



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**Total Units:** 38

First Year

Semester 1

12 Units

CAT.	COURSE	TITLE	UNIT
Req	AT 100 ¹	Technical Basics for the Automotive Professional	3
Req	AT 105	Mathematics for Automotive Technology	3
Req	AT 180	Automotive Data Acquisition	3
RC	AT 314 ²	Automotive Engine Repair	3

¹ or AT 103² AT 314 is not part of this certificate, but AT 333 has a prerequisite of AT 314.

Semester 2

10 Units

CAT.	COURSE	TITLE	UNIT
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

CAREER PATH

Career Options:

- Drivability Service Technician
- Smog Check Technician

Scheduling Notes:

- AT 332 is offered in the fall.
- AT 181, 188, and 189 are offered occasionally. See the course schedule for their availability.

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

Second Year

Semester 3

9 Units

CAT.	COURSE	TITLE	UNIT
Req	AT 331	Advanced Automotive Electrical Systems	3
Req	AT 333	California State Smog Check Inspector Training	6

Semester 4

7 Units

CAT.	COURSE	TITLE	UNIT
Req	AT 332	Engine Performance & Electronic Engine Controls	6
RE	AT 298	Work Experience in Automotive Technology	1

EXPLANATION OF CATEGORIES

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
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

