

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

Your academic journey can continue at a four-year college or university. Earn your associate degree at Moraine Park and then apply those credits toward a bachelor's degree. Starting at MPTC makes completing a bachelor's degree **affordable, accessible and convenient**. You can go anywhere as MPTC has transfer agreements with colleges and universities both in Wisconsin and throughout the country.

Visit the Transfer to a Four-Year College (<https://www.morainepark.edu/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

Transform the skills and abilities developed through previous experience into college credit through MPTC's Credit for Prior Learning process.

- Transfer credit from other colleges/universities
- Earn college credit for your military training and experience

- Earn college credit via Advance Placement, CLEP, DANTES/DSST or MPTC Challenge Exams
- Earn college credit from previous/current work and life experiences

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

Approximate Costs

Tuition

Occupational

- \$149.50 per credit (resident)
- \$224.25 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

- \$5.00 minimum per course Material Fee
- \$12.50 per-credit Supplemental Fee for Undergraduate courses
- \$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 |
|-----------------------|-------------------------------------------------------------|----------|
| Courses | | |
| 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