

## WELDING

### PROGRAMS

- Associate of Science (A.S.)
- Certificate of Achievement

#### DESCRIPTION

The Welding Technology program provides students with entry- and advanced-level employment skills in welding and metalworking techniques that are relevant to the needs of local employers and industries.

The program provides training in a variety of welding methods including SMAW, GTAW, GMAW and FCAW. Advanced level courses in plate and pipe welding prepare students for American Welding Society welding certification testing. The program offers courses in sheet metal fabrication and welding fabrication that focus on print reading and metalworking skills. In addition, courses are offered in architectural/ornamental ironwork fabrication, as well as toolmaking and hardfacing techniques that are used in the construction and agriculture industries.

Job opportunities for students in this area include machine shop welder, autobody worker, sheet metal worker, structural and ironwork welder, maintenance welder, pipe welder, and agricultural welding and fabrication.

As a result of ongoing changes in technology, the need to expand competencies, and changing transfer requirements, certificate and degree requirements may also change. If you note changes in degrees or certificate requirements, or if courses are not offered in a particular semester, please consult with a counselor or faculty on how best to complete the program in which you are enrolled.

#### LEADS TO CAREER OPPORTUNITIES SUCH AS:

- Aerospace
- Agriculture
- Automotive Manufacturer and Repair
- Chemical Processing
- Construction
- Cutter
- General Manufacturing
- Oil and Gas Extraction
- Plumbing and Pipe Welding
- Underwater Welding
- Welder



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#### TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Hartnell College counselor to develop a student education plan before beginning their program.

#### TRANSFER RESOURCES

www.ASSIST.org – CSU and UC Articulation Agreements and Major Search Engine

CSU System Information - <http://www2.calstate.edu>

#### FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>