

**University of Arkansas
East Arkansas Community College
Technical Certificate in Automotive Service Technology**

The Automotive Service Technology program will get you on the right path toward becoming an ASE Certified Master Technician. Your time will be spent acquiring knowledge and experience in engine repair, automotive transmission/transaxle, manual drive train and axles, suspension and service, brakes, electrical/electronic systems, heating and air conditioning, and engine performance. Your time will be divided between the classroom and the shop. In the shop, you will gain hands-on experience in repairing all mechanical aspects of a vehicle from bumper to bumper. The classroom is equipped with training software that will allow you an "inside view" of the workings of a vehicle.

I. Core Education Courses	Credit Hours	Semester	Year	Grade
ENG 1033 Communication Skills I -or- Higher	3			
MTH 1083 Technical Mathematics -or- Higher	3			
AST 2503 Electronic/ Electrical Systems	3			
AST 2703 Automotive Computer Systems	3			
Total Core Education Hours	12			
II. Option I: General AST (Requires 23 Credit Hours)	Credit Hours	Semester	Year	Grade
AST 1202 Application Lab I	2			
AST 1102 Engine Performance	2			
AST 1103 Automotive Engine Repair	3			
AST 1203 Automotive Brake Systems	3			
AST 2302 Application Lab II	2			
AST 2402 Automatic Transmissions	2			
AST 2903 Suspension and Steering	3			
AST 2103 Automotive Climate Control	3			
AST 2303 Automotive Power Trains	3			
Total General AST Credit Hours	23			
Total Credit Hours: Option I	35			
III. Option II: Hybrid/Electric Vehicle Technology Electives	Credit Hours	Semester	Year	Grade
AST 1023 Service and Basic Maintenance	3			
AST 1603 Introduction to Hybrid/Electric Vehicle Technology	3			
AST 2804 Advanced Hybrid/Electric Vehicle Technology	4			
AST 2254 Automotive Service Internship	4			
ELE 1014 Basic Electricity	4			
AST 2302 Application Lab II	2			
*BUS 1603 Computer Fundamentals	3			
Total HEV Credit Hours	23			
Total Credit Hours: Option II	35			

***ACTS Transfer Course** -The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and the equitable treatment of the application of credits for the admissions and degree requirements. ACTS-Arkansas Course Transfer <https://adhe.edu/students-parents/transfer-info-for-students> -select Arkansas Course Transfer System for Students. See the current academic catalog for more information.