



MANUFACTURING:

# Metal Fabrication/Welding - Advanced



## 69-credit Associate of Applied Science Degree

For more information: [www.wctc.edu/metal-fab-adv](http://www.wctc.edu/metal-fab-adv)

Metal fabrication prepares metal for a specific use. It involves manipulating metal from one form to another for a particular purpose. In the Metal Fabrication/Welding - Advanced Associate of Applied Science Degree program, develop higher-level skills involving the intricate planning and preparing a part for cutting, fabrication and welding, and produce parts by employing new techniques and using a variety of materials. Gain advanced skills in operating computer-controlled press brakes and shears, plasma arc cutting machines and micro-processor-based power sources. Emphasis is placed on welding techniques and joining methods.

- Prepare for jobs such as higher skill level fabricator, laser operator, welder/press operator or welder.
- Internship opportunities provide technical, hands-on learning in real-world settings.

PROGRAM CODE 10-457-2

Credits

### CORE COURSES:

420-120	Machine Tool/Fabrication	2
442-150	Gas Metal Arc Welding (GMAW)	4
457-110	Blueprint Reading - Fab	2
457-160	Metal Fabrication 1	5
457-125	Manual Thermal Cutting Process	1
422-103	Metals Technology/Fabricators 1	1
457-121	Automated Cutting Processes 1	2
457-165	Metal Fabrication 2	5
442-170	Flux Cored Arc Welding	4
442-190	Robotic Arc Welding 1	3
457-122	Automated Cutting Processes 2	2
457-150	SolidWorks for Metal Fab	2
457-154	Advanced Forming Processes	2
457-170	Computer Assist Prog Laser	2
442-191	Robotic Arc Welding 2	3
457-155	Adv Manufacturing Capstone	4
606-153	Internship - Applied Tech Elective	1 2

### GENERAL STUDIES:

804-107	College Mathematics	3
801-196	Oral/Interpersonal Comm	3
809-199	Psychology of Human Relations	3
890-108	Employment Success	1
801-136	English Composition 1	3
806-139	Survey of Physics	3
809-166	Intro to Ethics: Theory & App	3
809-195	Economics	3

### FALL OR SPRING START

Curriculum is current as of printing. For available proficiency exams or course prerequisites, visit [www.wctc.edu](http://www.wctc.edu).

This program is here

