



Automotive Mechanics Technology Certificate of Achievement

This one-year curriculum is designed for students who are seeking basic job entry skills for employment in the automotive field. Subsequent certificate and/or an Associate degree in Automotive Mechanics Technology can be earned without the need to repeat courses completed as part of this certificate.

SUGGESTED PROGRAM COURSE SCHEDULE

SEMESTER 1

22 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	
AMT 314 Auto Wheel Alignment	3		F (may also be offered in S)	
AMT 316 Auto Brakes	3	Advisory: AMT 300	F, S	
AMT 326 Auto Air Conditioning	3	Co-req: AMT 302 or 303	S(may also be offered in F)	
5 units from List A	5		See List A	See List A

SEMESTER 2

21 UNITS

Course	Units	Pre-Reqs [^]	Semesters offered*	GE Area
AMT 304 Auto Manual Drive Train & Axles	3	Advisory: AMT 300	S (may also be offered in F)	
AMT 310 Auto Engine Performance	3	AMT 300, 306 or 322; Advisory: AMT 303	F, S	
AMT 322 Eng Repair	3	Advisory: AMT 300 & 306	S(may also be offered in F)	
AMT 324 Elec Fuel Injection	3	AMT 303; Advisory: AMT 310	F(may also be offered in S)	
AMT 330 Automatic Transmission & Transaxles	3	Advisory: AMT 300 & 304	F, S	CRC Area III(a)
AMT 332 Auto Computer Controls	3	AMT 303; Advisory: AMT 310	S(may also be offered in F)	
3 units from List B	3		See List B	See List B

[^]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 5 units from the following:

Course	Units	Pre-Reqs [^]	Semesters offered*	GE Area
AMT 140 Automotive Service	1		Check Class Schedule for offering	
AMT 301 Auto Service Management	3		F(H), S(H)	
AMT 305 Survey of Alternative Fueled & Hybrid Vehicle	3		Check Class Schedule for offering	
AMT 306 Small Engine Repair	3		F (may also be offered in S)	
AMT 308 Late Model Car Care & Maintenance	3		Check Class Schedule for offering	
AMT 498 Work Experience in AMT	1-4		F, S, Su	

[^]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

Completing this Certificate

also represents completion of a National Automotive Technicians Education Foundation (NATEF) accredited Master Automotive Service Technology (MAST) program. Instructors for this program are Automotive Service Excellence (ASE) certified as required by NATEF standards.

Transfer notes:

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

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

Course	Units	Pre-Reqs [^]	Semesters offered*	GE Area
AMT 321 Advanced Auto Elect & Hybrid Sys	3	AMT 303	S(may also be offered in F)	
AMT 328 Light Duty Diesel Engine Performance	3	AMT 303; Advisory: AMT 300	Check Class Schedule for offering	
AMT 336 Advanced Service Management	3	Advisory: AMT 301	Check Class Schedule for offering	
AMT 340 Emission Control Inspect & Repair	5	AMT 303 & 310 or AMT 371 & 381 Advisory: AMT 324 & 332	F, S	

This certificate in Automotive Mechanics Technology also meets the requirements for the following certificates:

- Automatic Transmission and Transaxles Certificate of Achievement
- Automotive Brakes Certificate of Achievement
- Automotive Heating and Air Conditioning Certificate of Achievement
- Automotive Suspension and Steering Certificate of Achievement

With the selection of AUTO 321, this will meet the requirements for:

- Automotive Electrical Systems Certificate of Achievement
- Automotive Engine Performance Certificate of Achievement

With the selection of AUTO 306, this will meet the requirements for:

- Automotive Engine Repair Certificate of Achievement
- Small Engine Repair Certificate of Achievement