

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
	ASE124	Automotive Engines	3
	MTH116	Mathematical Applications	3
	CIS146	Microcomputer Applications	3
	ORI101	Orientation to College	1
		ELIGIBLE FOR STACKABLE STC - ENGINE REPAIR ELIGIBLE TO TAKE ASE A-1 ENGINE REPAIR EXAM	Semester Total:16
Semester 2	ASE121	Braking Systems	3
	ASE122	Steering and Suspension	3
	ASE130	Drive Train and Axles	3
	ASE133	Motor Vehicle Air Conditioning	3
		ELIGIBLE FOR STACKABLE STC STEERING AND SUSPENSION SYSTEMS; BRAKE SYSTEMS; HEATING AND AIR CONDITIONING Eligible to take ASE A-4 Steering and Suspension Exam Eligible to take ASE A-5 Brake Exam Eligible to take ASEA-7 Heating and Air Conditioning Exam	Semeste Total: 12
Semester 3	ASE239	Engine Performance	3
	ASE162	Electrical and Electronic Systems	3
	ASE212	Advanced Electrical and Electronic Systems	3
	ASE224	Manual Transmission/Transaxle	3
		ELIGIBLE FOR STACKABLE STC – MANUAL DRIVE TRAIN AND AXLES; ELECTRICAL AND ELECTRONIC SYSTEMS Eligible to take ASE A-3 Manual Drive Train and Axles Exam Eligible to take ASE A-6 Electrical/Electronic Systems Exam	Semester Total: 12
Semester 4	ASE244	Engine Performance and Diagnostics	3
	ASE230	Automatic Transmission/Transaxle	3
	ENG101	English Composition I	3
	ORI104	WorkKeys Assessment and Advisement	1
			Semester Total: 10
Semester 5	ASE246	Automotive Emissions	3
	ASE291	CO-OP	3
	SPH106/107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
		ELIGIBLE FOR STACKABLE STC – ENGINE PERFORMANCE Eligible to take the ASE A-8 Engine Performance Exam	Semester Total: 9
			Program Total:59