

Planning a successful career can begin in high school!

The Center of Applied Technology South

High school students can attend the Center of Applied Technology South (CAT South) as part of their regular daily schedule. In each program, students can earn credits required for graduation.

Completion of any of the 13 programs at the Center provides students with a combination of technical and academic expertise that can be utilized in a variety of ways. All programs offer the background and experience needed for immediate employment. Many programs articulate with colleges and universities, so students can earn college credits while in high school.

The programs at CAT South offer the foundation for employment, knowledge about related careers and continuing education, and work study positions. Studies combine both academics and applied technology.

The Career Exploration Program

The Career Exploration program allows students to explore four programs in one semester and earn 0.5 credit. Career Explorations is taken during period 1B. Transportation is provided to and from CAT South.

Semesters	Programs	Credits
One	4	1/2 Credit

Students can experience the environment, equipment, materials, skills, and safety rules of their chosen technical areas. The information students gain can be of significant value in career planning and expanding their interests and abilities.



More information is available at www.catsouth.org

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ANNE ARUNDEL
COUNTY PUBLIC SCHOOLS

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Anne Arundel County Public Schools Division of Human Resources
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410-222-5286 TDD 410-222-5000

www.aacps.org
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Anne Arundel County Public Schools

What is it?

The **Automotive Technology** program is a two year program that provides an opportunity for high school students to diagnose, repair, and service automobiles. The program is certified by the Automotive Service Excellence (ASE) Education Foundation in Maintenance and Light Repair. All students are tested in the areas of maintenance and light repair, electrical and electronics, brakes, steering and suspension, HVAC, automatic transmission, manual transmission and drive lines, engine repair, engine performance, and may receive ASE student certifications. In addition, all students receive Safety and Pollution Prevention (S/P2) training and certifications in Automotive Mechanical Safety and Pollution Prevention. Students enrolled in Level 1 of the program will concurrently be enrolled in Honors Pre-Engineering for one semester.

Industry Certifications

ASE Certifications (Level 1):

- Electrical/Electronic Systems
- Engine Repair
- Suspension and Steering

ASE Certification (Level 2):

- Automobile Service Technology
- Brakes
- Electrical/Electronic Systems
- Engine Performance
- Heating and Air Conditioning
- Maintenance and Light Repair
- Suspension and Steering

Refrigerant Recovery & Recycling Certification

About the program...

You will:

Gain experience in many aspects of the automotive industry, including:

- Assembly and disassembly of component parts
- Basic engine components and mechanisms
- Brake systems
- Computer diagnostics
- Car maintenance
- Diagnostic strategies
- Electronic components and electrical systems
- Engine repair
- Refrigeration and heating
- Steering and alignment
- Transmission and drivelines

Program Requirements

- Students must be entering 10th or 11th grade.
- Students must maintain a 2.0 GPA in all classes.
- Students must maintain a C or better to continue to level 2.



Education Foundation

Credit Requirements:

Credits required for completer — 4

Level I	2.0 Credits	Two semesters
*H Pre-Engineering	0.5 Credit	One semester
<i>*Counts as science elective</i>		
Level II	3.0 Credits	Two semesters
Technical Math	0.5 Credit	One semester

Optional

Work Based Learning	2.0 Credits	One semester
	4.0 Credits	Two semesters
Level III	4.0 Credits	

College Credit

Community College of Baltimore County (CCBC) offers up to 5 college proficiency credits in specified courses, if students have completed the *Automotive Technology* program and the proficiency requirements.

AUTO 100	<i>Introduction to Automotive Technology</i>	5 credits
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Entry Level Career Opportunities:

- Automotive Service Technician
- Auto Equipment Supplier
- Service Advisor
- Automotive Sales & Management
- Automotive Service Writer
- Truck & Heavy Equipment Service Technician

Advanced Level Careers:

- Electrical Engineer
- Industrial Mechanic
- Insurance adjuster
- Marine repair technician
- Production Manager
- Mechanical Engineering Technician
- Mechatronics Engineer
- Shop Owner
- Trainer

