



SPARK A BRIGHT FUTURE
WITH AN IN-DEMAND CAREER

Welding

[MANUFACTURING]

Welding is the most common method of permanently joining or cutting metal surfaces. In this career, you might set up, operate or tend welding, soldering or brazing machines. Welders also operate laser cutters or laser-beam machines. Employers report difficulty in finding qualified welders, so let us put you first in line for an in-demand job.

LEARNING AT WASHBURN TECH

This program will prepare you to apply technical knowledge and skills when bonding or cutting metal parts. Instruction, both formal and self-paced, includes shielded metal arc welding, gas metal arc welding, flux cored arc welding, gas tungsten arc welding and cutting processes. Emphasis also is placed on quality assurance and control, print reading, safety and workplace skills. Students begin by pursuing a Cert A of 26-credit hours and may continue to earn a Cert C which is 50-credit hours. Attending half-day, you can complete the Cert A program in two semesters. Upon completion of a Cert C, you will be eligible to complete an associate degree or more advanced degrees at Washburn University.

JOB AND SALARY OUTLOOK

Good career opportunities are expected for highly-skilled workers, especially for those trained in the latest technologies. According to the Kansas Department of Labor, the average

salary for an entry-level welder is \$17.75 an hour or \$36,910 annually. The average wage is \$22.63 an hour or \$47,080 annually.

ENTRY REQUIREMENTS

Students are required to meet the minimum score on the Accuplacer exam. A score of 4 in both Reading and Math is required. Other assessments or college coursework can be accepted in place of Accuplacer. Please see an admissions counselor for details. Students must complete an application and submit all transcripts.

CERTIFICATIONS

- + AWS 1F, AWS 1G, AWS 2F
- + OSHA-10

Build your best self.

TALK TO AN ADMISSIONS COUNSELOR TODAY!

785.670.2200

CAREERS IN WELDING »

- + manufacturing
- + shipfitter
- + weld educator
- + weld inspector
- + underwater welder
- + pipefitter
- + boilermaker
- + ironworker



COURSE DESCRIPTIONS

WELDING SAFETY/OSHA-10

Focuses on job/site safety and precautions, determine the uses of personal protective equipment (PPE)

WELDING BLUEPRINT READING

Teaches a basic understanding of welder's math and the symbols used on blueprints

OXY-FUEL/CUTTING PROCEDURES

Covers the cutting of ferrous and non-ferrous materials with manual, motor-driven and oxy-fuel shape cutting equipment; plasma-arc cutting and carbon-arc cutting

SMAW I

Explores shielded metal arc welding (SMAW) process

SMAW II

Continuation of introductory course

GMAW I

Explores gas metal arc welding (GMAW)

GMAW II

Continuation of introductory course

GTAW

Introduces gas tungsten arc welding (GTAW); learn the safe and correct set-up of the GTAW work station

FCAW WELDING

Flux Cored Arc Welding Unit (FCAW) is designed to teach the student the correct techniques to weld in all positions with an emphasis on safety



APPLICATION CHECKLIST



MEET WITH ADMISSIONS



TAKE ACCUPLACER*



SUBMIT TRANSCRIPT(S)



PAY ENROLLMENT FEE (ADULT ONLY)

2023-2024 PROGRAM COSTS - CERT A (Estimated)

	HIGH SCHOOL	ADULT
Enrollment fee	\$0	\$50
Tuition	*\$0	\$3,800
All other fees	\$511	\$1,586
TOTAL	\$511	\$5,436

*Tiered courses are paid by Excel in CTE. Non-tiered courses are paid by the student.

ADDITIONAL CHARGES** (Estimated)

	HIGH SCHOOL	ADULT
Tools/Books	\$386	\$386

COST NOTE

**A list of required tools/books is on a separate sheet of paper and on our website, WashburnTech.edu. Students also will need to purchase supplies such as (but not limited to) pens/pencils, notebooks/paper, three-ring binder, etc. Students may purchase them from the vendor of their choice.

MORE INFO »

For more programs, enrollment and course schedule information, please contact Admissions. Financial Aid is available to those who qualify.

CALL 785.670.2200

TO TALK W/ ADMISSIONS COUNSELOR