

WELDING

The Welding Program offers the academic and practical skills needed for those seeking to advance their current positions, or gain a new and exciting career, or to learn a new hobby. The most common electric arc welding processes used in today's industry are covered including **GMAW**, GTAW, SMAW, Inner Shield, and Dual Shield. **The proper use of metal working equipment and various fabrication techniques** are included. Students will gain the technical and hands-on knowledge to work with ferrous or non-ferrous metals in various positions and configurations. Students can **achieve** Certificates of Achievement, nationally recognized American Welding Society (AWS) welding certificates and the Associate in Science degree in Welding.

Important: To obtain the Associate in Science Degree in Welding, students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- The Welding major requirements below.
- The College of the Siskiyous General Education pattern (COSGE) requirements.
- Any needed electives to reach a total of 60 COS degree applicable units.
- All major courses and any courses noted on the COS check sheet must be completed with a C or better.

Requirements for the Major

Complete the following: ----- 20 units

- WELD 1101- Beginning Welding (3)
- WELD 1102- Advanced Welding (3)
- WELD 1103- Metal Fabrication (3)
- WELD 1104- Gas Metal Arc Welding(3)
- WELD 1105- Gas Tungsten Arc Welding (3)
- WELD 2101- Weld Qualification (3)
- WELD 2102- Advanced Welding Applications (2)

Complete **one** of the following: ----- 3 units

- CSCI 1001- Introduction to Computer Science (3)
- CSCI 1020- Introduction to Computer Application (3)

Total Units ----- **23**

Students will have the opportunity to receive certification in advanced positional welds, tungsten welds and wire welding processes upon completion of the 4th semester of welding leading to the Associate in Science degree.