

Welding

PROGRAM CODE: 31-442-1

TD

Technical Diploma



Location: Mequon Campus, Oak Creek Campus, and the MATC Education Center at Walker's Square

Start Dates: August and January

Admission Requirement: High school diploma or equivalent

Financial Aid Eligible: Yes. Use code 003866 at fafsa.gov.

Program Description

Gain the skills to perform production, maintenance and repair welding for manufacturing and construction. Learn about blueprints, equipment maintenance and the various welding processes and settings.

Career Outlook

Demand is high for welders with up-to-date skills; new processes have created many job opportunities for welders with these abilities.

Program Learning Outcomes

- Demonstrate industry-recognized safety practices.
- Interpret welding drawings.
- Produce gas metal arc welds (GMAW).
- Produce shielded metal arc welds (SMAW).
- Produce flux cored arc welds (FCAW).
- Produce gas tungsten arc welds (GTAW).
- Perform cutting operations.



Complete Program Details

QUESTIONS? 414-297-8901 or mctpathway@matc.edu

COURSES

	CREDITS
WELD-313 Shielded Metal Arc Welding ^	5
WELD-314 Gas Tungsten Arc Welding ^	5
WELD-350 GTAW Processes ^	1
WELD-351 Shielded Metal Arc Welding Processes ^	1
WELD-360 Blueprint Reading for Welders ^	2
WELD-380 Welding Trades Mathematics ^	1
ENG-340 Workplace Communication ^	2
(or) ENG-195 Written Communication ‡	
WELD-315 Gas Metal Arc Welding Practices	5
WELD-316 Layout and Setup Practices	5
WELD-352 Gas-Shielded Arc Welding Processes	1
WELD-354 Layout and Print Reading Practices ‡	2

CREDITS

Total credits needed to complete this diploma

30

‡ Prerequisite required.

^ Counts toward earning the Welding Fundamentals certificate.

Program curriculum requirements are subject to change.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

MATC courses are offered in person, entirely online or partially online. Check each course's delivery options in Self-Service at selfservice.matc.edu.