

# Automotive Service Technology Advanced

## Short-Term Certificate

Available: Shoals Campus

Advisors:

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This short-term certificate prepares students to use electronic service equipment and investigate the areas of specialization. A more intensive career preparation is provided through a combination of classroom instruction and hands-on practice. Curriculum is updated frequently to reflect changing technology and equipment. Knowledge of the basic principles of electronics and electrical systems is included in the program design for automotive service technicians. Successful graduates may become certified by Automotive Service Excellence (ASE) in specific service areas after 2 years of experience and passing a written examination. Completion of an automotive mechanic program in high school, vocational or community college may substitute for 1 year of experience.

Completion of Basic Auto Mechanics is recommended prior to enrollment in Advanced Auto Mechanics.

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 212                                     | Advanced Electrical and Electronic Systems | 3         |
| AUM 220                                     | Advanced Automotive Engines                | 3         |
| AUM 224                                     | Manual Transmission and Transaxle          | 3         |
| AUM 230                                     | Auto Transmission and Transaxle            | 3         |
| AUM 239                                     | Engine Performance                         | 3         |
| AUM 244                                     | Engine Performance and Diagnostics         | 3         |
| AUM 246                                     | Automotive Emissions                       | 3         |
| AUM 281                                     | Special Topics in Transmissions            | 3         |
| <b>Minimum Credit Hours for Graduation:</b> |  | <b>24</b> |