



Automotive Emission Control Certificate of Achievement

This curriculum is designed for students who are interested in seeking employment in the inspection, diagnosis, and/or repair of automotive emission control systems. Students completing this program may be eligible to pursue licensing as a California SMOG Check Inspector and/or California SMOG Check Repair Technician.

SUGGESTED PROGRAM COURSE SCHEDULE

SEMESTER 1

8 UNITS

Course	Units	Pre-Reqs [^]	Semesters offered*	GE Area
AMT 300 Auto Fundamentals & Shop Procedures	4		F, S	CRC Area III(b)
AMT 303 Auto Electricity & Electronics	4		F, S	

SEMESTER 2

9 UNITS

Course	Units	Pre-Reqs [^]	Semesters offered*	GE Area
AMT 310 Auto Engine Performance	3	AMT 300, 306 or 322; Advisory: AMT 303	F, S	
AMT 324 Elec Fuel Injection	3	AMT 303; Advisory: AMT 310	F(may also be offered in S)	
AMT 332 Auto Computer Controls	3	AMT 303; Advisory: AMT 310	S(may also be offered in F)	

[^]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>

SEMESTER 3

5 UNITS

Course	Units	Pre-Reqs [^]	Semesters offered*	GE Area
AMT 340 ** Emission Control Inspect & Repair	5	AMT 303 & 310 or AMT 371 & 381 Advisory: 324 & 332	F, S	

** Current ASE certification in A-6 and A-8 meet equivalency for enrollment in AMT 340 per State of California, Bureau of Automotive Repair Statute.

NOTE:

1. A current advanced emission control smog license will meet the requirement for AMT 340.
2. Automotive Service Excellence (ASE) Certification in A6, A8, and L1 will meet the requirements for AMT 303, 310, 332.
3. No units will be earned for requirements met through licensing or certification exams. In these cases fewer total units are required.

[^]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

Transfer notes:

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