

WELDING TECHNICIAN – Introduction *SEMESTER*

Skilled and Technical Sciences



Instructor: Dalton Magee

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ENTRY WELDING DESCRIPTION: This introductory course in welding provides students with hands-on experience in fundamental welding skills and techniques. Students will be introduced to the four primary welding processes—GMAW, SMAW, GTAW, and FCAW—as well as cutting methods including oxy-fuel, plasma, and mechanical cutting. They'll also explore various career paths in the welding industry to help them assess whether welding might be a career they wish to pursue. For those interested, this course will prepare them for further study in the Advanced Welding class. Alongside technical skills, employability skills such as punctuality, consistent attendance, teamwork, and strict adherence to safety protocols are emphasized throughout the course and critical to be successful.

Course Length: 1 Semester (A day **OR** B day, for 2 class periods)

High School Credit: 1 CTE or Elective Credit

Concurrent Enrollment: 3 college credits. Student is responsible to register and pay for concurrent enrollment classes at SLCC. For more information on these classes, see Appendix.

Skills Certification: Utah Entry Level Welder State Skill Test

Recommended: Any student who enjoys working and learning in a hands-on environment. No prior welding experience required.

Class Focus: Safety, introduction to welding fundamentals. This is an exploratory course.

Fees & Equipment: Estimated at \$100 required fee + safe work clothes and boots.



COURSE DESCRIPTION:

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

Costs/Fees for the 2025-2026 school year: Subject to change and are 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

