



# Automotive Engine Performance Certificate of Achievement

This curriculum is designed for students who are interested in seeking employment in the inspection, maintenance, diagnosis, and repair of automotive engine performance systems.

## SUGGESTED PROGRAM COURSE SCHEDULE

### SEMESTER 1

14 UNITS

Course	Units	Pre-Reqs <sup>A</sup>	Semesters offered*	GE Area
<b>AMT 300</b> Auto Fundamentals & Shop Procedures	4		F, S	CRC Area III(b)
<b>AMT 303</b> Auto Electricity & Electronics	4		F, S	
<b>AMT 306</b> Small Engine Repair or <b>AMT 322</b> Eng Repair	3	--  Advisory: AMT 300 & 306	F (may also be offered in S)  S(may also be offered in F)	
<b>AMT 326</b> Auto Air Conditioning	3	Co-req: AMT 302 or 303	S(may also be offered in F)	

### SEMESTER 2

9-11 UNITS

Course	Units	Pre-Reqs <sup>A</sup>	Semesters offered*	GE Area
<b>AMT 310</b> Auto Engine Performance	3	AMT 300, 306 or 322; Advisory: AMT 303	F, S	
<b>AMT 321</b> Advanced Auto Elect & Hybrid Sys	3	AMT 303	S(may also be offered in F)	
<b>AMT 332</b> Auto Computer Controls or  <b>AMT 340</b> Emission Control Inspect & Repair	3  5	AMT 303; Advisory: AMT 310  AMT 303 & 310 or AMT 371 & 381 Advisory: AMT 324 & 332	S(may also be offered in F)   F, S	

<sup>A</sup>You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\*(O) = online available (H) = hybrid available

### Career Options/Outlook:

Master mechanics repair virtually any part on the vehicle or specialize in the transmission system. Tasks include test drive vehicles and test components/systems using equipment such as infrared engine analyzers, compression gauges, and computerized diagnostic devices; test and adjust repaired systems to meet manufacturers' performance specifications; repair, reline, replace, & adjust brakes; review work orders and discuss work with supervisors; confer with customers to obtain descriptions of vehicle problems and to discuss work to be performed.

### A sample of reported job titles:

ASE Master Mechanic (Automotive Service Excellence Master Mechanic), Auto Technician, Automotive Drivability Technician, Automotive Mechanic (Auto Mechanic), Automotive Service Technician, Certified ASE Master Automotive Technician (Certified Automotive Service Excellence Master Automotive Technician), Master Automotive Technician, Master Technician, Mechanic, Transmission Rebuilder

### Projected job opening in California (2016-2026):

390

### Projected growth in California:

Average (3%)

### Salary in California:

Median wage (2018): \$49,180/yr

Source:

<https://www.onetonline.org/link/summary/27-3022.00>