

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Automotive Technology, Drivability and Electrical Diagnostic Specialist  
Associate in Applied Science

Curriculum Code: 1759 (Effective Fall 2016 – Summer 2021)

### Program Description

This program prepares individuals to work as an automotive drivability diagnostic technician. Students who complete this degree will further their education in the engine drivability diagnosis field of study. Students will specialize in gasoline and light duty diesel drivability diagnostic strategies and the maintenance and repair of these systems. 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). Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

### 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

REQUIREMENTS		TOTAL: 49 CREDITS
CODE	TITLE	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 180	Intro to Alternative Fuels	2
AUTM 190	ASE-MLR Automotive Internship	2

AUTM 195	ASE-MLR Certification	1
AUTM 210	Adv Electrical/Electronics	5
AUTM 260	Heating/Air Conditioning II	2
AUTM 270	Gas Eng Drivability Diagnosis	4
AUTM 273	Lt. Diesel Drivability Diag.	4
AUTM 275	Ignition/Emission Sys Diag.	4
AUTM 290	Automotive Internship	2
AUTM 295	Automotive Mastery Cert	2

### LIMITED CHOICE REQUIREMENTS

**TOTAL: 16–22 CREDITS**

Complete the indicated number of credits from **EACH CHOICE** listed below.

### CHOICE 1: [General Education Core Areas](#)

**16–22 Credits**

(See *General Education Core Requirements* for information on how to fulfill these requirements.

Core area proficiency exams, where appropriate, are available for each core area.)

Communication Core Area (See Note 1)	3–4
Global Perspectives and Diversity Core Area (See Note 2)	3–4
Mathematics Core Area (See Note 3)	3–5
Science Core Area (See Note 4)	4–5
Writing Core Area (See Note 5)	3–4

### MINIMUM TOTAL

**65**

### NOTES:

1. SPCH 110–Oral Comm. in the Workplace is suggested for non–transfer students for this Core area.
2. MGMT 234–Diversity in the Workplace is suggested for non–transfer students for this Core area.
3. MATH 115–Technical Math II is suggested for non–transfer students for this Core area.
4. PHYS 200–Intro Physics with Application is suggested for non–transfer students for this Core area.
5. WRIT 124–Technical Writing is suggested for non–transfer students for this Core area.
6. Students must complete each of these courses with a minimum 2.0 grade to receive this degree.

### 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 – Fall**

AUTM 101  
AUTM 110  
AUTM 112  
AUTM 115  
AUTM 120  
AUTM 121  
AUTM 130  
Lim.Ch.1-WRITING

**II – Spring**

AUTM 140  
AUTM 150  
AUTM 160  
AUTM 170  
AUTM 180  
AUTM 190  
AUTM 195  
Lim.Ch.1-MATH

**III – Summer**

Lim.Ch.1-COMM.

**IV – Fall**

AUTM 210  
AUTM 260  
AUTM 270  
Lim.Ch.1-GLOBAL

**V – Spring**

AUTM 273  
AUTM 275  
AUTM 290  
AUTM 295  
Lim.Ch.1-SCIENCE