

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](#)

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
Minimum Credit Hours for Graduation:		24