

MANUFACTURING FUNDAMENTALS CERTIFICATE

Program Number: 61-457-1

Certificate

Campus: Fond du Lac

This program is **not** eligible for financial aid

A short time investment and you're on your way to an entry-level position in the manufacturing industry. Gain the hands-on skills you need in Moraine Park Technical College's Manufacturing Fundamentals certificate.

About the Program

Gain the skills (and confidence) you need for an entry-level position in the manufacturing industry through Moraine Park's hands-on Manufacturing Fundamentals certificate. Students get an introduction to manufacturing processes as well as basic training to safely operate machines such as lathes, milling machines and surface grinders.

What You'll Learn

Students learn how to read, visualize and interpret industrial blueprints, and practice using basic measuring equipment such as scales, micrometers, dial calipers and gage blocks.

The courses in this certificate can be directly transferred into Moraine Park's Automated Manufacturing Technician (<https://catalog.morainepark.edu/programs/automated-manufacturing-technician/>) technical diploma and Quality and Advanced Manufacturing Technology (<https://catalog.morainepark.edu/programs/quality-advanced-manufacturing-technology/>) associate degree.

Transfer Opportunities

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

Visit the Transfer to a Four-Year College (<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.

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

Tuition

Occupational

- \$146.20 per credit (resident)
- \$219.30 per credit (out-of-state resident)

Associate of Arts/Associate of Science

- \$188.90 per credit (resident)
- \$283.35 per credit (out-of-state resident)

Online students are not charged out-of-state fees.

Student Fees

- \$4.50 minimum per course Material Fee
- \$12.50 per-credit Supplemental Fee for Undergraduate courses
- \$10 minimum per credit Online Course Fee (Fee suspended for 2023-2024)
- \$4.50 per term mandatory Student Accident Insurance Fee

Please refer to Tuition & Fee Information (<https://catalog.morainepark.edu/admissions-registration/tuition-fee-information/>) for additional enrollment fee information.

Course Requirements

Course	Title	Credits
623-110	Technical Print Reading	2
623-162	Manufacturing Processes	3
804-107 or 804-195	College Mathematics or College Algebra with Applications	3
Credits		8
Total Credits		8

Pathways

- Quality and Advanced Manufacturing Technology Associate Degree (<https://catalog.morainepark.edu/programs/quality-advanced-manufacturing-technology/>)
 - Automated Manufacturing Technician Technical Diploma (<https://catalog.morainepark.edu/programs/automated-manufacturing-technician/>)
 - Computer Numerical Control Certificate (<https://catalog.morainepark.edu/programs/computer-numerical-control-certificate/>)
 - Manufacturing Fundamentals Certificate (p. 1)
 - Quality/Supervision Certificate (<https://catalog.morainepark.edu/programs/quality-supervision-certificate/>)

Earn certificates, a technical diploma and an associate degree 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 Assembler
- Team Assembler
- Assembly Operator