

Automotive Technology – Automotive Service Technology Option

The Automotive Service Technology curriculum leads to an Associate in Applied Science (A.A.S.) degree. The automotive industry has undergone a parts and service revolution. The increased complexity of the modern automobile has created a demand for highly skilled, technologically advanced automotive professionals.

The Automotive Service Technology Option prepares students to work as mechanics, safety inspectors and shop supervisors. The skills courses provide experience with the most modern diagnostic and repair equipment. The general education courses are transferable to some baccalaureate degree programs in engineering and vocational education. Graduates are also prepared to take the National Institute of Automotive Service Excellence Certification examinations. This program is certified by the National Automotive Technicians Education Foundation (NATEF).

OPTION ENTRY REQUIREMENTS:

Students interested in automotive fields may enroll in this curriculum. Students must take College placement tests prior to or at the time of entry in order to receive correct course placement. If needed, students must complete developmental work in English and mathematics as part of their degree program.

PROGRAM OF STUDY AND GRADUATION REQUIREMENTS:

To qualify for the A.A.S. degree in Automotive Service Technology, a student must complete a minimum of 62 credits as prescribed and attain a grade point average of 2.0 (“C” average).

Recommended Course Sequence	Course Number and Name	Prerequisite or Corequisite	Credits
Program Core Courses - Automotive Technology - Automotive Service Technology Option			
1	AT 100 - Introduction to Automotive Technology		2
2	AT 111 - Automotive Suspension and Steering Systems	AT 100	4
3	AT 121 - Principles of Automotive Electricity and Electronics	AT 100	3
4	AT 181 - Automotive Engine Mechanical Repair	AT 100	4
6	AT 131 - Automotive Manual Transmission and Drivelines	AT 100	4
7	AT 150 - Automotive Braking Systems	AT 100, 121	2
8	AT 221 - Advanced Automotive Electrical Systems	AT 121, MATH 118	4
11	AT 250 - Advanced Braking Systems and Controls	AT 150	2
12	AT 261 - Engine Performance and Diagnosis	AT 221, MATH 118	4
13	AT 271 - Air Conditioning & Heating Systems	AT 121	3
16	AT 241 - Automatic Transmissions and Transaxles	AT 221, 131	4
17	AT 281 - Advanced Engine Performance and Diagnosis	AT 261	4
20	AT 289 - Automotive Technology Internship*	AT 111, AT 121, AT 181, AT 250, AT 162, AT 271 and Department Head approval	2
General Education Courses (See page 36 for information on disciplines which meet these requirements.)			
5	ENGL 101 - English Composition I		3
9	MATH 118 - Intermediate Algebra	MATH 017 or MATH 117	3
10	ENGL 112 - Report and Technical Writing	ENGL 101	3
14	Social Science Elective		3
15	PHYS 105 - Survey of Physics		4
18	Social Science Elective		3
19	Humanities Elective		3

Total to Graduate: 62 credits minimum

* This course is highly recommended but not required for graduation.

For More Information Contact:

The Division of Business and Technology, Room C1-9, 1700 Spring Garden Street, Philadelphia, PA 19130, Telephone 215-496-6164; or the College Information Center, 215-751-8010.