

WELDING TECHNOLOGY

Faculty

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Through the rapidly changing technology of metals joining processes, alloying materials, and a much broader spectrum of applications, we are entering a new dimension in fabrication and manufacturing. This has insured a continuing and increasing demand for well qualified welding technicians.

With persons selecting welding as a hobby, or continuing their education for a four-year degree, every effort is made to assist students in selecting a program which will fit their needs.

The major objectives of the welding technology program at Casper College are:

1. To provide comprehensive training in welding process and theory, blueprint understanding, welding symbol identification, along with codes and standards necessary for obtaining employment upon graduation;

2. To structure courses which will provide a thorough background necessary for those students continuing their education in related fields.

Note: To graduate with a certificate or degree, students must earn a "C" or better in all major requirements.

Associate of Applied Science Degree Welding

(Recommended Curriculum)

	Credits
General Education (Minimum 17 credits)	
General education coursework can be completed from within or outside of the major field of study.	
1. Exploration and Participation (One course minimum)	
Science	
Mathematics	
2. Communication (One course minimum)	
Written or spoken communication	
3. Relationship with the World (One course minimum)	
Human behavior	
U.S. and Wyoming constitutions	1-3
Cultural environment	
4. General Education Electives	
Must be chosen from areas 1, 2, or 3 above.	
5. Physical Education	1

Major Requirements

WELD 1555 Welding Tech Safety (8 weeks)	1.5
WELD 1650 Print Reading (8 weeks)	2
WELD 1710 Oxyacetylene Welding	1.5
WELD 1755 Shielded Metal Arc Welding	7
WELD 1770 Gas Metal Arc Welding (GMAW)	4.5
WELD 1780 Gas Tungsten Arc Welding (GTAW)	4.5
WELD 1860 Welding Fabrication	4.5
WELD 1910 Specialized Arc Welding	3
WELD 2500 Structural Welding	2.5
WELD 2510 Pipe Welding I	3.5
WELD 2520 Pipe Welding II	5
WELD 2670 Inspection	2.5
WELD 2680 Metallurgy	3
*Approved Electives	4

*Approved electives from the departments of autobody repair technology, automotive technology, construction technology, robotics, or machine tool technology.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Welding Certificate

(Certificate Requirements)

WELD 1555 Welding Tech Safety (8 weeks)	1.5
WELD 1650 Print Reading (8 weeks)	2
WELD 1710 Oxyacetylene Welding	1.5
WELD 1755 Shielded Metal Arc Welding	7
WELD 1770 Gas Metal Arc Welding (GMAW)	4.5
WELD 1780 Gas Tungsten Arc Welding (GTAW)	4.5
WELD 1860 Welding Fabrication	4.5
WELD 1910 Specialized Arc Welding	3
WELD 2510 Pipe Welding I	3.5
WELD 2520 Pipe Welding II	5
WELD 2670 Inspection	2.5
WELD 2680 Metallurgy	3
*Approved Electives	2
Total	44.5

*Approved electives from the departments of: autobody repair technology, automotive technology, construction technology, robotics, or machine tool technology.

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF ARTS, ASSOCIATE OF SCIENCE, ASSOCIATE OF BUSINESS, ASSOCIATE OF FINE ARTS AND ASSOCIATE OF APPLIED SCIENCE DEGREES.