

# WELDING

**Program Number:** 31-442-1

Technical Diploma (1 year)

**Campus:** Beaver Dam, Fond du Lac, and Jackson Regional Center

This program is eligible for financial aid (<http://www.morainepark.edu/financial-aid/>)

Do you love working with your hands and technology? Make your mark—and a few sparks—with a career in welding through Moraine Park Technical College's 1-year Welding technical diploma.

## About the Program

Want to become a welder? Get the training you need to gain entry-level employment (in less than a year!) in Moraine Park's Welding technical diploma program.

Moraine Park's Welding technical diploma program teaches individuals the welding and fabrication skills needed in today's industries. Through hands-on experience in a welding laboratory, students gain skills in all welding positions.

## What You'll Learn

Upon completion, students will know how to interpret welding drawings, operate metal fabricating equipment, perform thermal cutting, produce gas metal arc welds (GMAW), produce gas tungsten arc welds (GTAW), produce shielded metal arc welds (SMAW), produce flux cored arc welds (FCAW) and demonstrate safety practices.

## Transfer Opportunities

Earn credits at MPTC and transfer to a four-year college to earn your bachelor's degree.

Visit the Transfer Opportunities (<https://www.morainepark.edu/academics/transfer-information/transfer-to-a-four-year-college/>) page for more information on credit transfer agreements between Moraine Park and four-year colleges, both public and private.

## Additional Information

Student project may incur additional fees.

## Admission Process

Standard Admissions (<http://www.morainepark.edu/admissions/new-student/how-to-apply-for-admissions/>) steps details

## Credit for Prior Learning

Earn college credit outside the classroom through Moraine Park's Credit for Prior Learning (CPL) opportunities. Credit opportunities are available for:

- Previous college coursework from prior institutions
- Military training and experience
- Passing of MPTC or national exams
- Skills or knowledge developed on the job or through other life experiences

Visit MPTC's Credit for Prior Learning (<https://www.morainepark.edu/academics/transfer-information/credit-for-prior-learning/>) page for more information.

## Approximate Costs

- \$141.00 per credit (resident)
- \$211.50 per credit (out-of-state resident)
- Online students are not charged out-of-state fees.
- Please refer to the MPTC Student Handbook (<http://www.morainepark.edu/studenthandbook/>) for additional enrollment fee information.

## Financial Aid

Financial Aid is provided to aid eligible associate degree and technical diploma programs with 28 credits or more. Processing can take 6-8 weeks after a student's completed Free Application for Federal Student Aid (FAFSA (<https://studentaid.gov/h/apply-for-aid/fafsa/>)) is received. Visit the Financial Aid (<https://www.morainepark.edu/pay-for-college/financial-aid/>) page to learn more.

## Course Requirements

Course	Title	Credits
<b>Semester 1</b>		
103-159	Computer Literacy - Microsoft Office	1
442-331	Welding Print Reading	2
442-338	Cutting Processes	1
442-356	Shielded Metal Arc Welding (SMAW)	2
442-357	Gas Metal Arc Welding 1 (GMAW)	2
442-358	Gas Metal Arc Welding 2 (GMAW)	2
804-360	Occupational Mathematics 1	2
890-101	College 101	2
<b>Credits</b>		<b>14</b>
<b>Semester 2</b>		
442-359	Flux Core Arc Welding (FCAW)	2
442-370	Introduction to Robotic Welding	2
442-386	Gas Tungsten Arc Welding 1 (GTAW)	2
442-387	Gas Tungsten Arc Welding 2 (GTAW)	2
442-392	Advanced Welding and Metals	2
457-345	Metal Fabrication	4
<b>Credits</b>		<b>14</b>
<b>Total Credits</b>		<b>28</b>

## Program Outcomes

- Interpret welding drawings.
- Operate metal fabricating equipment.
- Perform thermal cutting.
- Produce gas metal arc welds (GMAW).
- Produce gas tungsten arc welds (GTAW).
- Produce shielded metal arc welds (SMAW).
- Produce flux core welds (FCAW).
- Demonstrate industry-recognized safety practices.

## Program Opportunities

Many credits from the Welding technical diploma will transfer into the Metal Fabrication (<https://www.morainepark.edu/academics/programs/metal-fabrication/>) technical diploma. If the Welding program interests

you and you are interested in opportunities to continue your education in the fabrication field, meet with your academic advisor.

## Pathways

- Welding Technical Diploma (p. 1)
  - Gas Metal Arc Welding Certificate (<https://catalog.morainepark.edu/programs/gas-metal-arc-welding-certificate/>)
  - Gas Tungsten Arc Welding Certificate (<https://catalog.morainepark.edu/programs/gas-tungsten-arc-welding-certificate/>)
  - Shielded Metal Arc Welding Certificate (<https://catalog.morainepark.edu/programs/shielded-metal-arc-welding-certificate/>)

Earn certificates and a technical diploma along this pathway. Start with some courses for entry-level employment, and continue with additional courses for higher wages and job advancement.

## Career Opportunities

- Production Welder
- Pre-Apprentice/Apprentice
- Welder/Fitter
- Finish Welder
- Welder/Fabricator
- Robotic Welding Operator

## Statewide Median Salary for Recent Graduates

\$40,946