

Automotive Technology

Career Pathway Program of Study Requirements

Course #	Course Title	Tech Prep	SJI GST Certificate	SSCC GST Certificate	Minor Certificate	Major Certificate	AAS	AAST	Order	ASE Exam
MVM 100	Introduction to Automotive Technology	x	4	4	4	4	4	4	Qtr 1	
MVM 102	General Service	x	4	4	4	4	4	4		
AUT 100	Introduction to Electricity	x	4	4	4	4	4	4		
AUT 134	Introduction to Drivability		4	4	4	4	4	4		
AUT 122	Steering and Suspension		4	4	4	4	4	4	Qtr 2	Steering & Suspension
AUT 124	Tires, Wheels and Alignment		3	3	3	3	3	3		Brakes
AUT 126	Basic Brake Systems	x	3	3	3	3	3	3		
AUT 127	Advanced Brake Systems		4	4	4	4	4	4		
AUT 299	Special Topics Automotive: Soft Skills		6						SJI Q1&2	
AUT 102	Advanced Electrical Systems				4	4	4	4	Qtr 3	Electrical/ Electronics
AUT 104	Automotive Electronics				3	3	3	3		
AUT 106	Basic Power Accessories				3	3	3	3		
AUT 116	Air Conditioning & Heating				6	6	6	6		Heating & A/C
AUT 138	Advanced Drivability & Fuel System				6	6	6	6	Qtr 4	Engine Performance
AUT 140	Engine Computers				4	4	4	4		
AUT 143	Emission Controls & Diagnostic Equipment				6	6	6	6		
AUT 112	Manual Transaxles & Clutches					3	3	3	Q5	Manual Transmission & Transaxles
AUT 114	Manual Transmissions, Transfer Cases & Drive Axles					3	3	3		
AUT 118	Automatic Transmission Diagnosis & Service					4	4	4		Automatic Transmissions
AUT 120	Advanced Automatic Transmission Service					6	6	6		
AUT 128	Automotive Engine Diagnosis/Repair and Replace	x				4	4	4	Qtr 6	Engine Repair
AUT 130	Automotive Engine Rebuild	x				8	8	8		
AUT 132	Automotive Welding					3	3	3		
ENG 105	Applied Composition						3		Qtr 7-8	
MAT 110	Applied Math for Technicians						3			
PSY 220	Psychology of Human Relations						3			
ICT 103	Computer Applications I						2			
(distribution)	Classes from 2+ different areas: Business & Office, Science & Mathematics, Supervision & Management, Technical Specialty Courses, Visual Literary & Performing Arts, Individuals, Cultures & Societies, The Natural Word						10			
ENG 101	Composition							5		
MAT 102	College Algebra							5		
PSY 110	General Psychology							5		
(distribution)	Business & Office, Science & Mathematics, Supervision & Management, Tech Specialty Areas							9		
(distribution)	Visual, Literary & Performing Arts, Individuals, Cultures & Societies, The Natural Word Areas							9		
TOTAL CREDITS			36	30	62	93	114	126		