LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

CNC Technician
Certificate of Completion

Curriculum Code: 1522 (Effective Fall 2016- Summer 2021)

Students receive hands-on instruction in the basics of geometric dimensioning and tolerancing, blueprint reading, introduction to manufacturing principles and computer numerical control programming. Employment possibilities include entry-level positions in manufacturing companies.

PREREQUISITES

Students should see *Course Descriptions* for course prerequisite information. See *Academic Assessment and Placement Testing for Student Success* for skills assessment and advising information.

INFORMATION

Contact the Applied Manufacturing Technologies Program, West Campus Building, Room M103, telephone number (517) 483-5338 (Website: www.lcc.edu/manufacturing/) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

REQUIREMENTS — TOTAL: 15 CREDITS

CODE	TITLE	CREDIT HOURS
METD 130	Geometric Dimension/Tolerance (See Note 1)	4
METD 150	Industrial Blueprint Reading	3
METM 110	Intro to Precision Machining (See Note 1)	4
METM 150	Advanced Precision Machining	4

LIMITED CHOICE REQUIREMENTS — TOTAL: 2-4 CREDITS

Complete the indicated number of credits from **EACH CHOICE** listed below.

CHOICE 1: Trade Related (See Note 2) — 2-4 Credits

METD 100	Basic Mechanical Drafting	3
METD 105	PC Applications for Technology	3
METM 170	Special Topics/Precision Mach	2-4
METM 220	Basic Mastercam	4

MINIMUM TOTAL **17**

NOTES:

1. Basic mechanical drafting skills are necessary to begin this curriculum and may be demonstrated by a score of 80% or better on the Drafting Placement Test or by passing METD 100 or METD 150 with a 2.0 minimum grade which would also fulfill the "CHOICE 1" of this curriculum.
2. Contact an Applied Manufacturing Technologies Program advisor at (517) 483-5338 for additional courses that may satisfy this area.
3. To receive a certificate of completion from Lansing Community College, a student must maintain a grade point average of 2.0 or above in the courses required for the certificate.

SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor for help with adjustments.

I	II	III
METD 150	METD 130	METM 150
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