

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Manufacturing Engineering Technology
Certificate of Completion

Curriculum Code: 1357 (Effective Fall 2008 – Summer 2013)

This program provides an introduction to manufacturing principles and prepares individuals to pursue entry-level employment and advanced training and/or an apprenticeship. Students receive instruction in the use of two-dimensional engineering design graphics, computer numerical control programming, manufacturing processes, tools for production, and engineering changes. Employment possibilities include entry-level positions in engineering firms, consulting firms, and manufacturing companies that make automotive, defense, special machinery, and medical components, to name a few.

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 M103, telephone number (517) 483-1339 (Website: www.lcc.edu/manufacturing/) or Student Services West Campus, West Campus Building, Room M106, telephone (517) 267-5510.

REQUIREMENTS (See Note 1)

CODE	TITLE	TOTAL: 18 CREDITS CREDIT HOURS
METD 105	PC Applications for Technology	3
METD 110	Mechanical CAD Drafting I (See Note 1)	4
METM 100	Manufacturing Processes	4
METM 110	Intro to Precision Machining (See Note 1)	4
METS 115	Intro to Mechanical Systems	3
MINIMUM TOTAL		18

NOTE:

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 (previously CADD 100) with a 2.0 minimum grade.

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	II
METD 105	METD 110
METM 100	METM 110
METS 115	