

# Advanced Automotive Technology - Automotive Service Technology

**Program:** Advanced Automotive Technology

## AUTOMOTIVE SERVICE TECHNOLOGY CERTIFICATE – Guided Pathway/Map

### 1st Semester

Item #	Title	Credits
AUM 101	Fundamentals of Automotive Technology	3
AUM 121	Braking Systems	3
AUM 122	Steering and Suspension	3
AUM 130	Drive Train and Axles	3
AUM 224	Manual Transmission and Transaxle	3
ORI 110	Freshman Seminar	1
	Sub-Total Credits	16

### 2nd Semester

Item #	Title	Credits
AUM 112	Electrical Fundamentals	3
AUM 124	Automotive Engines	3
AUM 162	Electrical and Electronic Systems	3
AUM 220	Advanced Automotive Engines	3
AUM 230	Automatic Transmission and Transaxle	3
MTH 103	Introduction to Technical Mathematics	3
	Sub-Total Credits	18

### 3rd Semester

Item #	Title	Credits
AUM 133	Motor Vehicle Air Conditioning	3
AUM 239	Engine Performance	3
AUM 244	Engine Performance and Diagnostics	3
AUM 246	Automotive Emissions	3
ENG 101	English Composition I	3
	Sub-Total Credits	15

# 4th Semester

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
AUM 212	Advanced Electrical and Electronic Systems	3
AUM 250	Hybrid & Electric Vehicle	3
	Sub-Total Credits	6
	<b>Total credits:</b>	<b>55</b>