

PASSWORD

CRACKER

SPYWARE

CYBER

ENCRYPTION

TROJAN

IDENTITY

HACKER

THEFT

PRIVACY

VIRUS

INTRUSION



Education Partners:



ALLEGANY COUNTY PUBLIC SCHOOLS



ALLEGANY COLLEGE  
of MARYLAND



FROSTBURG  
STATE UNIVERSITY



Pathways in Technology  
Early College High School

**Vision:**

Increasing Student Opportunities and Career Success through Innovative Collaboration among Business, Community, and Education.

**Mission:**

The P-TECH mission is to provide students with an education that starts in grade nine, continues through high school completion with a high school diploma, and culminates in the attainment of an Associate Degree.

## P-TECH Basics:

- Allegany County's P-TECH program is an opportunity for students beginning in grade 9 that combines high school, career and technology education, and work experience.
- The program offers a 4-year, 5-year, and 6-year track for a student to earn both a high school diploma and a Cybersecurity Associate's degree.
- The focus of the program will be on Computer Technology with a Cybersecurity option.
- Students will earn their Cybersecurity Associate's degree from Allegany College of Maryland. If they choose, students could also position themselves to continue on to Frostburg State University to earn a Bachelor's degree in a computer science field.
- The P-TECH program offers one-on-one mentorship, a paid internship experience, skills training, and a variety of workplace visits and presentations provided by P-TECH's business partners.
- Graduates of the P-TECH program have the potential to secure an entry-level position with median earnings averaging \$25.43/hour in Maryland. The average salary for all IT job postings was \$77,642, while the average salary for a cybersecurity posting was \$93,028.



## Business Partners:

- Western Maryland Health System - IT Department
- Exclamation Labs
- First United Bank & Trust - IT Department
- Willetts Systems
- Allegany County Government - IT Division

## Core Benefits:

1. Rigorous and relevant program focused on the knowledge and skills students need for a career in Cybersecurity.
2. Workplace learning that includes ongoing mentoring by professionals in the IT sector, worksite visits, speakers and a paid internship
3. Intensive, individualized academic support
4. A cost-free two-year degree in Cybersecurity from Allegany College of Maryland
5. A commitment from the business partners for P-TECH graduates to be first in line for job consideration

**For more information,  
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## Cybersecurity Facts:

- There are 10 million cyber attacks per day costing \$100 billion
- 400,000 cyber positions are available in the United States
- 20,000 of those cyber positions are in Maryland
- Maryland is the Epicenter for innovation in Cybersecurity. There are close to 20,000 open cybersecurity jobs available in more than 1,800 cybersecurity companies in Maryland with:
  - 50 Federal Agencies
  - National Cybersecurity Center of Excellence
  - 12 Major Military Installations
  - Defense Information Systems Agency
  - Home to the U.S. Cyber Command
  - National Security Agency and NIST