

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)

General Education (Minimum 17 credits) 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

POWR	1650	Power Plant Maintenance Practice	3
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: AUBR 1540, 1710; AUTO 1515; CNTK 2510; ROBO 1610, 1615; MCHT 1610, 1620.

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.....	45.5

Approved electives: AUBR 1540, 1710; AUTO 1515; CNTK 2510; ROBO 1610, 1615; MCHT 1610, 1620.

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