



# Automotive Engine Repair Certificate of Achievement

This curriculum is designed for students interested in seeking employment in the engine overhaul and engine repair field.

## SUGGESTED PROGRAM COURSE SCHEDULE

### SEMESTER 1

7 UNITS

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>AMT 300</b> Auto Fundamentals & Shop Procedures	4		F, S	CRC Area III(b)
<b>AMT 306</b> Small Engine Repair	3		F (may also be offered in S)	

### SEMESTER 2

6 UNITS

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>AMT 322</b> Eng Repair	3	Advisory: AMT 300 & 306	S(may also be offered in F)	
<b>3 units from List A</b>	3		See List A	See List A

<sup>^</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>

**List A-Select a minimum of 3 units from the following:**

Course	Units	Pre-Reqs <sup>^</sup>	Semesters offered*	GE Area
<b>AMT 301</b> Auto Service Management	3		F(H), S(H)	
<b>AMT 303</b> Auto Electricity & Electronics	4		F, S	
<b>AMT 304</b> Auto Manual Drive Train & Axles	3	Advisory: AMT 300	S (may also be offered in F)	
<b>AMT 310</b> Auto Engine Performance	3	AMT 300, 306 or 322; Advisory: AMT 303	F, S	
<b>AMT 314</b> Auto Wheel Alignment	3		F (may also be offered in S)	
<b>AMT 316</b> Auto Brakes	3	Advisory: AMT 300	F, S	
<b>AMT 321</b> Advanced Auto Elect & Hybrid Sys	3	AMT 303	S(may also be offered in F)	
<b>AMT 324</b> Elec Fuel Injection	3	AMT 303; Advisory: AMT 310	F(may also be offered in S)	
<b>AMT 326</b> Auto Air Conditioning	3	Co-req: AMT 302 or 303	S(may also be offered in F)	
<b>AMT 330</b> Automatic Transmission & Transaxles	3	Advisory: AMT 300 & 304	F, S	
<b>AMT 332</b> Auto Computer Controls	3	AMT 303; Advisory: AMT 310	S(may also be offered in F)	
<b>AMT 340</b> Emission Control Inspect & Repair	5	AMT 303 & 310 or AMT 371 & 381 Advisory: 324 & 332	F, S	

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**Transfer notes:**

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.