



**Associate of Applied Science Degree
Diploma
Certificate**

Credit Hours Required for Graduation:

Certificate 16.5
Diploma 43.5
Associate of Applied Science 72.5



For more information contact:

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A0757 - WELD (08/19)

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



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.

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.

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

Estimated Expenses

Tuition/Fees	\$ 7830
Books	1475
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

Course #	Course title	Credit hrs
WELD1101	SMAW I	3.5
WELD1105	Oxyacetylene Welding and Cutting	3.5
WELD1109	SMAW II	3.0
WELD1122	GMAW Theory	2.0
WELD1128	Blueprint Reading & Weld Symbols	3.0
WELD1130	Metallurgy	4.0
WELD1134	Advanced OA & Plasma Cutting	1.5
WELD1210	GMAW Lab I	2.5
WELD1220	GMAW Lab II & III	3.0
WELD1230	SMAW III	2.5
WELD2310	FCAW	2.0
WELD2320	GTAW I	3.0
WELD2330	GTAW II	1.5
WELD2340	Measurement & Layout	2.5
WELD2410	Welding Codes and Standards	3.0
WELD2420	Pipe Welding & Cutting	1.5
WELD2450	Welder Pre-Qualification	3.5
WELD2460	Computer Aided Drafting	2.0
WELD2510	NDT Procedures for Welding	3.0
WELD2520	Welder Qualification/Certification	2.0
WELD2530	Welding Fabrication & Repair	3.0
WELD2540	Special Welding Applications	2.0
		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.



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



Welding students Cole Andersen, Curtis Hartshorn, Lebari Abiikor, Zach Bohlmeyer, Josh Waters, and Alex Salzman designed and created this bronze "wheat" sculpture.

It is now displayed outside the Great Plains Culinary Institute on the Lincoln Campus.



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