

# AUTOMOTIVE AND HYBRID TECHNOLOGY

## Associate in Applied Science Degree and Certificates

This program is designed for students who intend to enter the automotive workforce, establish a commercial business in the automotive field, and/or to prepare for the Automotive Service Excellence (ASE) Certification.

**A grade of C- or better is required in all courses for the degree and certificates.**

### TOTAL CREDITS REQUIRED FOR DEGREE: 66

AUTO 113	Automotive Electricity and Electronics Part I (4 cr.)
AUTO 114	Automotive Electricity and Electronics Part II (4 cr.)
AUTO 115	Automotive Engine Repair (5 cr.)
AUTO 122	Automotive Brakes (4 cr.)
AUTO 124	Automotive Heating and Air Conditioning (4 cr.)
AUTO 129	Automotive Steering and Suspension (4 cr.)
AUTO 201	Engine Performance I (4 cr.)
AUTO 203	Engine Performance II (4 cr.)
AUTO 204	Engine Performance III (4 cr.)
AUTO 205	Manual Drive Train and Axles (4 cr.)
AUTO 206	Automatic Transmissions (5 cr.)
AUTO 221	Cooperative Experience (3 cr.)
Automotive Elective (3 cr.) Choose One:	
AUTO 208 Introduction to Alternative Fueled Vehicles	
AUTO 209 Hybrid Vehicle Service Techniques	
COLL 101	College/Life Success (3 cr.) ( <i>Campus Requirement</i> )
ET 120	Computation Software (3 cr.)
ENGL 111G	Rhetoric and Composition (4 cr.)
<b>OR</b> OETS 117 Writing for Technicians (3 cr.)	
OETS 104	Basic Mathematics for Technicians (4 cr.)

### Certificate for Automotive Maintenance and Light Repair Specialist

Designed for students who intend to become efficient in the maintenance and repair associated with the several critical aspects of the automotive industry.

#### TOTAL CREDITS REQUIRED FOR CERTIFICATE: 33

AUTO 111	Automotive Mechanics Basics (4 cr.)
AUTO 113	Automotive Electricity and Electronics Part I (4 cr.)
AUTO 114	Automotive Electricity and Electronics Part II (4 cr.)
AUTO 115	Automotive Engine Repair (5 cr.)
AUTO 122	Automotive Brakes (4 cr.)
AUTO 124	Automotive Heating and Air Conditioning (4 cr.)
AUTO 129	Automotive Steering and Suspension (4 cr.)
ENGL 111G	Rhetoric and Composition (4 cr.)

### Certificate for Automotive Heavy Line Specialist

Designed for students who intend to become efficient in the installation, diagnosis, and repair associated with heavy line portions of the automotive industry.

#### TOTAL CREDITS REQUIRED FOR CERTIFICATE: 34

AUTO 111	Automotive Mechanics Basics (4 cr.)
AUTO 113	Automotive Electricity and Electronics Part I (4 cr.)
AUTO 114	Automotive Electricity and Electronics Part II (4 cr.)
AUTO 115	Automotive Engine Repair (5 cr.)
AUTO 205	Manual Drive Train and Axles (4 cr.)
AUTO 206	Automatic Transmissions (5 cr.)
AUTO 207	Power Train Removal and Replacement (4 cr.)
ENGL 111G	Rhetoric and Composition (4 cr.)

### Certificate for Automotive Diagnostic Specialist

Designed for students who intend to become efficient in the advanced diagnosis of automotive systems to include electrical, engine, drivability, and vehicle computer network control systems.

#### TOTAL CREDITS REQUIRED FOR CERTIFICATE: 33

AUTO 111	Automotive Mechanics Basics (4 cr.)
AUTO 113	Automotive Electricity and Electronics Part I (4 cr.)
AUTO 114	Automotive Electricity and Electronics Part II (4 cr.)
AUTO 115	Automotive Engine Repair (5 cr.)
AUTO 201	Engine Performance I (4 cr.)
AUTO 203	Engine Performance II (4 cr.)
AUTO 204	Engine Performance III (4 cr.)
ENGL 111G	Rhetoric and Composition (4 cr.)