



WELDING

High School Course Sequence:

Level One

Optional for Agriculture route: Principles of Agriculture, Food, and Natural Resources

Level Two

Welding I (KCC)

Level Three*

Welding II (KCC)

Level Four*

Practicum in Manufacturing – Welding (KCC)

** Indicates advanced course(s)*

A CTE Completer is a student who completes three or more CTE courses for four or more credits including one Level 3 or 4 (advanced level) CTE course within a program of study will fulfill the requirements of a Business and Industry Endorsement.

The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. Career and Technical Education learners will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

CAREER OUTLOOK**

Occupation	Texas Outlook			National Outlook		
	Median Wage	Annual Openings	Growth	Median Wage	Annual Openings	Growth
Welders, Cutters, Solderers, and Brazers	\$44,160	7,070	13%	\$42,490	43,400	3%
Welding Soldering and Brazing Machine Setters, Operators and Tenders	\$35,470	160	1%	\$38,310	3,100	-7%

** Career Outlook information derived from O*NET Online at <https://www.onetonline.org/>

INDUSTRY CERTIFICATIONS & EDUCATION

Industry Certification Offered at the KISD Career Center	Certification/ License	Associate's Degree	Bachelor's Degree	Master's/ Doctoral/ Professional Degree
American Welding Society Certified Welder, D1.1, D9.1	Certified Welder or Welder Inspector	Certified Welder or Welder Inspector	Welding Engineering Technology/Technician	Welding Engineering Technology/Technician
American Welding Society, SENSE Level 1	Machining Level 1 - CNC Milling: Programming Setup & Operations	Machine Shop Technology/ Assistant	Biomedical Technology/ Technician	Occupational Health and Industrial Hygiene

HIGH SCHOOL COURSE INFORMATION

Course Name	Service ID	Prerequisite(s)	Grade(s)
Principles of Agriculture, Food, and Natural Resources	13000200 (1 credit)	None	9-12
Welding I	13032300 (2 Credits)	None	10-12
Welding II	13032400 (2 Credits)	Welding I	11-12
Practicum of Manufacturing - Welding	13033000 (2 Credits)	Welding II	12

CAREER EXPLORATION & WORK - BASED LEARNING OPPORTUNITIES

Possible Career Exploration Activities	Possible Work-Based Learning Opportunities
<ul style="list-style-type: none"> Job Shadowing with a machinist Participate in SkillsUSA (CTSO) 	<ul style="list-style-type: none"> Intern with a local business or industry partner <p><i>Note: If you have an internship during high school, talk with your counselor about taking Career Prep.</i></p>

FIND COLLEGES & UNIVERSITIES OFFERING CERTIFICATES & DEGREE PLANS IN THIS FIELD



NAVIANCE ACCESS

All Killeen ISD students (7th-12th graders) should login to their Naviance account through Clever:

- Go to your Clever portal: <https://clever.com/in/killeenisd>



- Username: school username
Password: school password
- Click on: Naviance



ARMED FORCES CAREER INFORMATION

Aircraft Metals Technology – U.S. Air Force & U. S. Air Force Reserve

Nondestructive Inspection – U.S. Air Force

Low Observable Aircraft Structural Maintenance Specialist - U.S. Air Force

This is not a comprehensive list.

Local Armed Forces Recruiter Contact Information:

Air Force – (254) 247-8992

Army – (254) 690-8554

Army National Guard – (903) 262-6355

Marines – (254) 690-2626

Navy – (254) 690-2096

*See your school counselor to connect with a military recruiter for career counseling and to take the ASVAB in high school.