill in the workplace and in project construction. A focus on project creation, structural welding and refining welding techniques will be the main focus. An introduction to the GTAW process will also be covered.

**Costs/Fees for the 2023-2024 school year:** Pending school board approval.

## Career Possibilities:

Welding Technician  
Welding Repair Technician

Welding Engineer  
Welding Salesman

Welding Inspector  
Welding Instructor



*"I believe that in joining welding, I have greatly improved my future in many fields and I will almost never have financial troubles". Shawn*

*"Taking the welding class has helped me a lot. I have learned skills that will help me throughout my life. I am very glad to have taken the class". Austin*

*"Taking this class has been a very good experience for me. I have learned valuable life skills and more". Anthony*

*"Welding is an invaluable skill. There are many job opportunities for a certified welder. Welding is all over the world and in many fields such as underwater and construction. Welding teaches patience and control. It truly is a valuable skill to learn". Caleb*

