



Automotive Analysis 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: 2026-27

GE Pattern: local AA/AS

Total Units: 60

First Year

Semester 1

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 180 Automotive Data Acquisition	3		
RC	AT 314 ¹ Automotive Engine Repair	3		
GE	ENGL C1000 College Composition or	3		L1A
	ENGL C1000H ^H Honors College Composition	3		

¹ AT 314 is not part of this degree, but AT 333 has a prerequisite of AT 314.

Semester 2

14 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	AT 181 Electrical Fundamentals and Multimeter Basics	3		
Req	AT 188 Aftermarket Scan Tool Use and Operation	2		
Req	AT 189 Digital Storage Oscilloscope Use and Operation	2		
Req	AT 330 Automotive Electrical Systems	3		
GE	any Area L1B (Oral Communication & Critical Thinking) course	3		L1B
GE	any Area L7A (Physical Education) course	1		L7A

CAREER PATH

Career Options:

- Drivability Service Technician
- Smog Check Technician

Advising Notes:

- This map is designed for students who are able to take 12 units or more each semester, which is considered a full-time load. It shows one possible way to finish the program in two years. See a counselor to adjust the coursework to meet your specific needs.
- This degree can be completed using either the local AA/AS general education (GE) pattern or the Cal-GETC 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).
- **Elective Courses:** any elective courses numbered 100-499, or having a 4-digit number starting with C.

Scheduling Notes:

- AT 332 is offered in the fall.
- AT 188 and 189 are offered occasionally. See the course schedule for their availability.

Second Year

Semester 3

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	AT 331 Advanced Automotive Electrical Systems	3		
Req	AT 333 California State Smog Check Inspector Training	6	AT 314	
GE	any Area L3 (Arts & Humanities) course	3		L3
GE	any Area L5 (Natural Sciences) course	3		L5

Semester 4

16 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	AT 332 Engine Performance & Electronic Engine Controls	6	AT 331 and 333	
RE	AT 298 ² Work Experience in Automotive Technology	2		L7B
GE	any Area L4 (Social & Behavioral Sciences) course	3		L4
GE	any Area L6 (Ethnic Studies) course	3		L6
Elec	any elective course	2		

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

^H honors courses

Other Notes:

- An internship (AT 298) is highly recommended 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.

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
RC	Recommended Course	A course that is not part of this program but is included in its roadmap
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

EXPLANATION OF CATEGORIES		
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

Published July 06, 2026