

## AUTOMOTIVE TECHNOLOGY CERTIFICATE

### PROGRAM OVERVIEW

Raymond Hunt , *Program Director*  
 rhunt@allegany.edu  
 Automotive 108  
 301-784-5461

This certificate program is structured for the student who wishes to pursue a career as an automotive service technician and also for the individual now employed in the automotive field who wishes to further his or her technical skills. This course of study provides the student with the knowledge of the mechanical systems used in modern automobiles and the diagnostic and repair skills required by dealerships, independent repair facilities, and other auto-related industries. The equipment available in our state-of-the-art automotive lab facility provides the opportunity for intensive hands-on training. This certificate program can be completed during the fall and spring semesters of the regular academic year. This is a career program and is designed to enable students to seek employment at the program's completion. All credits in the certificate program are applicable to the associate degree program. Our program has been evaluated by the ASE Education Foundation and certified to meet the requirements designated by the National Institute for Automotive Service Excellence (ASE). Additional charges for automotive technology students will include a \$50 replacement tool fee (each semester), a \$35 student uniform fee (Fall semester), and a \$45 ASE Testing Fee (Fall semester). The Automotive Technology program at Allegany College of Maryland has been designated as a Statewide Program by the Maryland Higher Education Commission. Maryland residents from counties other than Allegany County who register in this eligible program will be charged the out-of-county tuition rate. However, these students may be eligible to receive reimbursement for a portion of the cost difference between the in-county and out-of-county tuition rates. Funding availability for this program is based on funding from the State of Maryland and is thus subject to change each semester. Some restrictions apply. More information can be obtained by contacting the Admissions Office.

Successful completion of this program qualifies a student to apply for a certificate in Automotive Technology. In addition, graduation from this program will count toward the work experience requirement needed when applying for ASE (Automotive Service Excellence) testing.

### COURSE REQUIREMENTS

#### REQUIRED AUTOMOTIVE COURSES

AUTO-101	Internal Combustion Engines I
AUTO-102	Internal Combustion Engines II
AUTO-103	Automotive Electricity I
AUTO-104	Automotive Fuel Systems
AUTO-105	Related Technical Automotive
AUTO-106	Automotive Ignition Systems
AUTO-114	Automotive Brakes
AUTO-203	Engine Testing
AUTO-206	Air Conditioning
AUTO-209	Automotive Diesel
AUTO-210	Automotive Parts Management
AUTO-215	Steering and Suspension

### PROGRAM PATH

#### AUTOMOTIVE TECHNOLOGY

#### ONE-YEAR CAREER PROGRAM

#### PREPARATION FOR EMPLOYMENT

**FIRST SEMESTER**

	<u>Credit Hours</u>
Automotive Technology 101 (Internal Combustion Engines I)	4
Automotive Technology 103 (Automotive Electricity I)	4
Automotive Technology 105 (Related Technical Automotive)	2
Automotive Technology 114 (Automotive Brakes I)	2
Automotive Technology 215 (Steering and Suspension)	4
Total:	16

**SECOND SEMESTER**

Automotive Technology 102 (Internal Combustion Engines II)	4
Automotive Technology 104 (Automotive Fuel Systems)	3
Automotive Technology 106 (Automotive Ignition Systems)	2
Automotive Technology 203 (Engine Testing)	4
Automotive Technology 206 (Air Conditioning)	2
Automotive Technology 209 (Automotive Diesel)	4
Total:	19
<b>Total Credit Hours:</b>	<b>35</b>

*NOTE: All courses specifically identified by course number are graduation requirements for this program.*

**SUMMER SEMESTER**

	<u>Credit Hours</u>
*Automotive Technology 210 (Automotive Parts Management)	4
Total:	4

*\*This course is not required in either the associate degree or certificate program, but is available as demand warrants in the summer session.*