LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Advanced Technology Vehicles
Associate in Applied Science Degree

Curriculum Code: 1446 (Effective Fall 2014 – Summer 2019)

This program is intended for individuals who are currently employed in the automotive repair industry. Students are trained specifically in the area of advanced vehicle technology and are prepared to take the State of Michigan Mechanics Certification Tests to become automotive technicians through the Secretary of State. State certification tests are available at the end of fall and spring semesters in the LCC Automotive Program Office. 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). The Automotive Technology Program is also a member of the National Alternative Fuels Training Consortium (NAFTC). **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 Transportation Maintenance Technologies Program, West Campus Building, Room M127, telephone number (517) 267-6406 (Website: www.lcc.edu/transportation/automotive/) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

REQUIREMENTS (See Note 1) — TOTAL: 48 CREDITS

CODE	TITLE	CREDIT HOURS
AUTO 100	Basic Auto Service & Ethics	3
AUTO 111	Basic Electrical Diagnosis	3
AUTO 112	Batteries, Starting, Charging	2
AUTO 113	Electrical Accessory Diagnosis	2
AUTO 211	Adv Auto Electrical/Electronic	4
AUTO 221	Gasoline Engine Control Sys	5
AUTO 231	Lt. Diesel Engine Control Sys	4
AUTO 241	Adv. Computer System Diagnosis	5
AUTO 260	Intro to Alternative Fuels	2
AUTO 267	High Voltage Battery Tech	5
AUTO 268	High Voltage Management	5
AUTO 269	Hybrid Systems & Maintenance	5
AUTO 285	Automotive Internship	3

LIMITED CHOICE REQUIREMENTS — TOTAL: 16-21 CREDITS

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

CHOICE 1: General Education Core Areas **16-21 Credits**

(Click the link above 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 2)	3-4
Global Perspectives and Diversity Core Area (See Note 3)	3-4
Mathematics Core Area (See Note 4)	3-4
Science Core Area (See Note 5)	4-5
Writing Core Area (See Note 6)	3-4
MINIMUM TOTAL	**64**

NOTES:

1. Prerequisites to courses may be waived based on experience. See a program advisor prior to registration for more information.
2. SPCH 110-Oral Comm in the Workplace is the suggested course for non-transfer students in this Core area.
3. MGMT 234-Diversity in the Workplace is the suggested course for non-transfer students in this Core area.
4. MATH 115-Technical Math II is the suggested course for non-transfer students in this Core area.
5. PHYS 200-Intro Physics with Application is the suggested course for non-transfer students in this Core area.
6. WRIT 124-Technical Writing is the suggested course for non-transfer students in this Core area.

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	III	IV
AUTO 100	AUTO 211	Lim. Ch.	AUTO 231
AUTO 111	AUTO 221	Lim. Ch.	AUTO 241
AUTO 112	AUTO 260		AUTO 267
AUTO 113	Lim. Ch.		Lim. Ch.
Lim. Ch.			

V
AUTO 268
AUTO 269
AUTO 285