



# Welding Fundamentals

**CERTIFICATE** Mequon, Oak Creek and West Allis campuses

Develop entry-level welding skills in shielded metal arc welding and gas tungsten arc welding. You also will gain fundamental blueprint reading skills and strengthen workplace communication skills.

## Admission Requirement

- A high school diploma or GED

After earning this certificate, your credits can be applied to completing the Welding technical diploma and the Advanced Metal Fabrication technical diploma.

## COURSES

## Credits

(1) <b>ENG-340</b>	Workplace Communication.....	2
(1) <b>WELD-313</b>	Shielded Metal Arc Welding.....	5
(1) <b>WELD-314</b>	Gas Tungsten Arc Welding .....	5
(1) <b>WELD-350</b>	GTAW Processes .....	1
(1) <b>WELD-351</b>	Shielded Metal Arc Welding Processes .....	1
(1) <b>WELD-360</b>	Blueprint Reading for Welders.....	2
(1) <b>WELD-380</b>	Welding Trades Mathematics.....	1

**TOTAL CREDITS: 17**

( ) Semester order for full-time students.

Program curriculum requirements are subject to change.

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



**Manufacturing, Construction & Transportation**

**MILWAUKEE AREA Technical College**

matc.edu | 414-297-MATC

**Start dates:** August and January

**For complete information, go to**  
[matc.edu/course-catalog/manufacturing-construction-transportation](http://matc.edu/course-catalog/manufacturing-construction-transportation)

### A Quick Study

MATC certificate programs provide focused, career-centered learning and many can be completed in one semester. They fulfill the needs of local businesses and have the input of industry professionals. Certificate programs train you for specific skills that are in demand, improving your odds of getting the job.

### Explore MATC's Certificate Programs

- Strengthen core skills.
- Add traction to your résumé.
- Enhance your employability.
- Try out a new career.
- Earn credits toward a related associate degree or technical diploma.
- Ease back into college if you have been away for a while.

All credits in certificate programs must be earned at MATC with a 2.0 cumulative GPA or higher.

Upon completion of the certificate's requirements, the student's transcript is notated with the credential earned.

Some certificates can be earned while completing associate degrees and/or technical diplomas that are eligible for financial aid. Certificate programs alone are not eligible for financial aid; contact MATC for details.

### Possible Careers

- Quality Assurance Inspector
- Robotic Welding Technician
- Welder

### Related Programs

- Welding
- Welding Technology
- Advanced Metal Fabrication



[matc.edu](http://matc.edu) or 414-297-MATC  
Wisconsin Relay System 711

#### Downtown Milwaukee Campus

700 West State Street

#### Mequon Campus

5555 West Highland Road

#### Oak Creek Campus

6665 South Howell Avenue

#### West Allis Campus

1200 South 71st Street

#### MATC Education Center at Walker's Square

816 West National Avenue, Milwaukee