Career and Technical Education (CTE) programs have proven to be an effective approach to prepare secondary and postsecondary students to succeed in cybersecurity careers.

CTE provides students with the academic, technical, and employability skills through rigorous and applied coursework, work-based learning experiences, dual or concurrent enrollment, and industry-recognized certifications.

The National Career Clusters®, maintained by Advance CTE, provides the organizing structure for delivering quality CTE programs with 16 career clusters and 79+ pathways.

Cybersecurity is most often included in the Information Technology Career Cluster. Visit https://careertech.org.

WHY CTE?

CTE provides opportunities for students to gain technical, academic, and professional leadership skills for college and career success.

- CTE works for high school students
- CTE works for college students
- CTE works for the economy
- CTE works for business

The top 3 benefits for students are the attainment of:

- COMPETENCIES to qualify them for a cybersecurity career
- EMPLOYABILITY SKILLS such as teamwork
- REAL-WORLD EXPERIENCES to apply learning

Students can take advantage of CTE cybersecurity content through:

- Individual CTE courses
- A sequence of classes
- Career Academies
- Programs of Study
- Early College High Schools
- Content across the 16 Career Clusters®


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