

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Mechanical Systems
Certificate of Achievement

Curriculum Code: 0147 (Effective Fall 2016 – Summer 2021)

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](#) 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/met_systems/) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

REQUIREMENTS

TOTAL: 32 CREDITS

CODE	TITLE	CREDIT HOURS
ELTA 120	AC Fundamentals - Electrician	2
ELTE 108	Practical Electricity I (See Note 1)	2
ELTE 131	Machine Controls I	4
MATH 115	Technical Math II	4
METD 150	Industrial Blueprint Reading	3
METM 110	Intro to Precision Machining	4
METS 102	Industrial/Construction Safety (See Note 1)	2
METS 105	Handtools and Measurements (See Note 1)	3
METS 110	Mechanical Power Transmissions (See Note 1)	4
METS 130	Industrial Hydraulics (See Note 1)	4
MINIMUM TOTAL		32

NOTES:

1. Students who have already completed DCTM 102, ELTE 102, HVAC 102 or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for METS 102. Any of these courses may also be used to fulfill the prerequisite for ELTE 108 and the METS courses.
2. To receive a certificate of achievement 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
ELTE108	ELTA 120
MATH 115	ELTE 131
METD 150	METM 110
METS 102	METS 110
METS 105	METS 130