



# Dual Enrollment Academy

FOR HIGH SCHOOL SENIORS

## Welding/Fabrication

**WCTC's Dual Enrollment Academy (DEA)** is designed to give high school seniors a jump start in high-demand occupations, awarding participants with a WCTC credential(s) upon successful completion along with earning high school credits. High school students will spend the majority of their school day, both the fall and spring semesters of their senior year, at WCTC participating in the Dual Enrollment Academy.

Prospective students should have a strong interest in pursuing a career in their chosen program option. Students must be in good academic standing with a minimum 2.0 high school GPA and also meet the WCTC program requirements. Parental and high school approval is required for a student to be accepted into the program.



## Welding/Fabrication

22-credit Technical Diploma  
[www.wctc.edu/dual-enroll](http://www.wctc.edu/dual-enroll)

Metal fabrication involves cutting, altering and shaping steel or other materials through the use of different tools, techniques and processes. Welding is then used to fuse or join the metals parts together. Fabrication and welding projects can involve simple, basic techniques, or they can be highly specialized and complex.

In the Welding/Fabrication option, develop skills in interpreting blueprints; creating the exact shape of a part for cutting, fabrication and welding; and producing quality parts through the use of different techniques and materials. Learn the basic skills necessary to program and operate 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.

### DEA STUDENTS EARN:

- **GMAW/Fabrication Certificate**
- **Welding Technician Technical Diploma**

Continue on your educational pathway using your DEA credits at WCTC.

## Next Steps

1. Meet with your High School Counselor/Dual Enrollment Coordinator to see if you qualify for WCTC Dual Enrollment Academy.
2. Attend a Dual Enrollment Informational Session at WCTC.
3. Complete a WCTC Dual Enrollment Academy Application and submit it your High School Counselor/Dual Enrollment Representative for approval prior to the posted deadline.

### Welding/Fabrication course schedule

Fall Semester		Credits
422-103	Metals Technology/Fabricators	1
442-150	Gas Metal Arc Welding (GMAW)	4
457-110	Blueprint Reading Fab	2
457-125	Manual Thermal Cutting Process	1
457-160	Metal Fabrication 1A	2.5
Spring Semester		Credits
442-180	Gas Tungsten Arc Welding (GTAW)	4
457-121	Automated Cutting Processes 1	2
457-160	Metal Fabrication 1B	2.5
804-107	College Mathematics	3

Visit [www.wctc.edu/dual-enroll](http://www.wctc.edu/dual-enroll) for information regarding WCTC Dual Enrollment Academy eligibility requirements, application process and deadlines.



WAUKESHA  
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**Questions?** Contact Sandra Maylen, WCTC Dual Enrollment Academy Coordinator, at **262.691.5591** or [smaylen@wctc.edu](mailto:smaylen@wctc.edu)

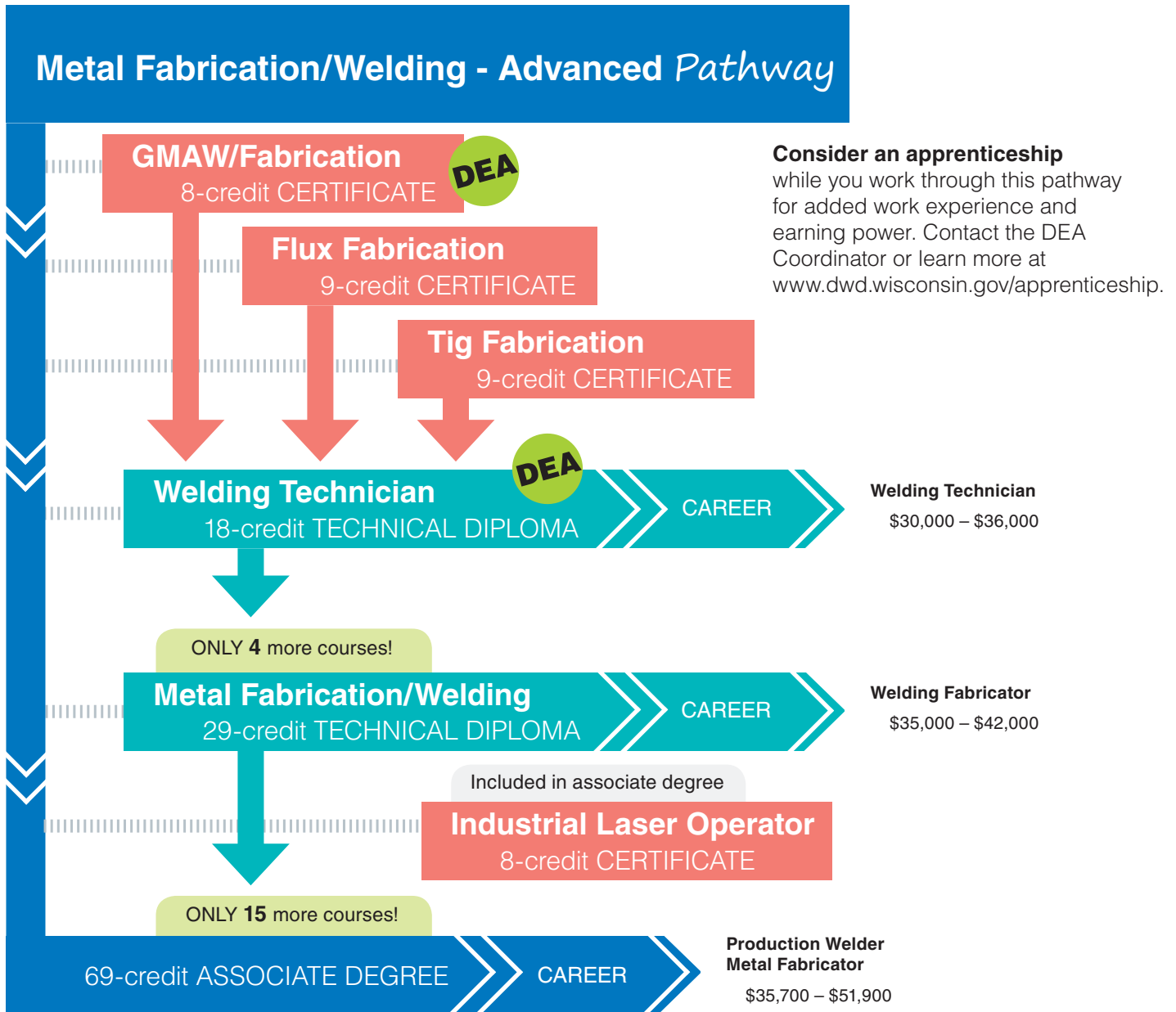
# Metal Fabrication/Welding - Advanced

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

## Pathway

Earn certificates, technical diplomas and/or industry credentials along this pathway. Start with some courses for entry-level employment, and continue with additional courses for higher wages and job advancement.

*Your DEA credits count!*



Continue on your educational pathway to a bachelor's degree!  
WCTC has many transfer agreements in place to make the process seamless.

*To qualify for most federal and state financial aid, a student must be enrolled in a technical diploma or associate degree program.*

Employment/wage data sourced from the following: WCTC's "Graduate Success Report, Economic Modeling Specialists International (EMS), and Payscale.com, as well as Advisory Committee input.

Waukesha County Technical College does not discriminate on the basis of race, color, national origin, sex, sexual orientation, disability or age in employment, admissions or its programs or activities. The following position has been designated to handle inquiries regarding the College's non-discrimination policies: Compliance Officer, 800 Main Street, Pewaukee, WI 53072 or 262.695.3481.



WAUKESHA COUNTY TECHNICAL COLLEGE

SCHOOL OF Applied Technologies