



# Automotive Component Service Technician Certificate

**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

Total Units: 37

## First Year

### Semester 1

12 Units

CAT.	COURSE	UNIT	PREREQUISITES
RE	<b>AT 100</b> Technical Basics for the Automotive Professional	3	
Req	<b>AT 105</b> Mathematics for Automotive Technology	3	
Req	<b>AT 110</b> Automotive Brakes	3	
Req	<b>AT 180</b> Automotive Data Acquisition	3	

### Semester 2

12 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	<b>AT 130</b> Manual Drive Trains and Axles	3	
Req	<b>AT 311</b> Suspension and Steering Systems	3	
Req	<b>AT 313</b> Automatic Transmission and Transaxles	3	
Req	<b>AT 314</b> Automotive Engine Repair	3	

## Second Year

### Semester 3

13 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	<b>AT 140</b> Advanced Automotive Skill and Speed Development	3	
Req	<b>AT 181</b> Electrical Fundamentals and Multimeter Basics	3	
Req	<b>AT 310</b> Heating and Air-Conditioning Systems	3	

## CAREER PATH

### Career Options:

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

### 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.

CAT.	COURSE	UNIT	PREREQUISITES
Req	AT 330 Automotive Electrical Systems	3	
Req	AT 298 Work Experience in Automotive Technology	1	

#### 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

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