



Computer Science and Technology Academy

Pathways: PLTW Computer Science, Cybersecurity and Coding, Computer Networking, and Audio Video Production

Grade	Required Academy Courses				Suggested Academy Electives
	PLTW Computer Science Pathway	Cybersecurity and Coding Pathway	Computer Networking Pathway	Audio Video Production Pathway	
9	Freshman Seminar AND Computer Science Essentials OR AP Computer Science Principles	Freshman Seminar	Freshman Seminar	Freshman Seminar	Digital Electronics Journalism Yearbook Chemistry (H) Physics 1-2 (H) AP Physics 1 AP Environmental Science
10	AP Computer Science Principles OR AP Computer Science A	Cybersecurity 1-2	IT Essentials	Digital Media AND Audio/Video Foundations	Sociology Psychology African American History Omaha History
11	AP Computer Science A OR H. Cybersecurity	One or more: Operational Cybersecurity, Software and App Security, or Web Security	Cisco 1-2	Audio/Video Productions 1-2	Foreign Language Performing and Fine Arts
12	H. Cybersecurity OR H. Career Academy Capstone	One or more: Operational Cybersecurity, Software and App Security, or Web Security	Cisco 3-4	Audio/Video Productions 3-4	Other Computer Science and Technology Academy Courses

Career and Technical Student Organizations
SkillsUSA

Work-Based Learning Experience
Round Tables, Job Shadowing, Internships, Industry Tours, Guest Speakers, Industry Interviews

Industry Certifications
CCNA

Available Advanced Placement and Dual Credit Opportunities
AP Language and Composition, H. Technical Communication, AP US History, AP Human Geography, AP World History, AP Government, AP Calculus, AP Statistics, H. Calculus 3/Differential Equations, H. Personal Finance, AP Physics, AP Chemistry, AP Computer Science courses, H. Cybersecurity