

# Automotive Service Technology Certificate

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NOTICE(s): For the certificate in Automotive Service Technology, the student must complete a minimum of 60 credit hours – 54 in technical courses and 6 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: Student must be age 17 or older.

This program is offered at the East Broad Campus only.

Federal Pell Grant is awarded based on the federal conversion formula for this non-degree certificate program.

**Program:** Automotive Service Technology

**Type:** Certificate

## Written Composition

Item #	Title	Credits
	ENG 100 or ENG 101	3
	Sub-Total Credits	3

## Natural Sciences and Mathematics

Item #	Title	Credits
	MAH 101 or MTH 100 or AUM 100	3
	Sub-Total Credits	3

## Technical Courses - Required

Item #	Title	Credits
AUM 101	Fundamentals of Automotive Technology	3
AUM 112	Electrical Fundamentals	3
AUM 121	Braking Systems	3
AUM 122	Steering and Suspension	3
AUM 124	Automotive Engines	3
AUM 130	Drive Train and Axles	3
AUM 162	Electrical and Electronic Systems	3
AUM 230	Auto Transmission and Transaxle	3
AUM 239	Engine Performance	3
AUM 244	Engine Performance and Diagnostics	3
ORT 100	Orientation for Career Students	1
	Sub-Total Credits	31

## Technical Courses - Additional Coursework

Students must choose the remaining 23 credits from the options below:

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
AUM 127	Car Braking, Steering, and Suspensions Systems	3
AUM 133	Motor Vehicle Air Conditioning	3
AUM 181	Special Topics	1
AUM 182	Special Topics	2
AUM 183	Special Topics	2
AUM 191	Co-Op	2
AUM 212	Advanced Electrical and Electronic Systems	3
AUM 220	Advanced Automotive Engines	3
AUM 224	Man Transmission and Transaxle	3
AUM 235	Transmissions and Transaxles	3
AUM 246	Automotive Emissions	3
AUM 248	Engine Performance Diagnostics and Emissions	3
AUM 271	Co-Op	1
AUM 281	Special Topics	3
AUM 291	Co-Op	3
	DPT 100 or CIS 146	3
	SPC 103 or SPH 106	3
	Sub-Total Credits	44
	<b>Total credits:</b>	<b>60</b>