

## LANSING COMMUNITY COLLEGE

### CURRICULUM GUIDE

#### Advanced Technology Vehicles Certificate of Achievement

Curriculum Code: 1443 (Effective Fall 2011 – Summer 2016)

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* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section 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: 40 CREDITS CREDIT HOURS
AEET 218	Fuel Cell & Hydrogen Tech	3
AUTO 100	Automotive Service I	3
AUTO 110	Automotive Electrical Theory	5
AUTO 130	Automotive Engines I	5
AUTO 210	Adv Auto Electrical/Electronic	3
AUTO 215	Engine Performance & Tune-Up	5
AUTO 225	Automotive Computers	5
AUTO 260	Intro to Alternative Fuels	2
AUTO 263	Electric/Fuel Cell Technology	2
AUTO 264	Gaseous Fuels	3
AUTO 265	Hybrid Vehicle Technology	2
AUTO 266	Hydrogen Application & Safety	2
<b>MINIMUM TOTAL</b>		<b>40</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>
AEET 218	AUTO 210	AUTO 225	AUTO 260
AUTO 100	AUTO 215		AUTO 265
AUTO 110			
AUTO 130			
<b>V</b>			
AUTO 263			
AUTO 264			
AUTO 266			