Automotive Mechanics Technology Associate of Sci. Degree

The Automotive Mechanics Technology Program emphasizes developing skills required for efficient diagnosis, maintenance, and repair of the automobile and its components. Upon successful completion of the program, students are qualified for placement as technicians in the auto industry.

SUGGESTED PROGRAM COURSE SCHEDULE

SEMESTER 1 — 16-17 UNITS

Course	Units	Pre-Reqs^	Semesters offered*	GE Area
AMT 300 Auto Fundamentals & Shop Procedures	4		F, S	CRC Area III(b)
AMT 306 Small Engine Repair	3		F (may also be offered in S)	
AMT 314 Auto Wheel Alignment	3		F (may also be offered in S)	
CRC Area II(a) Writing competency	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)
CRC Area II(b) Math competency	3-4	Recommend meeting with a counselor	F, S, Su	CRC Area II(b)

SEMESTER 2 — 17 UNITS

Course	Units	Pre-Reqs^	Semesters offered*	GE Area
AMT 301 Auto Service Management	3		F(H), S(H)	
AMT 303 Auto Electricity & Electronics	4		F, S	
AMT 304 Auto Manual Drive Train & Axles	3	Advisory: AMT 300	S (may also be offered in F)	
AMT 326 Auto Air Conditioning	3	Co-req: AMT 302 or 303	S(may also be offered in F)	
CRC Area IV Natural Science	3		F, S, Su	CRC Area IV
CRC Area III(a) Physical Edu Activity	1		F, S, Su	CRC Area III(a)

^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 — 18 UNITS

Course	Units	Pre-Reqs^	Semesters offered*	GE Area
AMT 316 Auto Brakes	3	Advisory: AMT 300	F, S	
AMT 321 Advanced Auto Elect & Hybrid Sys	3	AMT 303	S(may also be offered in F)	
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)	
CRC Area V(a) American Institutions	3		F, S, Su	CRC Area V(a)
CRC Area V(b) Soc & Beh Sciences **& VI**** Ethnic Multicultural Or taken in summer	3		F, S, Su	CRC Area V(b) & VI

**** Select a course that double counts in Area V(b) and Area VI.**

SEMESTER 4 — 17 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 330 Automatic Transmission & Transaxles	3	Advisory: AMT 300 & 304	F, S	
AMT 332 Auto Computer Controls	3	AMT 303; Advisory: AMT 310	S(may also be offered in F)	
Elective Suggestion: **AMT 340** Emission Control Inspect & Repair	5	AMT 303 & 310 or AMT 371 & 381 Advisory: AMT 324 & 332	F, S	
CRC Area I Humanities	3		F, S, Su	CRC Area I

^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

Honors option:
The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

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

General Education (GE):
Non-specified GE courses identified by CRC Area, CSU Area or IGETC Area without pre- or co-requisite can be taken at any semester.

Courses in red meet the requirement for the Certificate of Achievement in **Automotive Brakes, Automotive Mechanics Technology**, **Automatic Transmissions/Transaxles**, **Automotive Suspension & Steering**, **Automotive Engine Performance**, **Automotive Electrical Systems**; Certificate of Proficiency in **Small Engine Repair**, **Automotive Heating and Air Conditioning**, **Automotive Engine Repair**, **Automotive Emission Control**