



1. Title: Automotive Technology—Engine Performance and Emission Specialist

2. Summary of Goals—Learning Outcomes:

The Engine Performance and Emission Specialist major is a three semester program which will provide the student with entry level experience in the automotive repair industry. The first semester will concentrate on electrical theory, electrical and electronic diagnosis; it will also cover the engine systems and related diagnosis and repair. The course will also introduce automotive machining techniques to restore worn engine components. The second semester will also concentrate on diagnosis and repair of both mechanical and electrical conditions to maintain strict emission regulations and drivability issues. The third semester will include more advanced instruction on engine performance theory and service.

3. Course Listing:

First semester

Auto Tech G110	Engine Repair	5 units
Auto Tech G120	Electrical / Electronic Systems: Intro	<u>5 units</u>
		10.0 units

Second semester

Auto Tech G130	Engine Performance: Basic Theory/Diagnosis	<u>4.5</u>
		4.5 units

Third semester

Auto Tech G131	Engine Performance: Advanced	<u>4.5</u>
		4.5 units

Required Subtotal:	19.0 units
Completion of GE Requirements	21 - 41 units
Additional Electives as needed to reach 60)	
Degree Total	<u>60 units</u>