



CAE
IN CYBERSECURITY
COMMUNITY

NCTA's Role in Credentialing High School Teachers to Expand Availability and Access to High School Cybersecurity Courses

Presented by the National Cybersecurity Teaching Coalition

2025 CAE

Introductions

- University of Arkansas at Little Rock
- University of Louisville
- DePaul University
- Worcester Polytechnic Institute
- Dakota State University
- University of Arizona
- University of Maryland Global Campus
- DARK Enterprises

Community Symposium

2025 CAE

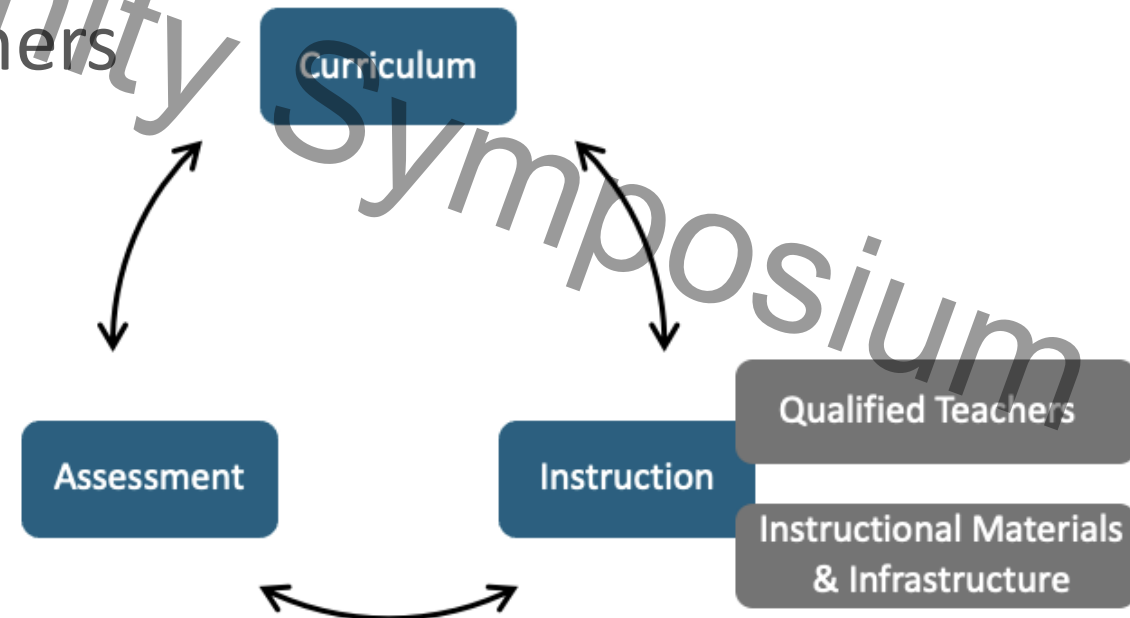
CAE School Academic Programs

	Bachelor's Degrees	Associate's Degrees	Minors /Tracks	Certificates	Total
University n=289	180	19	178	68	445
Community College n=157	12	125	46	175	358
Total n=446	192	144	224	243	803



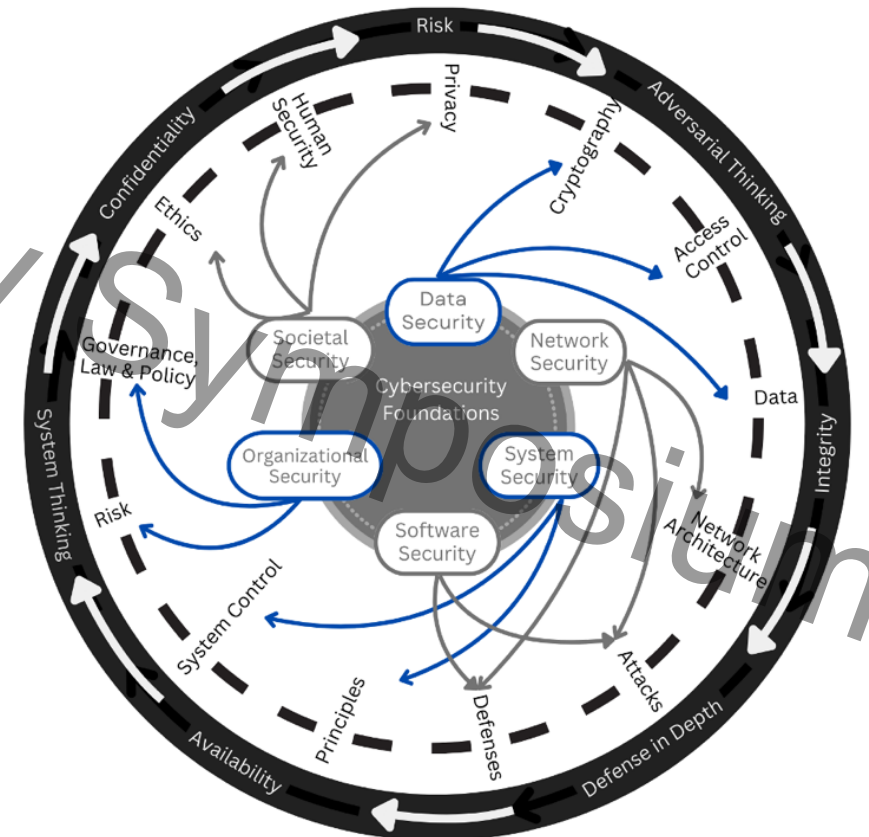
Background

- Curricular Guidance: CSEC 2017
- Program Requirements
 - Curriculum
 - Instruction
 - Assessment
- Qualified Teachers



2025 National Cybersecurity Teaching Academy

- CSEC 2017 Update
 - Guide Instruction, Assessment, Curriculum
 - Consistent and Appropriate Learning Outcomes
 - Scalable Pathways
 - Cyber 1-2 Sequence





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National Cybersecurity Teaching Academy

- Graduate Certificate
- 18 – Credit Hours
- 100% of Tuition and Fees
- Shared Foundations Course
- Pedagogical Content Knowledge
- Teaching Methods

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National Cybersecurity Teaching Academy

- Results to Date

	Dropped before com- pleting 6 credits	Completed 6-9 credits	Completed 12 credits	Completed 15 credits	Opted for 18 credits	Graduate Certificate Completion Rate
2022 (N=89)	16 (18%)	9 (10%)	23 (26%)	3 (3%)	38 (42%)	64 (72%)
2023 (N=29)	3 (10%)	7 (24%)	19 (66%)	TBD	TBD	TBD
2024 (N=42)	4 (10%)	38 (90%)	TBD	TBD	TBD	TBD

2025

National Cybersecurity Teaching Academy

- 2026 Cohort
 - 228 applicants
 - 154 scholarships offered
 - 151 students accepted
 - 38 States represented

2025 CAE National Cybersecurity Teaching Coalition

- Expanded Partnerships
- Early College Credit in Cybersecurity (EC3)
- Cybersecurity Foundations
- Professionalize Cybersecurity Teaching
 - Pre-service teachers
 - Licensing



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2025 CAE Community Symposium

Questions?

Presenter Name (use of this template is optional)

Affiliation