



WASHBURNTECH
UNIVERSITY

SPARK A BRIGHT FUTURE
WITH AN IN-DEMAND CAREER

Welding Technology

[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 \$19.35 an hour or \$40,257 annually. The average wage is \$25.36 an hour or \$52,746 annually.

ENTRY REQUIREMENTS

For dual-credit high school students submission of an application, official partial transcript, and consent to enroll form are required. Adult students must complete an application and submit an official copy of all transcripts. Please see an admissions counselor for details.

CERTIFICATIONS

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

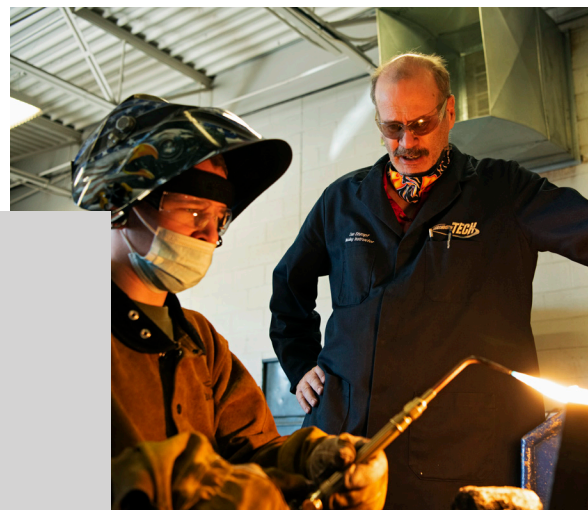
**Build your
best self.**

TALK TO AN ADMISSIONS
COUNSELOR TODAY!

785.670.2200

CAREERS IN WELDING »

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



Welding Technology

COURSE DESCRIPTIONS

OSHA-10 OR OSHA-30

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

SHIELDED METAL ARC WELDING I

Explores shielded metal arc welding (SMAW) process

SHIELDED METAL ARC WELDING II

Continuation of introductory course

GAS METAL ARC WELDING I

Explores gas metal arc welding (GMAW)

GAS METAL ARC WELDING II

Continuation of introductory course

GAS TUNGSTEN ARC WELDING

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

FLUX CORED ARC WELDING

Designed to teach the student the correct techniques to weld in all positions with an emphasis on safety

*TECHNICAL MATH I

Gain confidence with the use of basic math, measurements, and signed numbers

*WELDING METALLURGY

Develop basic metallurgy skills

*GAS TUNGSTEN ARC WELDING II

Additional positions, metals, and metal alloys

*GAS METAL ARC WELDING- PLATE

Course will follow requirements identified for SENSE Level II GMAW-Plate processes

*WORKPLACE SKILLS AND SAFETY

Introduces communication concepts, skills and behaviors, and safety practices for the workplace

*WELDING LAYOUT

Emphasis on structural shapes

*WELDING INSPECTION & QUALIFICATIONS

Learn proper measurement tools and their application

* Indicates Cert C courses

APPLICATION CHECKLIST



**SUBMIT
APPLICATION**



**MEET WITH
ADMISSIONS**



**SUBMIT
TRANSCRIPT(S)**



**ENROLL IN
CLASSES**

2025-2026 PROGRAM COSTS - CERT A (Estimated)

| | HIGH SCHOOL | ADULT |
|----------------|--------------|----------------|
| Tuition | *\$0 | \$4,290 |
| All other fees | \$638 | \$1,641 |
| TOTAL | \$638 | \$5,931 |

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

ADDITIONAL CHARGES (Estimated)

| | HIGH SCHOOL | ADULT |
|-------------|--------------|--------------|
| Tools/Books | \$417 | \$417 |

2025-2026 PROGRAM COSTS - CERT C (Estimated)

| | HIGH SCHOOL | ADULT |
|----------------|----------------|-----------------|
| Tuition | *\$990 | \$7,755 |
| All other fees | \$810 | \$1,569 |
| TOTAL | \$1,800 | \$10,648 |

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

ADDITIONAL CHARGES (Estimated)

| | HIGH SCHOOL | ADULT |
|-------------|--------------|--------------|
| Tools/Books | \$451 | \$451 |

The Washburn Tech Welding Technology program is in alignment with the National Center for Education Statistics (NCES) CIP Code 48.0508: Welding Technology/Welder. A program that prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards.

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