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 $25.45 per hour.

For more information contact:
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402-437-2694, 800-642-4075 ext. 2694
mhawkins@southeast.edu

Danny McCullock, Program Co-Chair
402-437-2693, 800-642-4075 ext. 2693
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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. A0755 - WELD (08/18)
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.)
 Critical Thinking & Problem Solving, Global Awareness and Citizenship, Analytical, Quantitative and Scientific Reasoning, and/or Career and Life Skills.
 See catalog for eligible classes.
 9.0
 22.5 hours

Welding Courses:
Course #  Course title  Credit hrs
WELD1110  SAW Theory  2.0
WELD1112  SAW Lab I  4.0
WELD1113  SAW Lab II  4.0
WELD1115  Equipment & Tools  1.5
WELD1117  Oxycetlene 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

78.5 hours

WELD1120  SAW 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.
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 59.0 credit hours of welding courses, and two General Education courses, one of which must be MATH1040 or higher, for a total of 68.0 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 113.0 hours. See program advisor.

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

Optional Tools: (See Instructor)
• 2 - Vice grip “C” clamps
• Stainless steel wire brush
• Poster board
• Telescoping mirror
• Welding cap
• Oxygen acetylene tip cleaner set
• 6” Steel ruler
• Carbide tipped scribe
• Chipping hammer
• Wire brush
• Calculotor
• 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
• 3/32” 2% Thoriated tungsten
• 3/32” Pure tungsten
• 3/32 E3

Estimates Expenses
Nebraska Resident tuition/fee rate is $69.50 per credit hour. Out-of-state tuition/fee rate is $83.50 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 each quarter.
Students should plan a budget that includes room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.

FIRST QUARTER EXPENSES
Tuition And Fees  $1,147
Books  620
Tools/Supplies  350
Total  $2,117
SECOND QUARTER EXPENSES
Tuition And Fees  $1,286
Books  375
Tools/Supplies  100
Total  $1,761
THIRD QUARTER EXPENSES
Tuition And Fees  $1,460
Tools/Supplies  80
Total  $1,540
FOURTH QUARTER EXPENSES
Tuition And Fees  $1,390
Books  270
Tools/Supplies  80
Total  $1,740
FIFTH QUARTER EXPENSES
Tuition And Fees  $1,216
Books  210
Tools/Supplies  80
Certification Test  150
Total  $1,795
SIXTH QUARTER EXPENSES
Tuition And Fees  $1,355
Books  210
Tools/Supplies  80
Certification Test  150
Total  $1,795
Total Estimate For Program  $10,249

A giant metal apple titled “Potential” is the creation of two Welding Technology students, Porsche Johnson and Courtney Cuddeford, and is located on the east side of the Lincoln Campus.