



WELDING TECHNOLOGY

Associate of Applied Science Degree

Diploma

Certificate

LINCOLN CAMPUS

www.southeast.edu/Welding



Discover why our Welding Technology program 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 and 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 \$15.30 per hour.

For more information contact:

Mark Hawkins, Program Co-chair
402-437-2694, 800-642-4075 ext. 2694
mhawkins@southeast.edu

Dan Zabel, Program Co-chair
402-437-2692, 800-642-4075 ext. 2692
dzabel@southeast.edu

or the College Admissions Office
Lincoln 402-437-2600, 800-642-4075 ext. 2600



Equal Opportunity/NonDiscrimination Policy - It is the policy of Southeast Community College to provide equal opportunity and nondiscrimination in all admission, attendance, and employment matters to all persons without regard to race, color, religion, sex, age, marital status, national origin, ethnicity, veteran status, sexual orientation, disability, or other factors prohibited by law or College policy. Inquiries concerning the application of Southeast Community College's policies on equal opportunity and nondiscrimination should be directed to the Vice President for Access/Equity/Diversity, SCC Area Office, 301 S. 68th Street Place, Lincoln, NE 68510, 402-323-3412, FAX 402-323-3420, or jsoto@southeast.edu. This publication should not be considered a contract between SCC and any prospective student. SCC's Board of Governors reserves the right to make changes in this publication during the life of the publication and without notice. A0751 - WELD (06/17)

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	6.0
WELD1135	Advanced OA & Plasma Cutting	2.0
WELD1139	Welding Measurement & Layout	4.0
WELD1143	Pipe Welding & Cutting	3.0
WELD1144	GTAW Theory	2.0
WELD1148	GTAW (Mild Steel)	4.0
WELD1149	GTAW (SS & AL)	3.0
WELD2251	FCAW I	2.0
WELD2254	Welding Codes & Standards	2.5
WELD2256	Welder Pre-Qualification	5.0
WELD2258	Welder Qualification/Certification	3.0
WELD2262	Welding Fabrication & Repair	4.0
WELD2264	Quality Control & NDT Methods	5.0
		79.5 hours

WELD1120	SMAW Lab III	4.0
WELD1252	GMAW (SS & AL)	3.0
WELD1273	Special Welding Applications**	3.0
WELD2252	FCAW II	2.0
or		
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.

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 91.5 credit hours of welding courses and five General Education courses (22.5), for a total of 114.0 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 \$65.50 per credit hour. Out-of-state tuition rate is \$79.50 per credit hour.

Student fee is \$2 per credit hour. Graduation fee is \$25.

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

FIRST QUARTER EXPENSES

Tuition And Fees	\$1,182
Books	620
Tools/Supplies	350
Total	\$2,152

FOURTH QUARTER EXPENSES

Tuition And Fees	\$1,350
Books	270
Tools/Supplies	80
Total	\$1,700

SECOND QUARTER EXPENSES

Tuition And Fees	\$1,249
Books	375
Tools/Supplies	100
Total	\$1,724

FIFTH QUARTER EXPENSES

Tuition And Fees	\$1,182
Tools/Supplies	80
Total	\$1,262

THIRD QUARTER EXPENSES

Tuition And Fees	\$1,418
Tools/Supplies	80
Total	\$1,498

SIXTH QUARTER EXPENSES

Tuition And Fees	\$1,317
Books	210
Tools/Supplies	80
Certification Test	150
Total	\$1,757
Total Estimate For Program	\$10,093

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)

- 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
- 3/32 E3

