



Metal Fabrication/Welding - Advanced

60-credit Associate of Applied Science Degree

www.wctc.edu/metal-fab-adv

This advanced program is great for those who have basic manufacturing skills in the areas of welding and metal fabrication, have knowledge of metallurgy, possess solid math skills and enjoy working on intricate and detailed projects.

About This Program

Metal fabrication manipulates metal from one form to another for a particular purpose, while welding fuses parts together. In this program, develop advanced skills involving the intricate planning and preparing a part for cutting, fabrication and welding, while employing new techniques on a variety of materials.



Career Salaries

\$39,000 - \$56,800 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 equipment, including programming the latest robotic Lincoln welding equipment.
- Take advantage of the opportunity to participate in an award-winning SkillsUSA team.
- Design and fabricate a capstone project that is uniquely yours.



PROGRAM CODE 10-457-2

CORE COURSES:

CORE COURSES:		Credits
420-120	Machine Tool/Fabrication	2
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
442-190	Robotic Arc Welding 1	3
442-191	Robotic Arc Welding 2	3
457-110	Blueprint Reading - Fab	2
457-121	Automated Cutting Processes 1	2
457-122	Automated Cutting Processes 2	2
457-125	Manual Thermal Cutting Process	1
457-150	SolidWorks for Metal Fab	2
457-151	Advanced Forming Processes 1	1
457-152	Advanced Forming Processes 2	1
457-155	Adv Manufacturing Capstone	4
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
457-170	Computer Assist Prog Laser	2

GENERAL STUDIES

801-136	English Composition 1	3
801-196	Oral/Interpersonal Comm	3
804-107	College Mathematics	3
809-195	Economics	3
809-199	Psychology of Human Relations	3
890-108	Employment Success	1



WAUKESHA COUNTY TECHNICAL COLLEGE

Hands-on Higher Ed