

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Mechanical Systems
Certificate of Achievement

Curriculum Code: 0147 (Effective Fall 2008 – Summer 2013)

This program provides technical knowledge and skills in the adjustment, maintenance, part replacement, and repair of tools, equipment and machines. It prepares an individual for an entry-level position.

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/mfg_maint/) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5510.

REQUIREMENTS (See Notes 1 and 2)

CODE	TITLE	TOTAL: 32 CREDITS CREDIT HOURS
ELTE 100	Electrical Safety Practices	1
ELTE 110	Practical Electricity	3
METD 150	Industrial Blueprint Reading (See Note 1)	3
METM 110	Intro to Precision Machining (See Notes 1 and 2)	4
METS 100	Maintenance Safety Practices	2
METS 110	Mechanical Power Transmissions	4
METS 130	Industrial Hydraulics	4
METS 140	Rigging	3
METS 210	Lubrication and Bearings	4
WELD 100	Combination Welding	4
MINIMUM TOTAL		32

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. Basic computer skills are necessary to begin this curriculum and may 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.

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	III
ELTE 100	METS 110	WELD 100
ELTE 110	METS 130	
METD 150	METS 140	
METM 110	METS 210	
METS 100		