

LANSING COMMUNITY COLLEGE			
Computer, Engineering/Manufacturing Industrial Technologies			
Curriculum Code: 1762 (Effective Fall 2017 – Summer 2022)	Automotive Technology, Engine and Transmission Overhaul 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 220	Manual Trans and Driveline II	Minimum 2.0 in AUTM 120 and Reading Level 3 and Writing Level 2 and Math Level 3	2 / 3
AUTM 221	Automatic Transmissions II	Minimum 2.0 in ((AUTM 110 or AUTO 111) and AUTM 121) and Reading Level 3 and Writing Level 2 and Math Level 3	5 / 8
AUTM 230	Engine Mechanical Repair II	Minimum 2.0 in AUTM 130 and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 6
Credits			11 / 17
Total Credits			40 / 58.5