

# AUTOMOTIVE TECHNOLOGY: GENERAL MOTORS ESSENTIALS (CERT)

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## CERTIFICATE OF ACHIEVEMENT

The General Motors Essentials Certificate option prepares students for employment as an entry-level automotive technician at a General Motors (GM) dealership. Courses focus on both the mechanical and electric systems within a vehicle and how to diagnose and repair them. They include fundamentals, brakes, electrical/electronics, engine repair, suspension and steering, 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 GM dealerships and 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 fundamentals, braking systems, electrical/electronics, engine repair, suspension and steering, and engine performance.

## Program Requirements

Code Number	Course Title	Units
<b>Required Courses</b>		
First Semester		
AUTO 200	General Motors Fundamentals	3.0
AUTO 205	General Motors Braking Systems	3.0
AUTO 206	General Motors Electrical Systems 1	3.0
Second Semester		
AUTO 201	General Motors Engine Repair	3.0
AUTO 204	General Motors Suspension and Steering Systems	3.0
AUTO 208	General Motors Engine Performance 1	3.0
AUTO 173	Automotive Technology Work Experience Education	3.0
Third Semester		
AUTO 216	General Motors Electrical Systems 2	3.0
AUTO 173	Automotive Technology Work Experience Education	3.0
<b>Total Units</b>		<b>27</b>