

FAST-TRACK WELDING



Fast-Track Welding can quickly move you from the classroom to the workplace. As a welder, you might set-up, operate or tend welding, soldering or brazing machines. Welders also operate laser cutters or laser-beam machines. American Welding Society predicts a deficit of 290,000 skilled welders by 2020. Our training can put you first in line to get an in-demand job.

Learning at Washburn Tech

Our fast-track 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, gas tungsten arc welding and cutting processes. Emphasis also is placed on quality assurance and control, print reading and welding safety. Attending full-day, you can complete the program in one semester, while half-day and high school students can finish in two semesters. Upon completion, you will earn a 21-credit-hour

technical certificate. This program is offered at various times throughout the year including a summer session.

Job and Salary Outlook

Good career opportunities are expected for highly-skilled workers, with prospects especially good for those trained in the latest technologies. According to the Kansas Department of Labor, the average salary in 2015 for an entry-level welder was \$15.84 an hour or \$32,944 annually. The average salary was \$17.61 an hour or \$36,635 annually.

Entry Requirements

Students are required to meet the minimum score on an assessment test. Washburn Tech offers the ACT WorkKeys. A score of 4 in both Reading and Math is required. Other assessments or college coursework can be accepted in place of WorkKeys. Please see a recruiter for details. Students also must complete an application and submit an official copy of all transcripts.

Certifications

- OSHA-10
- 3G AWS

CONTACT US:

785.670.2200
877.588.7140

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

Washburn University Institute of Technology

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FAST-TRACK WELDING

Course Descriptions

Welding Safety/OSHA-10: focus on job/site safety and precautions, determine the uses of personal protective equipment (PPE), identify the safety equipment and procedures related to safe work practices and environment, and identify fire prevention and protection techniques

Print Reading/Math I: teaches a basic understanding of welder's math and the symbols used on blueprints

Oxy-Fuel/Cutting Procedures: includes the cutting of ferrous and non-ferrous materials with manual, motor-driven and oxy-fuel shape cutting equipment; also included, plasma-arc cutting (PAC) and carbon-arc cutting

SMAW: explore the shielded metal arc welding (SMAW) process

SMAW I: continuation of SMAW

GMAW: focuses on gas metal arc welding (GMAW)

GMAW Welding: continuation of GMAW; additional positions and tests will provide added experience with gas metal arc welding

Workplace Skills I: teaches some of the skills needed to get a job in any field

Oxy-Fuel Welding: teaches basic welding and oxy-fuel welding set-up; students learn how to set-up and torch while becoming proficient in the start-up and shut-down procedures

SMAW II: designed to teach the student the correct techniques to weld in the vertical up and overhead position

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

Print Reading/Math II: designed to teach a basic understanding of blueprints

Welding Special Topics: Gas Metal Arc Welding Aluminum (GMAW) unit designed to teach the correct techniques to weld in all positions

GTAW: explore the gas tungsten arc welding (GTAW) process

GTAW I: continuation of GTAW
Workplace Skills II: includes writing a resume and job search technique

CHECKLIST

Meet with recruiter

Take ACT WorkKeys*

Submit transcript(s)

Pay enrollment fee

*some exceptions apply

TOTAL 2017-2018 PROGRAM COSTS (ESTIMATED) - HIGH SCHOOL

Enrollment fee	\$20
Tuition	FREE
All other fees	\$878
TOTAL	\$898

ADDITIONAL ESTIMATED CHARGES

Tools/Books Estimate*	\$470
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TOTAL 2017-2018 PROGRAM COSTS (ESTIMATED) - ADULT

Enrollment fee	\$50
Tuition	\$2,646
All other fees	\$878
TOTAL	\$3,574

ADDITIONAL ESTIMATED CHARGES

Tools/Books Estimate*	\$470
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* 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 at the vendor of their choice.