Automotive Technology

Students in the Automotive Technology Concentration apply technical knowledge and skill in servicing and maintaining automobiles and light trucks. Students completing this program may obtain ASE (Automotive Service Excellence) certification. As a recognized Program of Study by the Department of Education, students can take advantage of many statewide articulation agreements to gain post-secondary credits.

Automotive Technology – Three (3) Year Program – 25 Credits for Graduation
CIP #-47.0604-Program of Study

Period	9	10	11	12
1	English I	English II	English III	English IV
2	Algebra I	Geometry	Algebra II	Civics
3	Geo-Environmental	Biology I	World History I	Chemistry or Physics
4	PE/Health	PE/Safety Education	PE Health II (11th or 12th)	PE Health II (11th or 12th)
5	US History I	**Automotive Technology I-AM Session**	**Automotive Technology II-PM Session**	**Automotive Technology III-PM Session**
6	Foundations of Technology	**Automotive Technology I-AM Session**	**Automotive Technology II-PM Session**	**Automotive Technology III-PM Session**
7	Arts & Humanities Credit	**Automotive Technology I-AM Session**	**Automotive Technology II-PM Session**	**Automotive Technology III-PM Session**

CTE Total Hours   **481.90 hours**   **481.90 hours**   **481.90 hours**
CATS: 1,080
Carlisle: 1,445.7

- Students must make-up failed courses in summer school to complete this program of study.
- Students must pass all required Keystone Exams and/or complete remediation course.
- Students should plan to take the Arts and Humanities requirement in ninth grade.

Automotive Technology I – Course #901
Recommended prerequisite: None   3 credits
Grades 10-12   15 pds/wk
Certification Goal: NATEF Certification, SP2 Certification
Required Equipment: students need to purchase **BEFORE** the start of school. (1) Work boots-*steel toe not required* (2) Work Uniform (black poly/cotton blend pants and black t-shirt).

This is the first course of a three-year program designed for students to enter the automotive career field. In Level I, students receive an overview of automotive systems, safety, basic hand and power tools, measurements and precision measuring tools. Students learn to navigate computerized service manuals and learn about career choices available in the automotive industry. An extensive emphasis is placed on vehicle suspension, chassis, and braking systems.

Automotive Technology II - Course #902
Prerequisite: Auto Technology I minimum competencies   3 credits
Grades 11-12   15 pds/wk
Certification Goal: NATEF Certification, PA State Inspection License, PA Enhanced Emission Testing License, S/P2 Certification
Required Equipment: students need to purchase **BEFORE** the start of school. (1) Work boots-*steel toe not required* (2) Work Uniform (black poly/cotton blend pants and black t-shirt).

This is the second course of a three-year program designed for students to enter the automotive career field. In Level II, students study automotive safety, diagnostic and trade repair and specific hand tools, with an extensive emphasis on automotive electrical/electronics, vehicle emissions and engine performance. Students participate in the PA State Inspection Licensing course.

Automotive Technology III - Course #903
Prerequisite: Auto Technology II minimum competencies   3 credits
Grade 12   15 pds/wk
Certification Goal: NATEF Certification, PA State Inspection License, PA Enhanced Emission Testing License, S/P2 Certification
Required Equipment: students need to purchase **BEFORE** the start of school. (1) Work boots-*steel toe not required* (2) Work Uniform (black poly/cotton blend pants and black t-shirt).

The final year of the automotive technology program focuses on safety and advanced diagnostic skills/training. Students learn course work leading to PA State Safety Inspection License and PA Emission Testing License. Emphasis is on Job seeking skills as well as the skills required to maintain employment. Students may be eligible for employment through Cooperative Education, A-YES, or an Apprenticeship Training Program.