

*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 15 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, or eight programs in two semesters and earn a full credit. Career Explorations can be taken during period 1B, or as an after school course from 2:50 – 4:00 p.m. Career Explorations is our only after school course offering.

Semesters	Programs	Credits
One	4	1/2 Credit
Two	8	1 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](http://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](http://www.aacps.org)  
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Anne Arundel County Public Schools

## What is it?

The **Marine Service Technology** program provides high school students with the knowledge and skills to launch a career in the recreational and commercial boat building and repair industry. Throughout this program, students are instructed in the skills and attitudes necessary to acquire and maintain employment.

**Marine Service Technology Level 1** emphasizes safe handling of hand and power tools and the development of basic hands-on skills in refinishing, repairing, and construction of various types of boats.

**Marine Service Technology Level 2** continues an emphasis on tools, materials and methods, and has additional training in marine engines and the plumbing and electrical systems found in boats. Upon completion of Level 2, students may earn the *American Boat and Yacht Council (ABYC) Marine Fundamentals* certification and can enter the Work-Based Learning program.

The knowledge and skills in carpentry, painting, fiberglass, and fabrication acquired in this program are comprehensive. With successful completion of this program, students will find employment opportunities in the marine industry as well as related fields.

## About the program...

### *You will:*

Gain experience in many aspects of the marine service field, including:

- Basic sailboat rigging
- Fiberglass hull repair & composites manufacturing
- Marine carpentry and cabinet making
- Marine engine and outdrive repair & maintenance
- Marine electrical systems
- Marine plumbing installation and care
- Marine hardware installation and maintenance
- Maryland Basic Boating course
- Boat and engine seasonal maintenance
- Spray painting and refinishing
- Wooden and fiberglass boat design and construction basics

### *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.



### *Credit Requirements:*

Credits required for completer — 4		
<b>Level I</b>	2.0 Credits	Two semesters
<b>Level II</b>	3.0 Credits	Two semesters
<b>Technical Math</b>	1.0 Credit	Two semesters
Optional		
<b>Work Based Learning</b>	2.0 Credits	One semester
	4.0 Credits	Two semesters

### *Career Opportunities:*

Students are given the skills needed for entry level jobs in the recreational and commercial boating industry. Employment opportunities exist in sail making and rigging, marine equipment and supplies, sales, building, repairing, chartering, yacht yards, marinas, and government agencies.

### *Career Opportunities w/ Further Education:*

- Marina operations
- Boat yard operations
- Marine mechanic
- Marine carpenter
- Marine rigger
- Marine painter
- Marine system technician
- Insurance appraisal
- Marine architect
- Marine surveyor
- Yacht brokerage