

# INTRODUCTION TO CNC OPERATIONS CERTIFICATE

**Program Number:** 61-444-3

Certificate

**Campus:** West Bend

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

## About the Program

CNC equipment operators handle the initial startup of a program, maintain quality control of the parts being machined and troubleshoot CNC machine tools when necessary. This certificate covers how to operate machine tools, CNC setup, CNC operation, industrial trade's math, blueprint reading and how to use measuring equipment.

## 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.

## Additional Information

Courses from this certificate transfer into the CNC/Tool and Die Technologies (<https://catalog.morainepark.edu/program-information/programs/cnc-tool-and-die-technologies/>) technical diploma.

## 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

**NOTE: The fees below are 2025-2026 fees. They will be updated when 2026-2027 fees are approved.**

**Tuition**

Occupational

- \$152.85 per credit (resident)
- \$229.28 per credit (out-of-state resident)

Associate of Arts/Associate of Science

- \$192.20 per credit (resident)
- \$288.30 per credit (out-of-state resident)

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

**Student Fees**

- \$5.00 minimum per course Material Fee
- \$13.76 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
<b>Semester 1</b>		
439-399	2D CAD Mold and Die Print Reading	2
444-350	Basic Programming	3
444-365	CNC Machining Center Operation	2
804-360	Occupational Mathematics 1	2
<b>Credits</b>		<b>9</b>
<b>Total Credits</b>		<b>9</b>

## Pathways

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

Earn a certificate 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.