

CENTRAL BUCKS SCHOOL DISTRICT
Course of Study
Recommendation for Adoption

Course: AP Cybersecurity

Date: August 6, 2026

Student Level: High School

Grade Level: 9,10,11,12

Characterization of Course of Study:

AP Cybersecurity introduces students to principles, practices, and tools used to secure digital systems. Through a combination of hands-on labs, real-world scenarios, and project-based learning, students explore foundational topics such as network security, cryptography, risk assessment, system vulnerabilities, and ethical hacking. The course emphasizes both the technical and human aspects of cybersecurity and prepares students for further study or careers in the field. Up to one credit from Computer Science courses may be used to fill the graduation requirements for mathematics.

Reasons for Proposed Adoption:

Adoption of the AP Cybersecurity Course of Study is recommended to provide a clear, consistent, and rigorous curriculum for students pursuing advanced study in computer science and cybersecurity. The course reflects the district's commitment to expanding opportunities for students in high-demand STEM fields while providing structured instruction aligned to the evolving needs of the digital world.

The proposed course of study establishes a coherent framework for teaching cybersecurity through five major units: Introduction to Security, Securing Spaces, Securing Networks, Securing Devices, and Securing Applications and Data. These units provide students with a comprehensive foundation in how cybersecurity threats emerge, how systems are protected, and how individuals and organizations make informed decisions about risk, privacy, access, detection, and response.

Principal Approval Date: _____

Curriculum Committee Approval Date: _____

School Board Approval Date: _____