

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

CNC Technician
Certificate of Completion

Curriculum Code: 1522 (Effective Fall 2009– Summer 2014)

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* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

INFORMATION

Contact the Manufacturing Engineering Technologies Department, West Campus Building, Room 103, telephone number (517) 483-1339.

REQUIREMENTS

CODE	TITLE	TOTAL: 14 CREDITS CREDIT HOURS
METD 130	Geometric Dimension/Tolerance (See Note 1)	3
METD 150	Industrial Blueprint Reading (See Note 1)	3
METM 110	Intro to Precision Machining (See Note 1 and 2)	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 3)

2-4 Credits

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

MINIMUM TOTAL

16

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 with a 2.0 minimum grade which would also fulfill the CHOICE 1 of this curriculum.
2. Basic computer skills are necessary for this course and can be demonstrated by a score of 80% or better on the PC applications for Technology Placement Test or by passing METD 105 with a 2.0 minimum grade which would also fulfill the CHOICE 1 of this curriculum.
3. Contact a Manufacturing Engineering Technologies Department advisor at (517) 483-1339 for additional courses that may satisfy this area.

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 or counselor for help with adjustments.

I

METD 150
METM 110
Lim.Ch.

II

METD 130
METM 150