

AUTOMOTIVE TECHNOLOGY

Automotive Technology One-Year Certificate

*Pending approval from Higher Education
Coordinating Commission (HECC)

PROGRAM MISSION

The Automotive Technology program provides quality education and hands-on training to prepare students for successful entry into the Automotive Technology career field. The program prepares students to further their education for those wishing to obtain a higher degree.

PROGRAM DESCRIPTION

The Automotive Technology Certificate program is committed to providing students with a wide range of knowledge and skills applicable to entry-level jobs as a certified automotive technician.

PROGRAM OUTCOMES

Students who successfully complete the Automotive Technology Certificate will:

1. Apply fundamentals of automotive service training, including the basics of automotive diagnostics and repair, pre-delivery inspection, and warranty procedure.
2. Diagnose, service, and repair automotive internal combustion engines
3. Diagnose, service, and repair automotive brakes
4. Diagnose, service, and repair electronic engine controls and emission systems
5. Diagnose, service, and repair automotive electrical systems
6. Diagnose, service, and repair automotive drive trains
7. Diagnose, service, and repair automotive climate control systems

CAREER CONSIDERATIONS

The Automotive Technology Certificate will provide training in the skills needed for an entry-level position as a technician in most automotive dealerships and repair shops.

PROGRAM COURSE REQUIREMENTS

AUT 100	Orientation to Automotive Technology	2
AUT 111	Engine Repair & Maintenance	6
AUT 113	Drive Trains	6
AUT 114	Suspension and Steering	6
AUT 115	Braking Systems	6
AUT 116	Electrical/Electronic Systems	6
AUT 118	Engine Performance & Drivability	6
AUT 127	Climate Control & Advanced Electrical	6
AUT 129	Light Vehicle Diesel Engines	6
HD 136	Strategies for Success	3
MTH 052	Industrial Applications of Math (or higher)	4
WR 115 (or higher)	English Composition: Introduction to Expository Writing	4

Total Credits 61

PROGRAM ENTRANCE REQUIREMENTS

Admission Requirements

- Complete online response form upon entering/registering for the program.
- A basic tool set is required of all entering students. The list of tool requirements is available through the automotive department.