



Metal Fabrication/Welding

33-credit Technical Diploma

www.wctc.edu/metal-fab

If you are interested in working in a manufacturing setting, like to use machines and equipment to make parts fit together, and have an eye for detailed work, a career in metal fabrication/welding may be for you. Those in the field have knowledge of metallurgy, solid math skills and the ability to interpret prints.

About This Program

Metal fabrication involves preparing and manipulating materials, while welding fuses parts together. In this program, learn to read prints; create the shape of a part for cutting, fabrication and welding; and produce quality parts. Develop skills to program/operate computer-controlled press brakes/shears, plasma arc cutting machines and microprocessor-based power sources.



Career Salaries

\$33,400 – \$46,700 annually

Salary range estimates based on wages for related occupations in Waukesha County as reported by Economic Modeling Specialists International (EMSI). Individual wages may vary based on experience, industry, location and specific job requirements.



Potential Careers

Fabricator
Laser Operator
Assembler
Welder/Press Operator
Welder

What Makes This Program Unique

- Learn on state-of-the-art Lincoln welders.
- Take advantage of the opportunity to participate in an award-winning SkillsUSA team.
- Advance your career by applying credits earned this technical diploma to the Metal Fabrication/Welding - Advanced associate degree.



PROGRAM CODE 31-457-1

CORE COURSES

	Credits
422-103 Metals Technology/ Fabricators	1
442-151 Gas Metal Arc Welding 1	2
442-152 Gas Metal Arc Welding 2	2
442-171 Flux Core Arc Welding 1	2
442-172 Flux Core Arc Welding 2	2
457-110 Blueprint Reading - Fab	2
457-121 Automated Cutting Processes 1	2
457-125 Manual Thermal Cutting Process	1
457-161 Intro to Metal Fabrication	2
457-162 Metal Fabrication 1	3
457-163 Metal Fabrication 2	2
457-164 Advanced Metal Fabrication	3

GENERAL STUDIES

801-196 Oral/Interpersonal Comm	3
804-107 College Mathematics	3
809-199 Psychology of Human Relations	3



WAUKESHA
COUNTY TECHNICAL
COLLEGE

Hands-on
Higher Ed