



Automotive Electrical Systems Certificate of Achievement

This curriculum is designed for students interested in seeking employment in the diagnosis and repair of automotive electrical systems.

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 321 Advanced Auto Elect & Hybrid Sys	3	AMT 303	S(may also be offered in F)	
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>