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 14 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 universitites, 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.

CENTER OF APPLIED TECHNOLOGY
TURNING PASSIONS
INTO PROFESSIONS
SOUTH

More information is available
at www.catsouth.org

Phone: 410-956-5900
Fax: 410-956-5905

211 Central Ave, East
Edgewater, MD 21037

ANNE ARUNDEL
COUNTY PUBLIC SCHOOLS

For more information, contact:
Anne Arundel County Public Schools Division of Human Resources
2644 Riva Road, Annapolis, MD 21401
410-222-5286 TDD 410-222-5000

www.aacps.org
2790/88 (Rev. 10/22)

Honors
IT Networking
Academy

Anne Arundel County Public Schools

What is it?

The **Honors IT Networking Academy (Cisco)** program offers students the opportunity to follow their passion and become a valued member of the IT community. By engaging with real-world concepts, devices, and training, our students can complete this course with the knowe</br>ge required to design, build, maintain, and secure multiple types of networks, and work hands-on with the devices and software that run them. The IT Networking Academy (Cisco) is part of a global community, measuring over nine million students in 180 countries, all helping individuals attain industry recognized certifications in various IT-related areas. Our goal is to train and mentor our students, helping them grow and learn vital industry skills such as how to think critically, solve problems, and collaborate with others to complete projects.

Students attend the CAT-South ITNA (Cisco) for two years. In those years, students work toward earning their **Cisco CCNA** certification. Our Academy strives to evolve along with the IT world, and we meet annually with business partners to ensure our instruction is meeting the needs of the IT industry. After the second year of the program, we work with our partners to place students in internships and ground-level positions.
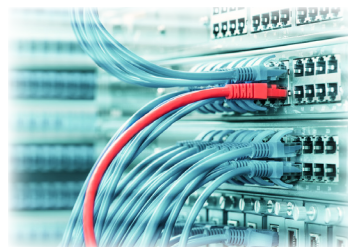
About the program...

You will:

Gain experience in many aspects of the IT networking field, including:

- Networking fundamentals
- Verifying and troubleshooting network and Internet connectivity WAN/LAN
- Configuring basic IP services through a GUI
- Installing, configuring, and troubleshooting Cisco IOS devices for Internet and server connectivity
- Planning a basic wired infrastructure to support network traffic
- Implementing basic WAN connectivity using Telco services
- Basic security and wireless concepts
- Prepare for the Cisco Certified Network Associates (CCNA) examination

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.
- Access to a computer and the Internet at home.

Credit Requirements:

Credits required for completer — 5		
Level I (Honors)	2.0 Credits	Two semesters
Level II (Honors)	3.0 Credits	Two semesters
Technical Math	1.0 Credit	Two semesters
Optional		
Work Based Learning	2.0 Credits	One semester
	4.0 Credits	Two semesters
Level III	4.0 Credits	

College Credit

Anne Arundel Community College (AACC) offers 12 college (articulated) credits in these specified courses, if students have completed the Cisco Academy program, have earned a "B" average, and are admitted to AACC in the corresponding program.

CTS 130	*Networking 1*	4 credits
CTS 131	*Networking 2*	4 credits
CTS 230	*Networking 3*	4 credits

Career Opportunities

- Information technology specialist
- Help desk technician
- Network administrator
- System administrator
- Database administrator

Career Opportunities w/ Further Education

- System administrator
- CCT routing & switching
- CCIE wireless
- Network analyst
- Cisco certified architect
- Security analyst
- Cybersecurity specialist
- Vulnerability assessor