



Automotive Technology A.S. Degree

FULL TIME

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability.

Catalog: 2025-26

GE Pattern: local AA/AS

Total Units: 69

Start Term: Spring

First Year

Semester 1 (Spring)

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
RE	AT 100 Technical Basics for the Automotive Professional	3		
Req	AT 105 Mathematics for Automotive Technology	3		L2
Req	AT 110 Automotive Brakes	3		
Req	AT 180 Automotive Data Acquisition	3		
GE	ENGL C1000 Academic Reading and Writing or ENGL C1000H ^H Academic Reading and Writing - Honors	3 3		L1A

Semester 2 (Fall)

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	AT 130 Manual Drive Trains and Axles	3		
Req	AT 311 Suspension and Steering Systems	3		
Req	AT 313 Automatic Transmission and Transaxles	3		
Req	AT 314 Automotive Engine Repair	3		
GE	any Area L1B (Oral Communication & Critical Thinking) course	3		L1B

Second Year

Semester 3 (Spring)

12 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	AT 181 Electrical Fundamentals and Multimeter Basics	3		

CAREER PATH

Career Options:

This degree prepares students for entry-level positions in the automotive industry.

Advising Notes:

- This degree can be completed using either the local AA/AS general education (GE) pattern or the Cal-G ETC transfer GE pattern. See a counselor to determine which pattern is best for you based on your academic goals.
- Students can substitute ESLW 340 for ENGL C1000/C1000H (formerly known as ENGWR 300/480).

Scheduling Notes:

- AT 330 is scheduled during the 1st 8 weeks and AT 331 during the 2nd 8 weeks in the spring, so they can be taken in the same semester in the spring.
- AT 333 is scheduled during the 1st 8 weeks and AT 332 during the 2nd 8 weeks in the fall, so they can be taken in the same semester in the fall.

Other Notes:

- This degree prepares students for all nine Automotive Service Excellence (ASE) certifications, including Advanced Engine Performance (L-1). It also fulfills the Bureau of Automotive Repair (BAR) requirements for CA State Smog Check Inspector and CA State Smog Check Repair Technician test candidates.

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	AT 310 Heating and Air-Conditioning Systems	3		
Req	AT 330 Automotive Electrical Systems	3		
Req	AT 331 Advanced Automotive Electrical Systems	3		

Semester 4 (Fall)

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	AT 333 California State Smog Check Inspector Training	6	AT 314	
Req	AT 332 Engine Performance & Electronic Engine Controls	6	AT 331 and 333	
RE	AT 298 ¹ Work Experience in Automotive Technology	2		L7B
Elec	any Area L7A (Physical Education) course ²	1		L7A

¹ Only 1 unit of AT 298 is required in the major, but 2 units are required to fulfill GE area L7B.

² Students in majors (like this one) with 45 units or more of required coursework are exempt from the Area L7 general education requirement. [See a counselor](#) if you wish to waive this requirement.

- At the end of the fourth semester, students qualify for the **Automotive Technology certificate**.
- This degree can be started in the fall as well. [See a counselor](#) to adjust the course work.
- An internship (AT 298) is required as it opens up potential employment opportunities. Students can earn at least 1 unit for related paid or unpaid work experience including volunteer and internship positions through AT 298. This course also works toward satisfying GE Area L7B. See the [Work Experience website](#) for more information.

Third Year

Semester 5 (Spring)

12 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
GE	any Area L3 (Arts & Humanities) course	3		L3
GE	any Area L4 (Social & Behavioral Sciences) course	3		L4
GE	any Area L5 (Natural Sciences) course	3		L5
GE	any Area L6 (Ethnic Studies) course	3		L6

^H honors courses

EXPLANATION OF CATEGORIES

RE	Restricted Elective	A course selected from a list of elective courses specified for this program in the course list in the catalog, which can be replaced with another course from the same list
Req	Required Core	A course that is required for this program
GE	General Education	A course that fulfills a specific general education requirement for a degree, which can be replaced with another course that meets the same requirement
Elec	Degree Elective	A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree

