

# AUTOMOTIVE TECHNOLOGY: ENGINE PERFORMANCE & ELECTRICAL DIAGNOSIS (A.S.)

## ASSOCIATE OF SCIENCE

The Engine Performance & Electrical Diagnosis AS degree option prepares students for employment as an entry-level automotive technician. Courses focus on beginning and intermediate electrical along with engine performance and advanced engine performance. Design, function, and operation of all these systems is also included in the degree. Graduates are employed as entry-level technicians, general service technicians, or apprentice technicians.

## Program Student Learning Outcomes

- Demonstrate how to use wiring diagrams for diagnosis.
- Demonstrate on vehicle diagnosis using a scan tool.
- Demonstrate on vehicle diagnosis using a digital multimeter (DMM).

## Program Requirements

Code Number	Course Title	Units
<b>Required Courses</b>		
<b>First Semester</b>		
AUTO 160	Introduction to Automotive Electrical	5.0
AUTO 180	Electronic Engine Management Systems	5.0
<b>Second Semester</b>		
AUTO 260	Intermediate Automotive Electrical	4.0
AUTO 280	Diagnostic Engine Performance	4.0
<b>Total Units</b>		<b>18</b>

## ASSOCIATE OF SCIENCE DEGREE REQUIREMENTS

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

## Recommended Electives

Code Number	Course Title	Units
AUTO 100	Automotive Maintenance and Operation	4.0