

LANSING COMMUNITY COLLEGE			
Computer, Engineering/Manufacturing Industrial Technologies			
Curriculum Code: 1757 (Effective Fall 2017 – Summer 2022)	Automotive Technology, Advanced Technology Vehicle Specialist C.A. Pathway		
Semester I FALL	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 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 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 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 180	Intro to Alternative Fuels	Reading Level 3 and Writing Level 2 and Math Level 3	2 / 3
Credits			14 / 20

Semester II SPRING	Course Title	Prerequisites	Credit/ Billing Hours
Program of Study Requirements			
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 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 286	High Voltage Battery Tech	Minimum 2.0 in ((AUTM 180 or AUTO 260) and (AUTM 270 or AUTO 221 or concurrently)) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 6
Credits			13 / 20

Semester III FALL	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
AUTM 280	Electric/Fuel Cell Technology	Minimum 2.0 in ((AUTM 180 or AUTO 260) and (AUTM 270 or AUTO 221)) and Reading Level 3 and Writing Level 2 and Math Level 3	2 / 2.5
AUTM 282	Gaseous Fuels	Minimum 2.0 in ((AUTM 180 or AUTO 260) and (AUTM 270 or AUTO 221)) and Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4
AUTM 284	Hybrid Systems & Maintenance	Minimum 2.0 in ((AUTM 180 or AUTO 260) and (AUTM 270 or AUTO 221)) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 6
AUTM 288	High Voltage Management	Minimum 2.0 in ((AUTM 180 or AUTO 260) and (AUTM 286 or AUTO 267)) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 7
Credits			13 / 19.5
Total Credits			40 / 59.5