

# AUTOMOTIVE TECHNOLOGY

## CERTIFICATE

### Guided Pathway/Map

**NOTE:** The Guided Pathway below contain all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online.

	Course #	Course Name	Sem. Hours
Semester 1	ASE101	Fundamentals of Automotive Technology	3
	ASE112	Electrical Fundamentals	3
	ASE121	Braking Systems	3
	MTH116	Mathematical Applications	3
	CIS146	Microcomputer Applications	3
	ORI 101 OR ORT 100	Orientation to College OR Orientation for Career Students	1
		<b>Eligible to take ASE A-1 Engine Repair Exam</b> <b>Eligible to take ASE A-5 Brakes Exam</b> <b>Eligible to take ASE A-6 Electrical/Electronic Systems Exam</b>	Semester Total: 16
Semester 2	ENG 101	English Composition I	3
	ASE122	Steering and Suspension	3
	ASE124	Automotive Engines	3
	ASE130	Drive Train and Axles	3
		<b>Eligible to take ASE A-4 Steering and Suspension Exam</b> <b>Eligible to take ASE A-3 Manual Drive Train and Axles Exam</b>	Semester Total: 12
Semester 3	ASE239	Engine Performance	3
	ASE162	Electrical and Electronic Systems	3
	ASE133	Motor Vehicle Air Conditioning	3
	SPH106 OR SPH 107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
		<b>Eligible to take ASE A-7 Heating and Air Conditioning Exam</b>	Semester Total: 12
Semester 4	ASE244	Engine Performance and Diagnostics	3

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	ASE230	Automatic Transmission/Transaxle	3
	ASE212	Advanced Electrical and Electronic Systems	3
	ASE224	Manual Transmission/Transaxle	3
	ASE246	Automotive Emissions	3
		<b>Eligible to take the ASE A-2 Automatic Transmission/Transaxle Exam</b>  <b>Eligible to take the ASE A-8 Engine Performance Exam</b>	Semester Total: 15
			Program Total: 55