

Welding Pathway

11th & 12th Graders



Possible Careers

- Welding Technician
- Production Welder
- Welding Fitter
- Supervisor
- Inspector
- Welding Machine Operator

Field Trips

- Kawasaki
- IntoMetal
- MWD Steel Fabrication

Guest Speakers

- Kawasaki
- Bison
- TMCO



Overview

Learn basic metal fabrication and entry-level techniques to build and repair structures or products using OXY/FUEL and PLASMA cutting, ARC, MIG and TIG welding. Students work on projects in detailed, hands-on environment to prepare for a career in the welding industry.

Student Experience & Projects

Students will enrich their technical skills with participation in community service events, service learning projects, SkillsUSA competitions, fabrication of items for the Academy Enterprise Store, commercial building industry applications, career fairs, welding industry tours, job shadow, and internships.

11.5

Dual Credits: Earn up to 14.5 Southeast Community College credits.



the **career** academy

Visit us or apply at: ***thecareer.academy***

Welding Pathway

Awards

Skills USA 2017

2nd in State Welding, OAW

"TCA really helps you decide what you want to do for after high school. My favorite thing about TCA is learning to weld!"
- Payton, LSW

"TCA is a good place to find your career. My favorite thing about TCA is the welding lab!"
- Jacob, East



Lincoln Public Schools

Recommended Classes to Take at Your Home High School

Encouraged: Introduction to Welding/Manufacturing, Introduction to Construction, Introduction to Woods Manufacturing, Introduction to Engineering Design

Dual Credits Available

11.5

YEAR 1 CLASSES

Junior (or Senior if pathway is not full)

First Semester

WELD 1105 (3.5)
Oxyacetylene Theory

Second Semester

WELD 1101 (3.5)
SMAW I

*Plus welding projects/
competitions*

YEAR 2 CLASSES

Returning TCA Senior

First Semester

WELD 1210 (2.5)
GMAW Lab I

*Plus welding projects/
competitions*

Second Semester

WELD 2310 (3.0)
GMAW Lab II

*Plus welding projects,
competitions and/or
internship*

**Additional high school
courses taken at TCA
to meet graduation
requirements**

*(Students earn 30 LPS
credits per year toward the
245 LPS credits required for
graduation).*

First Semester

11th LPS
Gov't & Politics
(5 LPS credits)

12th LPS
English
(5 LPS credits)

Second Semester

11th LPS
Economics
(5 LPS credits)

12th LPS
English
(5 LPS credits)

First Semester

Senior English Seminar
English
(10 LPS credits)

Course completed over two semesters earning 5
credits each semester

Second Semester



Related Associate of Applied Science Degrees Offered at SCC

AAS Degrees: Welding Technology, Auto Collision Repair Technology, Nondestructive Testing Technology. **Certificates/Diploma:** Welding Technology

Information subject to change.

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