

# Automotive Service Technology Basic

## Short-Term Certificate

Available: Shoals Campus

Advisors:

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This short-term certificate is designed to prepare students for employment in the automotive service industry. Emphasis is placed upon developing competency in diagnosing problems, inspecting, maintaining and repairing automobiles and light trucks. The increasing sophistication of automotive technology now requires workers who can use computerized shop equipment and work with electronic components, while maintaining their skills with traditional hand-tools.

Basic scientific principles and technical information are taught to give the student a better understanding of the cause of mechanical and electrical failures. The successful student will become skilled in making scientific diagnosis and performing necessary repairs and adjustments to the various systems of the automobile. Employers look for people with strong communication and analytical skills. Good reading, mathematics, and computer skills are needed to study technical manuals and keep abreast of new technology.

Graduates of Basic Auto Mechanics will be prepared to enter the automotive service industry as an entry level automotive technician.

Notes:

\*Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another school.

**Program:** Automotive Service Technology

## Entrance Requirements

- Submit a completed application;
- High School diploma or equivalent required;
- Age Requirement:
- Submit official high school/high school equivalent transcripts, if applicable;
- Submit official college transcripts, if applicable;
- Satisfy Placement Testing requirements.

## Required Courses

Item #	Title	Credits
AUM 101	Fundamentals of Automotive Technology	3
AUM 112	Electrical Fundamentals	3
AUM 121	Braking Systems	3
AUM 122	Steering, Suspension and Alignment	3
AUM 124	Automotive Engines	3
AUM 130	Drive Train and Axles	3
AUM 133	Motor Vehicle Air Conditioning	3
AUM 162	Electrical and Electronic Systems	3
<b>Minimum Credit Hours for Graduation:</b>		<b>24</b>