

COMPUTER NUMERICAL CONTROL CERTIFICATE

Program Number: 97-628-1
Certificate

Campus: Fond du Lac

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

Gain skills manufacturing employers are looking for and land a CNC machinist job with MPTC's Computer Numerical Control (CNC) Certificate.

About the Program

Manufacturers seek out employees skilled in Computer Numerical Control (CNC) set up, operations and programming—increase your job opportunities with a CNC certificate.

Moraine Park's CNC Certificate is great for adults who have previously worked in the manufacturing industry and are looking for short-term training. The certificate program provides the fundamental concepts of CNC as well as hands-on coursework with computer-aided drafting (CAD) software and operation of CNC equipment.

What You'll Learn

Moraine Park's CNC training courses are designed to give students an inside look at what it's like to be a CNC machinist through hands-on courses in technical print reading, manufacturing process, CNC programming and operation, and metrology.

Courses are directly transferable to Moraine Park's Quality and Advanced Manufacturing Technology (<https://catalog.morainepark.edu/programs/quality-advanced-manufacturing-technology-aas/>) Associate of Applied Science degree if students wish to further their education in this field.

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.

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.

Course Requirements

| Course | Title | Credits |
|-----------------------|--|--------------|
| Semester 1 | | |
| 103-159 | Computer Literacy - Microsoft Office | 1 |
| 623-110 | Technical Print Reading | 2 |
| 623-162 | Manufacturing Processes | 3 |
| 623-191 | Basic Metrology | 2 |
| 628-122 | Basic CNC Programming and Operation | 3 |
| 628-132 | Advanced CNC Programming and Operation | 3 |
| 804-118 or 804-195 | Intermediate Algebra With Applications or College Algebra with Applications | 3-4 |
| Credits | | 17-18 |
| Total Credits | | 17-18 |

Pathways

- Quality and Advanced Manufacturing Technology Associate Degree (<https://catalog.morainepark.edu/programs/quality-advanced-manufacturing-technology/>)
 - Computer Numerical Control Certificate (p. 1)
 - Quality/Supervision Certificate (<https://catalog.morainepark.edu/programs/quality-supervision-certificate/>)

Earn certificates 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

Graduates will be able to operate CNC equipment for metal fabrication, tool and die shops, furniture manufacturers, apparel manufacturers and plastic manufacturers.