



## CNC Machine Technology C.C.

Curriculum Code: 1797

Effective: Fall 2021 – Summer 2026

### Description

This certificate is designed for a person interested in developing his/her skill set in the machinist or tool & die trade. Students receive hands-on instruction in manual machining, basic computer numerical control (CNC) machining/programming, basic computer aided machining (CAM), basics of geometric dimensioning and tolerancing, blueprint reading, and manufacturing principles. Employment possibilities include entry-level positions in manufacturing companies. Technical math, blueprint reading, and metallurgy are just some of the skills and knowledge that are necessary for this type of work.

### Additional Information

All course work will apply to the Certificate of Achievement in CNC Machine Technology and the Associate in Applied Science Degree in Manufacturing Engineering Technology.

### Contact Information

Contact the Trades Technology Program, West Campus Building, Room M103, telephone number 517-483-5338, or Student Services West Campus, West Campus Building, Room M106, telephone number 517-267-5452.

### Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
METD 100	Basic Mechanical Drafting	3 / 4
METD 130	Geometric Dimension/Tolerance	4 / 6
METM 108	Machine Tool Operations	4 / 6
METM 112	Introduction to CNC Machining	4 / 6
METM 220	Basic Mastercam	4 / 6
METS 102	Industrial/Construction Safety	2 / 3

### Total Credit Hours

21 credits / 31 billing hours

### Recommended Course Sequence

Semester I	Semester II
METD 100	METD 130
METM 108	METM 112
METS 102	METM 220