



WELDING TECHNOLOGY

Associate of Applied Science Degree
Diploma
Certificate

LINCOLN CAMPUS

www.southeast.edu/Welding



Discover why our Welding Technology program at SCC is so popular. We provide students with comprehensive training in current welding practices and procedures. Potential careers are in the oil and gas industry, automotive, manufacturing, military and others.



Program overview

This program is located on the Lincoln Campus and includes classroom instruction and extensive hands-on training. Some of the welding and cutting processes utilized include shielded metal arc, gas metal arc, gas tungsten arc, flux cored arc, plasma arc, and oxy-fuel. Blueprint reading, layout, inspection and quality control skills also are widely utilized.

The program meets AWS, API, ASME standards and is an AWS-accredited test facility. The curriculum focuses on current welding practices and procedures, metallurgy, destructive and nondestructive testing, inspection, and principles of fabrication and design.



Graduate Earnings

Recent graduates report an average starting wage of \$17 per hour.

For more information contact:

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Lincoln 402-437-2600, 800-642-4075 ext. 2600



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Welding Courses:

Course #	Course title	Credit hrs
WELD1100	Welding Orientation	1.0
WELD1110	SMAW Theory	2.0
WELD1112	SMAW Lab I	4.0
WELD1113	SMAW Lab II	4.0
WELD1115	Equipment & Tools	1.5
WELD1117	Oxyacetylene Theory	2.0
WELD1119	OA Welding & Cutting	3.0
WELD1122	GMAW Theory	3.0
WELD1124	GMAW Lab I	3.0
WELD1126	GMAW Lab II	3.0
WELD1128	Blueprint Reading & Weld Symbols	5.0
WELD1129	Computer Aided Drafting	2.5
WELD1130	Metallurgy I	4.0
WELD1135	Advanced OA & Plasma Cutting	2.0
WELD1139	Welding Measurement & Layout	4.0
WELD1140	Metallurgy II	3.0
WELD1143	Pipe Welding & Cutting	4.0
WELD1144	GTAW Theory	2.0
WELD1148	GTAW (Mild Steel)	4.0
WELD1149	GTAW (SS & AL)	3.0
WELD2250*	FCAW	5.0
WELD2251	FCAW I	2.0
WELD2252	FCAW II	2.0
WELD2254	Welding Codes & Standards	2.5
WELD2256	Welder Pre-Qualification	6.0
WELD2258	Welder Qualification/Certification	4.0
WELD2262	Welding Fabrication & Repair	4.0
WELD2264	Quality Control & NDT Methods	6.0
		86.5 hours

WELD1120	SMAW Lab III	5.0
WELD1252	GMAW (SS & AL)	4.0
WELD1273	Special Welding Applications** or	3.0
WELD2901	Cooperative Experience	12.0
		12.0 hours

**A maximum of 3.0 credit hours of Special Welding Applications can be used toward any award.

*FCAW WELD2250 is no longer being offered.

General Education Requirements:

Contact your program advisor to select general education courses from each category which will meet your program's graduation requirements. See the General Education pages online for a complete list.

(One class from each area below).

Oral Communications	4.5
Written Communications	4.5
Mathematics	4.5
(Plus two classes from the four areas below; no two classes from the same area).	
Science, Social Science, Humanities, Computer Technology	9.0
	22.5 hours

Certificate:

Requires 31.5 credit hours of welding courses plus one General Education course for a total of 36.0 hours. See program advisor.

Diploma:

Requires 68.0 credit hours of welding courses, and two General Education courses, one of which must be MATH1040 or higher, for a total of 77.0 hours. See program advisor.

A.A.S. Degree:

Requires 107 credit hours of welding courses and five General Education courses (22.5), for a total of 129.5 hours. See program advisor.

Estimated Expenses

To determine overall costs, students should plan a budget that includes room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.

Nebraska Resident tuition rate is \$61.50 per credit hour. Out-of-state tuition rate is \$75.50 per credit hour.

Student fee is \$1.50 per credit hour. Graduation fee is \$25.

Housing is available at Beatrice and Milford campuses only. Quarterly tuition, books and fees are dependent upon classes taken.

FIRST QUARTER EXPENSES

Tuition And Fees	\$1,103
Books	620
Tools/Supplies	350
Total	\$2,073

FOURTH QUARTER EXPENSES

Tuition And Fees	\$1,386
Books	270
Tools/Supplies	80
Total	\$1,736

SECOND QUARTER EXPENSES

Tuition And Fees	\$1,229
Books	375
Tools/Supplies	100
Total	\$1,704

FIFTH QUARTER EXPENSES

Tuition And Fees	\$1,229
Tools/Supplies	80
Total	\$1,309

THIRD QUARTER EXPENSES

Tuition And Fees	\$1,323
Tools/Supplies	80
Total	\$1,403

SIXTH QUARTER EXPENSES

Tuition And Fees	\$1,355
Books	210
Tools/Supplies	80
Certification Test	150
Total	\$1,795
Total Estimate For Program	\$10,020

Tool/Supply List:

- Safety glasses
- Burn jacket
- Welding gloves
- GTAW welding gloves
- High top leather boots
- Arc Welding Helmet
- Ear plugs
- Oxygen acetylene welding goggles/helmet
- 4 1/2" Grinder
- 4 1/2" Grinder disks
- 4 1/2" Sanding disks
- Combination pliers
- Oxygen acetylene tip cleaner set
- 6" Steel ruler
- Carbide tipped scribe
- Chipping hammer
- Wire brush
- Calculator
- Combination square
- Cold chisel
- 8" or 10" flat file
- Metal paint marker
- Fillet welding gauges
- Side cutter pliers
- Small flashlight
- Hacksaw blade
- Soapstone and holder
- Welding vice grips (2 pairs)
- Ball peen hammer
- 10' - 25' tape measure
- Bevel Protractor
- V-WAC gage
- GTAW Kit
- Drafting Set

Optional Tools: (See Instructor)

- 4 1/2" Grinding disks
- 2 - Vice grip "C" clamps
- Stainless steel wire brush
- Poster board
- Telescoping mirror
- Welding cap
- File set
- 12" Adjustable wrench
- Drill bit set
- Punch set
- 3/8" Drive socket set
- 3/32" 2% Thoriated tungsten
- 3/32" Pure tungsten

