

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Manufacturing Engineering Technology  
Certificate of Completion

Curriculum Code: 1357 (Effective Fall 2017 – Summer 2022)

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](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

### INFORMATION

Contact the Center for Manufacturing Excellence, West Campus Building, 5708 Cornerstone Drive, Lansing MI 48917, Room M103, telephone number (517) 483-1104 or by email at [manufacturing@lcc.edu](mailto:manufacturing@lcc.edu). View our website at <http://www.lcc.edu/cme/> for more information.

### REQUIREMENTS (See Note 1)

**TOTAL: 18 CREDITS**

CODE	TITLE	CREDIT HOURS
METD 105	PC Applications for Technology	3
METD 110	Mechanical CAD Drafting I (See Note 1)	4
METM 100	Manufacturing Processes	3
METM 108	Machine Tool Operations (See Note 1)	4
METS 115	Intro to Mechanical Systems	4
<b>MINIMUM TOTAL</b>		<b>18</b>

### 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.

2. 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.

<b>I</b>	<b>II</b>
METD 105	METD 110
METM 100	METM 108
METS 115	