



# Automotive Component Service Technician 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: 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 110 Automotive Brakes	3		
Req	AT 180 Automotive Data Acquisition	3		
GE	ENGL C1000 Academic Reading and Writing or ENGL C1000H <sup>H</sup> Academic Reading and Writing - Honors	3 3		L1A

### Semester 2

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

15 Units

CAT.	COURSE	UNIT	PREREQUISITES	GE AREA
Req	AT 140 Advanced Automotive Skill and Speed Development	3		

## CAREER PATH

### Career Options:

This degree prepares students for employment as a technician, shop foreman, or service manager for new car dealers, automotive repair shops, and fleet operators.

### 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).
- Elective Courses:** any elective courses numbered 100-499, or having a 4-digit number starting with C.

### Other Notes:

- 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.

CAT.	COURSE	UNIT	PREREQUISITES	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 298 <sup>1</sup> Work Experience in Automotive Technology	2		L7B
GE	any Area L7A (Physical Education) course	1		L7A

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

## Semester 4

15 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
Elec	any elective course	3		

<sup>H</sup> 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

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