

LANSING COMMUNITY COLLEGE
CURRICULUM GUIDE

Automotive Technology, Undercar Maintenance and Repair Specialist
Associate in Applied Science

Curriculum Code: 1765 (Effective Fall 2016 – Summer 2021)

This program prepares individuals to work as an automotive undercar technician. Students who complete this degree will further their education in the undercar field of study. Students will specialize in repair, maintenance, and diagnosis of brakes, suspension, transmissions, engines, and electrical systems of the automobile. 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/) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

REQUIREMENTS

| REQUIREMENTS | | TOTAL: 53 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 220 | Manual Trans and Driveline II | 2 |
| AUTM 221 | Automatic Transmissions II | 5 |
| AUTM 230 | Engine Mechanical Repair II | 4 |
| AUTM 240 | Braking Systems and ABS II | 3 |
| AUTM 250 | Steering and Suspension II | 2 |
| AUTM 260 | Heating/Air Conditioning II | 2 |
| 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

69

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.
Lim.Ch.1-GLOBAL

IV – Fall

AUTM 210
AUTM 220
AUTM 221
Lim.Ch.1-SCIENCE

V – Spring

AUTM 230
AUTM 240
AUTM 250
AUTM 260
AUTM 290
AUTM 295