

Cybersecurity

Business & Industry Endorsement

The Cybersecurity program of study includes the occupations and educational opportunities related to planning, implementing, upgrading, or monitoring security measure for the protection of computer networks and information. This program of study may also include exploration into responding to computer security breaches and virus and administering network security measures.

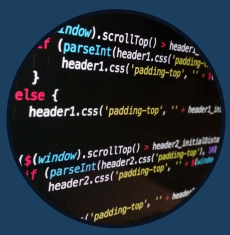
Level I Course



Foundations of Cybersecurity

Principles of Information Technology

Level 2 Course



PAP Computer Science

AP Computer Science Principles

Computer Maintenance

Level 3 Course



AP Computer Science A

Networking

Level 4 Course



Cybersecurity - CTE Capstone

Industry Based Certifications:

- CompTIA Security +
- CompTIA Network +
- CompTIA Server +
- CompTIA A+ Certification 1101 & 1102

Recommended Course Sequence:

9th grade

Foundations of Cybersecurity &/or Principles of Information Technology

10th grade

PAP Computer Science &/or Computer Maintenance

11th grade

AP Computer Science A &/or Networking

12th grade

Cybersecurity - CTE Capstone

Postsecondary Opportunities:

Associate Degree:

Computer and Information Systems Security
Computer Programming

Bachelor's Degree:

Computer Science
Computer Software Engineer

Masters, Doctoral, & Professional Degrees:

Computer Software Engineer

Example Aligned Occupations:

- Computer User Support Specialist
- Software Developer
- Information Security Analysts

For detailed course descriptions see the Course Selection Handbook.