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.

Why SCC?
The state-of-the-art welding lab provides a great space to instill student proficiency in several key areas, including SMAW, OA, GMAW, FCAW, and GTAW.

Students learn to read and write technical prints and fabricate parts to prepare them for industry. Technical courses like Metallurgy introduce students to the science and study of metals and the challenges in welding them.

A degree from SCC will set you apart from the rest, whether it be pipe welder or shop supervisor. SCC offers a full day and afternoon Welding program allowing flexibility around your schedule.

The Welding Technology program has opened my eyes in so many ways. As a kid I always knew that I wanted to have a career that was hands on, and welding sounded perfect. I am currently employed at SCC as a welding lab assistant. As someone who doesn’t have a lot of job experience, this opportunity is perfect. This job not only gives me a great experience, it has also taught me a lot of valuable lessons.

-Kylee Duncan, lab assistant SCC welding

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.

Top Career Options
- Welding technician
- Pipe Welder
- Production welder
- Welding fitter
- Welding machine operator

Graduate Earnings
Recent graduates report an average starting wage of $21.15 per hour.

2019-2020 Tuition/Fee Rate Per Credit Hour
Nebraska Resident $108
Out-of-state tuition/fee rate $129

Estimated Expenses
Tuition/Fees $ 7830
Books 1675
Special Fees 150
Tools/Supplies 770
Total: $10,225
This program 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 Welding Technology program provides students with comprehensive training in current welding practices and procedures. Course offerings and prerequisites will be determined by the program. A grade of “C” (2.0) or higher is required on all safety-involved welding process theory classes and welding process lab classes to progress through the program.

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 for a complete list.

(One class from each area below)
Oral Communications 3.0
Written Communications 3.0
Mathematics 3.0

(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. 6.0

15.0 hours

Welding Courses

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Credit hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD1101</td>
<td>SMAW I</td>
<td>3.5</td>
</tr>
<tr>
<td>WELD1105</td>
<td>Oxyacetylene Welding and Cutting</td>
<td>3.5</td>
</tr>
<tr>
<td>WELD1109</td>
<td>SMAW II</td>
<td>3.0</td>
</tr>
<tr>
<td>WELD1122</td>
<td>GMAW Theory</td>
<td>2.0</td>
</tr>
<tr>
<td>WELD1128</td>
<td>Blueprint Reading &amp; Weld Symbols</td>
<td>3.0</td>
</tr>
<tr>
<td>WELD1150</td>
<td>Metallurgy</td>
<td>4.0</td>
</tr>
<tr>
<td>WELD1134</td>
<td>Advanced OA &amp; Plasma Cutting</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD1210</td>
<td>GMAW Lab I</td>
<td>2.5</td>
</tr>
<tr>
<td>WELD1220</td>
<td>GMAW Lab II &amp; III</td>
<td>3.0</td>
</tr>
<tr>
<td>WELD1230</td>
<td>SMAW III</td>
<td>2.5</td>
</tr>
<tr>
<td>WELD2310</td>
<td>FCAW</td>
<td>2.0</td>
</tr>
<tr>
<td>WELD2320</td>
<td>GTAW I</td>
<td>3.0</td>
</tr>
<tr>
<td>WELD2330</td>
<td>GTAW II</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD2340</td>
<td>Measurement &amp; Layout</td>
<td>2.5</td>
</tr>
<tr>
<td>WELD2410</td>
<td>Welding Codes and Standards</td>
<td>3.0</td>
</tr>
<tr>
<td>WELD2420</td>
<td>Pipe Welding &amp; Cutting</td>
<td>1.5</td>
</tr>
<tr>
<td>WELD2450</td>
<td>Welder Pre-Qualification</td>
<td>3.5</td>
</tr>
<tr>
<td>WELD2460</td>
<td>Computer Aided Drafting</td>
<td>2.0</td>
</tr>
<tr>
<td>WELD2510</td>
<td>NDT Procedures for Welding</td>
<td>3.0</td>
</tr>
<tr>
<td>WELD2520</td>
<td>Welder Qualification/Certification</td>
<td>2.0</td>
</tr>
<tr>
<td>WELD2530</td>
<td>Welding Fabrication &amp; Repair</td>
<td>3.0</td>
</tr>
<tr>
<td>WELD2540</td>
<td>Special Welding Applications</td>
<td>2.0</td>
</tr>
</tbody>
</table>

57.5 hours

**A maximum of 2.0 credit hours of Special Welding Applications can be used toward any award.

Certificate
Requires 13.5 credit hours of welding courses plus one General Education course for a total of 16.5 hours. See program advisor.

Diploma
Requires 37.5 credit hours of welding courses and two General Education courses, one of which must be MATH1040 or higher, for a total of 43.5 hours. See program advisor.

A.A.S. Degree
Requires 57.5 credit hours of welding courses and five General Education courses (15.0), for a total of 72.5 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
- 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