

LANSING COMMUNITY COLLEGE			
Computer, Engineering/Manufacturing Industrial Technologies			
Curriculum Code: 1761 (Effective Fall 2017 – Summer 2022)	Automotive Technology, Electrical and Air Conditioning Diagnostic Specialist C.A. Pathway		
Semester I	Course Title	Prerequisites	Credit/ Billing Hours
<b>Program of Study Requirements</b>			
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
<b>Credits</b>			<b>12 / 17</b>

Semester II	Course Title	Prerequisites	Credit/ Billing Hours
<b>Program of Study Requirements</b>			
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
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
<b>Credits</b>			<b>12 / 16.5</b>

Semester III	Course Title	Prerequisites	Credit/ Billing Hours
<b>Program of Study Requirements</b>			
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
AUTM 260	Heating/Air Conditioning II	Minimum 2.0 in ((AUTM 110 or AUTO 111) and AUTM 160) and Reading Level 3 and Writing Level 2 and Math Level 3	2 / 3
<b>Credits</b>			<b>7 / 11</b>
<b>Total Credits</b>			<b>31 / 44.5</b>