

## LANSING COMMUNITY COLLEGE

### CURRICULUM GUIDE

#### Advanced Technology Vehicles Certificate of Achievement

Curriculum Code: 1443 (Effective Fall 2014 – Summer 2019)

This certificate 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).

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

#### REQUIREMENTS (See Note 1)

CODE	TITLE	TOTAL: 41 CREDITS 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 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
<b>MINIMUM TOTAL</b>		<b>41</b>

#### NOTES:

1. Prerequisites to courses may be waived based on experience. See a program advisor prior to registration for more information.
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.

<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>
AUTO 100	AUTO 211	AUTO 241	AUTO 268
AUTO 111	AUTO 221	AUTO 267	AUTO 269
AUTO 112			
AUTO 113			
AUTO 260			