

CNC SET-UP/OPERATOR CERTIFICATE

Program Number: 97-444-1

Certificate

Campus: West Bend

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

Whether you're looking for a career change or just graduated from high school, Moraine Park's CNC Set-Up/Operator Certificate is designed to help people with little to no manufacturing experience gain entry-level employment as a CNC operator.

About the Program

Computer Numerical Controlled (CNC) equipment operators work in metalworking and plastics manufacturing companies to set up and monitor multiple machines, clean and prepare machines for the next job, maintain quality control of the parts being machined and troubleshoot machines when necessary.

Moraine Park's CNC set-up/operator training is designed for individuals with little to no manufacturing background, and provides hands-on CNC machine training.

What You'll Learn

Moraine Park's CNC Set-Up/Operator Certificate covers how to perform:

- Operation of machine tools
- Computer operations
- Entry-level CNC programming
- CNC setup
- CNC operation
- Industrial trades math
- Blueprint reading
- Use of precision measuring equipment

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
439-307	Basic Machining	3
439-308	Manual Manufacturing	3
439-399	2D CAD Mold and Die Print Reading	2
444-302	CNC Controls	2
444-350	Basic Programming	3
804-360	Occupational Mathematics 1	2
Credits		16
Semester 2		
444-340	Beginning CAM - Mastercam	2
444-355	CNC Machining Center Programming	2
444-365	CNC Machining Center Operation	2
804-361	Occupational Mathematics 2	2
Credits		8
Total Credits		24

Pathways

- CNC/Tool and Die Technologies Technical Diploma (<https://catalog.morainepark.edu/programs/cnc-tool-and-die-technologies/>)
 - CNC Set-up/Operator Certificate (p. 1)
 - Introduction to CNC Operations Certificate (<https://catalog.morainepark.edu/programs/introduction-to-cnc-operations-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

Graduates of the CNC Set-Up/Operator Certificate are encouraged to continue their formal training; Moraine Park offers a two-year CNC/Tool and Die Technologies (<https://catalog.morainepark.edu/programs/cnc-tool-and-die-technologies/>) technical diploma program. All courses of the certificate are transferable into the technical diploma program. Graduates of the certificate can find employment in machine shops, metal fabrication, tool and die shops, furniture and wood product manufacturers, and plastics manufacturers.