

| LANSING COMMUNITY COLLEGE | | | |
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| Computer, Engineering/Manufacturing Industrial Technologies | | | |
| Curriculum Code: 1760 (Effective Fall 2017 – Summer 2022) | Automotive Technology, Drivability and Electrical Diagnostic Specialist C.A. Pathway | | |
| Semester I | Course Title | Prerequisites | Credit/ Billing Hours |
| Program of Study Requirements | | | |
| AUTM 101 | Automotive Shop Safety | Reading Level 3 and Writing Level 2 and Math Level 3 | 2 / 2 |
| AUTM 110 | Auto Electrical Fundamentals | Minimum 2.0 in ((AUTM 101 or concurrently) or AUTO 100) and Reading Level 3 and Writing Level 2 and Math Level 3 | 4 / 6 |
| AUTM 112 | Battery/Start/Charge Systems | Minimum 2.0 in ((AUTM 110 or concurrently) or AUTO 111) and Reading Level 3 and Writing Level 2 and Math Level 3 | 2 / 3 |
| AUTM 115 | Snap-On Diagnostic Equip Cert | Minimum 2.0 in ((AUTM 101 or concurrently) or AUTO 100) and Reading Level 3 and Writing Level 2 and Math Level 3 | 2 / 3 |
| AUTM 120 | Manual Trans and Driveline I | Minimum 2.0 in ((AUTM 101 or concurrently) or AUTO 100) and Reading Level 3 and Writing Level 2 and Math Level 3 | 1 / 1.5 |
| AUTM 121 | Automatic Transmissions I | Minimum 2.0 in ((AUTM 101 or concurrently) or AUTO 100) and Reading Level 3 and Writing Level 2 and Math Level 3 | 1 / 1.5 |
| AUTM 130 | Engine Mechanical Repair I | Minimum 2.0 in ((AUTM 101 or concurrently) or AUTO 100) and Reading Level 3 and Writing Level 2 and Math Level 3 | 2 / 3 |
| Credits | | | 14 / 20 |

| Semester II | Course Title | Prerequisites | Credit/Billing Hours |
|--------------------------------------|-------------------------------|--|----------------------|
| Program of Study Requirements | | | |
| AUTM 140 | Braking Systems and ABS I | Minimum 2.0 in ((AUTM 101 or concurrently) or AUTO 100) and Reading Level 3 and Writing Level 2 and Math Level 3 | 2 / 3 |
| AUTM 150 | Steering and Suspension I | Minimum 2.0 in ((AUTM 101 or concurrently) or AUTO 100) and Reading Level 3 and Writing Level 2 and Math Level 3 | 2 / 3 |
| AUTM 160 | Heating/Air Conditioning I | Minimum 2.0 in ((AUTM 101 or concurrently) or AUTO 100) and Reading Level 3 and Writing Level 2 and Math Level 3 | 1 / 1.5 |
| AUTM 170 | Drivability Fundamentals | Minimum 2.0 in ((AUTM 101 or concurrently) or AUTO 100) and Reading Level 3 and Writing Level 2 and Math Level 3 | 2 / 3 |
| AUTM 190 | ASE-MLR Automotive Internship | Department Approval | 2 / 2 |
| AUTM 195 | ASE-MLR Certification | Minimum 2.0 in (AUTM 190 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 3 | 1 / 1 |
| AUTM 210 | Adv Electrical/Electronics | Minimum 2.0 in (AUTM 110 or AUTO 111) and Reading Level 3 and Writing Level 2 and Math Level 3 | 5 / 8 |
| Credits | | | 15 / 21.5 |

| Semester III | Course Title | Prerequisites | Credit/Billing Hours |
|--------------------------------------|-------------------------------|--|----------------------|
| Program of Study Requirements | | | |
| AUTM 270 | Gas Eng Drivability Diagnosis | Minimum 2.0 in ((AUTM 210 or concurrently) or AUTO 211) and Reading Level 3 and Writing Level 2 and Math Level 3 | 4 / 6 |
| AUTM 273 | Lt. Diesel Drivability Diag. | Minimum 2.0 in ((AUTM 270 or concurrently) or AUTO 221) and Reading Level 3 and Writing Level 2 and Math Level 3 | 4 / 6 |
| AUTM 275 | Ignition/Emission Sys Diag. | Minimum 2.0 in (AUTM 270 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 3 | 4 / 6 |
| Credits | | | 12 / 18 |
| Total Credits | | | 41 / 59.5 |