

UTeach Computer Science

2026–27 Course Release Notes

Updates to UTeach AP Cybersecurity

- **All new AP Cybersecurity curriculum!** We have developed a new AP Cybersecurity curriculum aligned to the AP Cybersecurity Course and Exam Description (CED) for the 2026–27 school year. The curriculum includes hands-on labs, real-world cybersecurity scenarios, and project-based activities designed to help students develop both technical skills and cybersecurity reasoning.
- The curriculum has five instructional units:
 - **Unit 1 Introduction to Security:** Students explore foundational cybersecurity concepts including social engineering, authentication, public Wi-Fi risks, AI-powered cyberattacks, cybersecurity defense strategies, and ethical decision-making.
 - **Unit 2 Securing Spaces:** Students examine cybersecurity threats, vulnerabilities, adversaries, physical security concepts, the CIA Triad, security controls, defense-in-depth strategies, and risk assessment practices.
 - **Unit 3 Securing Networks:** Students learn how devices communicate across networks and the internet while exploring network attacks, wireless security, network segmentation, firewalls, access control lists, and network monitoring and detection tools.
 - **Unit 4 Securing Devices:** Students investigate malware, device vulnerabilities, authentication systems, password security, multi-factor authentication, anti-malware protections, host-based firewalls, and device-level threat detection.
 - **Unit 5 Securing Applications and Data:** Students examine application and data attacks, access control models, cryptography, secure application design, hashing, file integrity, and methods used to detect and respond to attacks against applications and data.

Updates to UTeach CSA

- All **AP Classroom labs** have been incorporated into the course in the appropriate unit.
- A new **Free Response Practice module** is available. This module is designed to help students practice authentic AP CSA Free-Response Questions (FRQs) using a workflow that mirrors the AP Exam experience while still allowing students to test and refine their code.

Updates to UTeach CS Principles

- **Create Task Module:** All assignments have been updated to include the latest information from College Board from the 2025 AP CSP Exam. We provide a new student samples from the 2025 AP CSP exam posted by College Board.