

AUTOMOTIVE TECHNOLOGY: GENERAL TECHNICIAN (A.S.)

ASSOCIATE OF SCIENCE

The General Technician Associate of Science degree option prepares students for employment as an entry-level automotive technician. Courses focus on both the mechanical and electrical systems within a vehicle and how to diagnose and repair them. They include fundamentals, engine repair, automatic transaxle/transmission, manual drivetrain and axle, suspension and steering, brakes, electrical, HVAC, and engine performance. Students will also increase their hands-on skills and experience by working in the field. Graduates are employed as entry-level technicians at dealerships or independent repair facilities. They have the ability to work as a bumper-to-bumper technician or as a specialized automotive repair technician.

Program Student Learning Outcomes

- Demonstrate safe practices when working on all types of vehicles.
- Analyze service information in order to diagnose and repair vehicle faults.
- Practice repairing faults related to maintenance and light repair (MLR), engine repair, automatic transmission/transaxle, manual drivetrain and axle, suspension and steering, brakes, electrical/electronics, HVAC, and engine performance.

Program Requirements

Code Number	Course Title	Units
Required Courses		
AUTO 100 or AUTO 173	Automotive Maintenance and Operation Automotive Technology Work Experience Education	3.0-4.0
AUTO 110	Automotive Engines	5.0
AUTO 120	Automatic Transmissions and Transaxles	5.0
AUTO 130	Manual Drivetrain and Axles	5.0
AUTO 140	Automotive Steering and Suspension	5.0
AUTO 150	Automotive Brakes	5.0
AUTO 160	Introduction to Automotive Electrical	5.0
AUTO 170	Automotive Air Conditioning	4.0
AUTO 180	Electronic Engine Management Systems	5.0
Total Units		42-43

ASSOCIATE OF SCIENCE DEGREE REQUIREMENTS

Complete a minimum of 60 units to include the above requirements, the Associate of Science Degree requirements, General Education requirements, and electives as needed.