



## Personality + Career

SCC Welding students enjoy working with their hands and using tools and machinery, like to see results, and are determined to complete tasks with multiple steps. They also are good communicators, detail oriented and patient. The ability to see, understand, and remember spatial relationships among objects and geometry and trigonometry skills are helpful.

| Program | Credential                   | What do students learn in the program?  | What do students earn?   | Career Opportunities  | Are graduates prepared for/ to complete exams for specific credentials/licensing/certifications at the end of the program? | Required Tools, Supplies, and Uniforms   |
|---------|------------------------------|---|--|---|--|--|
| Welding | Certificate                  | Students learn basic welding skills needed for entry level jobs. Students work with an advisor to select the courses needed to meet their welding skill goals.  | No salary data available.  | Production Welder<br>Welding Technician   | American Welding Society (AWS) Certification options are available.  | Tools are required. See information outlined below. No uniform is required for this program. |
| Welding | Diploma                      | Students advance their basic welding skills and learn shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and basic TIG welding. Students also learn to read and draw blue prints and metallurgy. Students will work with an advisor to select the courses needed to meet their welding skill goals.   | No salary data available.  | Production Welder<br>Welder Technician<br>Welding Machine Operator  | American Welding Society (AWS) Certification options are available.  | Tools are required. See information outlined below. No uniform is required for this program. |
| Welding | Associate of Applied Science | In addition to the skills noted above, students learn flux cored arc welding (FCAW) welding, measurements and layout, about codes and standards, pipe welding and cutting, and non-destructive testing technology including testing methods, welding inspection and quality assurance. Students prepare for and complete qualification and certification tests. | Average starting salary for graduates is \$20.25 per hour; \$42,120 annually<br>Wages can vary greatly among welding related positions. Advanced awards open doors to a wider variety of positions, including those accompanied by higher wages. | Fabricator<br>Pipe Welder<br>Production Welder<br>Welding Technician<br>Welding Machine Operator<br>Structural Welder | Students will test and earn the American Welding Society All Position Welding Certification upon graduation.               | Tools are required. See information outlined below. No uniform is required for this program. |

### » Your Next Steps to Choose SCC

- ▶ Schedule a Campus Visit - [southeast.edu/visit](https://southeast.edu/visit)
- ▶ Explore career options with an Admissions Counselor - [southeast.edu/admissionsadvising](https://southeast.edu/admissionsadvising)
- ▶ Apply - [southeast.edu/applynow](https://southeast.edu/applynow)

### » Paying for SCC

- ▶ Free Application for Federal Student Aid (FAFSA) - [studentaid.gov/h/apply-for-aid/fafsa](https://studentaid.gov/h/apply-for-aid/fafsa)
- ▶ Scholarships - [southeast.edu/scholarships](https://southeast.edu/scholarships)
- ▶ Payment Plan - [mycollegepaymentplan.com/southeast](https://mycollegepaymentplan.com/southeast)
- ▶ Veteran Education Benefits - [southeast.edu/veterans-services](https://southeast.edu/veterans-services)
- ▶ GAP Assistance Program - [southeast.edu/gap](https://southeast.edu/gap)
- ▶ Children of State Teammate Tuition Reimbursement Program - [southeast.edu/children-of-state-teammate-tuition-reimbursement-program](https://southeast.edu/children-of-state-teammate-tuition-reimbursement-program)



Scan this code to access the course listing

### Contact Admissions to get started!

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

✉ [admissions@southeast.edu](mailto:admissions@southeast.edu)



Welding is a very diverse field that is involved in almost every industry. Students in the SCC Welding Technology program learn how to perform many different conventional welding processes used in industry and how to apply them to a variety of metals, thicknesses, positions, and joint configurations. Students will learn how to weld steel, stainless steel, and aluminum. Students will learn how to weld on sheet metal, plate, tubing, and pipe in all welding positions. SCC has one of the largest educational welding labs in the country and is an American Welding Society-accredited test facility. This allows every graduate the opportunity to become an AWS-certified welder.

### Program Contact Information

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# The SCC Experience

- » SCC's Welding Technology program is very hands-on. Students spend 80% of their time in the lab working on projects and practicing their skills. Twenty percent of their time is spent in class learning the theory that supports the welding industry and trade.
- » The SCC Welding program offers students flexibility in achieving their goals. The program offers both a day and evening option, and students can attend part time. The flexibility of the program allows students to have a schedule that meets their needs, and many are able to work while taking classes, some in the welding industry, applying their skills as they learn. Multiple credentials are also available, giving students the flexibility to earn the skills they need and want to succeed.
- » SCC's Welding classes meet the standards of the American Welding Society, the American Petroleum Institute, and the American Society of Mechanical Engineers, meaning that you will be prepared to make an immediate impact in a number of industries. Associate of Applied Science students graduate with the American Welding Society's All Position Welding Certification; SCC is an accredited test site, meaning that the certification stays with you no matter where you work.
- » The Welding program is connected to industry. In addition to having 14 faculty members with industry connections and experience, the program regularly hosts industry training on site, giving students immediate access to welders from a variety of employers. The Welding program also works closely with SCC's Career Services to connect students with employers and job postings.



## TOOLS

Many tools are provided and students are only asked to purchase minimum tools in their first term, giving them time to explore and learn. Students then add to tools in future semesters. Tools are an investment in a student's career and SCC works with a variety of tool vendors to give students options. Many vendors offer students a significant discount. Students can also purchase tools from other vendors not associated with the College. Program faculty and advisors will provide students with specific information related to tools prior to the start of their first semester.

During the first week of each semester, tool vendors come to campus and provide students with options to buy single tools or tool sets based on program needs. Faculty will be available to help students make selections based on course and program needs.

### Welding Technology - Required Basic Tool 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
- Soapstone and holder
- Welding vice grips (2 pairs)
- Ball peen hammer
- 10' - 25' tape measure
- Bevel Protractor
- V-WAC gage
- GTAW Kit

#### 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



#### Related Welding Programs at SCC:

- Design & Drafting Technology (Computer Aided Design & Drafting focus)
- Electrical/Electromechanical Technology
- Nondestructive Testing Technology
- Precision Machining and Automation Technology
- Technical Skills Instructor

| Program | Credential                   | Location | Hours Required to Graduate | Resident cost* | Non- Resident cost* | Starting Term(s) | Number of Semesters Required to Complete at Full Time Status? | Is a summer term required for FT students? | Is there an online option for students? | Can the program be completed entirely online? | Is there a Part Time Option? | Number of Semesters Required to Complete at PT Time Status | Is a summer term required for PT students? | Typical Class Schedule   |
|---------|------------------------------|----------|----------------------------|----------------|---------------------|------------------|---|--|---|---|------------------------------|--|--|--|
| Welding | Certificate                  | Lincoln  | 12.5                       | \$2,147.50     | \$2,410             | Fall and Spring  | 1   | No   | No                                      | No  | Yes                          | Dependent on student's pace.                               | No   | Monday – Friday:<br>Days 8 am - 2:30 pm<br>Evenings 5:30 pm – 10:40 pm |
| Welding | Diploma                      | Lincoln  | 34                         | \$4,783        | \$5,497             | Fall and Spring  | 2   | No   | No                                      | No  | Yes                          | Dependent on student's pace.                               | No   | Monday – Friday:<br>Days 8 am - 2:30 pm<br>Evenings 5:30 pm – 10:40 pm |
| Welding | Associate of Applied Science | Lincoln  | 66                         | \$8,982        | \$10,368            | Fall and Spring  | 4   | No   | No                                      | No  | Yes                          | Dependent on student's pace.                               | No   | Monday – Friday:<br>Days 8 am - 2:30 pm<br>Evenings 5:30 pm – 10:40 pm |

\*Listed program costs are approximate and subject to change based on market price of books, supplies, tools, uniforms, etc. Estimated costs include tuition, fees, books, supplies, tools, uniforms, etc.