



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: 2024-25**GE Pattern:** local AA/AS**Total Units:** 72**Start Term:** Spring

First Year

Semester 1 (Spring)

15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
RE	AT 100 ¹	Technical Basics for the Automotive Professional	3	
Req	AT 105	Mathematics for Automotive Technology	3	
Req	AT 110	Automotive Brakes	3	
Req	AT 180	Automotive Data Acquisition	3	
GE	ENGWR 300 / 480 ^H	College Composition	3	Ila WC

¹ or AT 103

Semester 2 (Fall)

15 Units

CAT.	COURSE	TITLE	UNIT	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	MATH 300	Introduction to Mathematical Ideas	3	Iib MC

CAREER PATH

Career Options:

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

Advising Notes:

- Students can substitute ESLW 340 for 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.
- 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.

Second Year

Semester 3 (Spring)

12 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Req	AT 181	Electrical Fundamentals and Multimeter Basics	3	
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	TITLE	UNIT	GE AREA
Req	AT 333	California State Smog Check Inspector Training	6	
Req	AT 332	Engine Performance & Electronic Engine Controls	6	

CAT.	COURSE	TITLE	UNIT	GE AREA
RE	AT 298 ²	Work Experience in Automotive Technology	2	IIIb
GE		any Area IIIa (PE Activity) course	1	IIIa

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

- 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 IIIb. See the [Work Experience website](#) for more information.

Third Year

Semester 5 (Spring)

15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		any Area I (Humanities) course	3	I
GE		any Area IV (Natural Sciences) course	3	IV
GE		any Area Va (American Institutions) course	3	Va
GE		any Area Vb (Social & Behavioral Sciences) course	3	Vb
GE		any Area VI (Ethnic/Multicultural Studies) course	3	VI

^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

Graduation Requirement

A course that fulfills a specific graduation requirement which can be replaced by another course that meets the same graduation requirement.

MC = Math Competency

WC = Writing Competency