

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Automotive Technology, Engine and Transmission Overhaul Specialist  
Certificate of Achievement

Curriculum Code: 1762 (Effective Fall 2016 – Summer 2021)

This program prepares individuals to work as an automotive engine, automatic transmission, manual transmission, and driveline systems overhaul specialist. Students will build upon the ASE Maintenance and Light Repair (MLR) skills to specialize in repair, maintenance, and overhaul of engine, automatic transmission, manual transmission, and driveline systems of the automobile. This prepares the student for ASE testing and certification in these specialty areas. Certification in all eight (8) areas leads to an ASE Master Technician certification that is recognized nationally. ASE Certified technicians are more desirable to employers. All credits in this program apply toward the Automotive Technologies Associate degrees. The Automotive Technology Program is a National Automotive Technicians Education Foundation (NATEF) Certified Training Program, evaluated by the National Institute for Automotive Service Excellence (ASE).

### 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 Automotive Technology Program, West Campus Building, Room M103, telephone number (517) 267-6406 (Website: [www.lcc.edu/transportation/automotive/](http://www.lcc.edu/transportation/automotive/)) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

### REQUIREMENTS

CODE	TITLE	TOTAL: 40 CREDITS CREDIT HOURS
AUTM 101	Automotive Shop Safety	2
AUTM 110	Auto Electrical Fundamentals	4
AUTM 112	Battery/Start/Charge Systems	2
AUTM 115	Snap-On Diagnostic Equip Cert	2
AUTM 120	Manual Trans and Driveline I	1
AUTM 121	Automatic Transmissions I	1
AUTM 130	Engine Mechanical Repair I	2
AUTM 140	Braking Systems and ABS I	2
AUTM 150	Steering and Suspension I	2
AUTM 160	Heating/Air Conditioning I	1

AUTM 170	Drivability Fundamentals	2
AUTM 190	ASE-MLR Automotive Internship	2
AUTM 195	ASE-MLR Certification	1
AUTM 210	Adv Electrical/Electronics	5
AUTM 220	Manual Trans and Driveline II	2
AUTM 221	Automatic Transmissions II	5
AUTM 230	Engine Mechanical Repair II	4
<b>MINIMUM TOTAL</b>		<b>40</b>

**NOTE:**

1. Students must complete each of these courses with a minimum 2.0 grade to receive this 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 or counselor for help with adjustments.

<b>I</b>	<b>II</b>	<b>III</b>
AUTM 101	AUTM 140	AUTM 220
AUTM 110	AUTM 150	AUTM 221
AUTM 112	AUTM 160	AUTM 230
AUTM 115	AUTM 170	
AUTM 120	AUTM 190	
AUTM 121	AUTM 195	
AUTM 130	AUTM 210	