

CAE Overview Agenda:

- CAE Candidates National Center
- Application Process
- Program of Study Overview
- CAE Overview
- Tool Review
- Q&A





CAE Candidates National Center (CCNC) Resources

National Cybersecurity Training & Education (NCyTE) Center at Whatcom Community College

- www.NCyTE.net
- NCyTE@Whatcom.edu

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CAE Candidates National Center

Designated
Under
updated CAE
Process

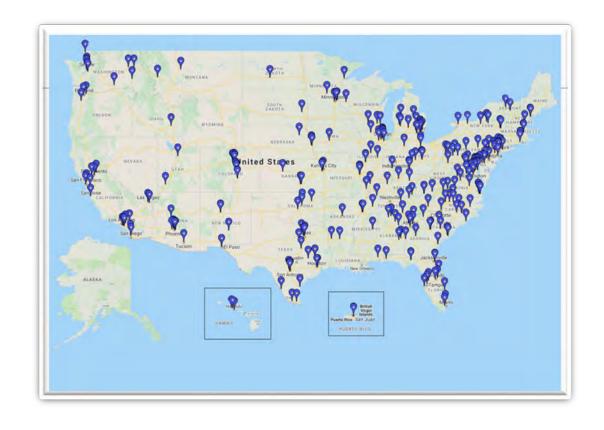
• 163 CAE designations as of October 2022

Application Assistance:

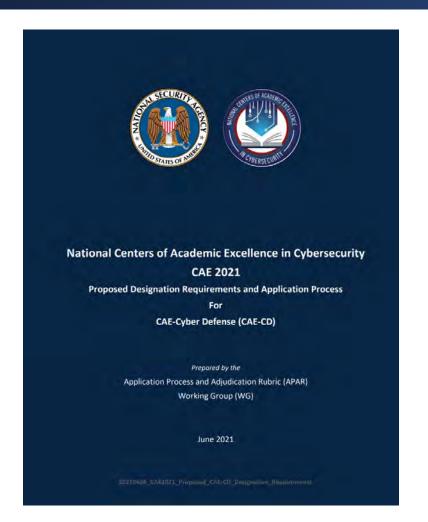
• 135 active institutions as of October 2022

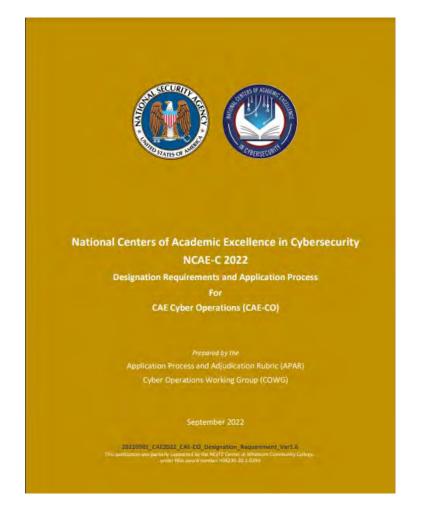
Program Development

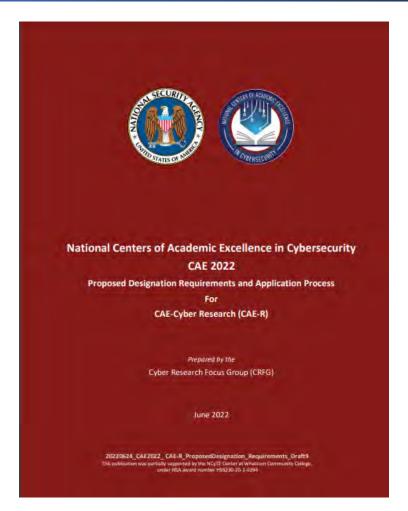
• 53 Active institutions as of October 2022



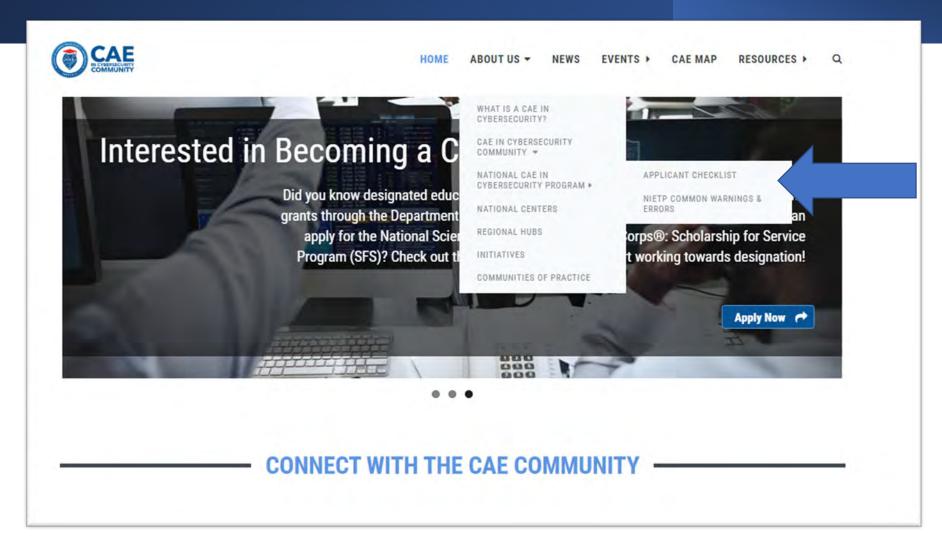
CAE-C Designations







Getting Started



https://www.caecommunity.org/about-us/national-cae-cybersecurity-program/applicant-checklist

Getting Started

CAE-CD Program Eligibility and Summary

The CAE-CD Program is open to current regionally accredited:

- · Four-year Colleges
- · Graduate-level Universities
- Two-year Community Colleges
- · Technical Schools
- State or Federally Endorsed Cybersecurity Training Centers
- U.S. Government Cybersecurity Training Centers

Start Applicant Checklist

Download CAE-CD Checklist

CAE-CO Program Eligibility and Summary

The CAE-CO Program is open to current regionally accredited:

- · Four-year Colleges
- Graduate-level Universities
- Must be based within a Computer Science, Electrical Engineering or Computer Engineering Department, or a degree program of equivalent Technical Depth, or a Collaboration between Two or more of these Departments

Start Applicant Checklist

Download CAE-CO Checklist

CAE-R Program Eligibility and Summary

The CAE-R Program is open to current:

- . Department of Defense (DoD) schools
- . Ph.D. producing military academies
- Regionally accredited, degree granting fouryear institutions rated by the Carnegie Foundation Basic Classification system as either:
 - Doctoral University Highest Research Activity (R1),
 - 2. Doctoral University Higher Research Activity (R2), or
 - 3. Doctoral University Moderate Research Activity (R3)

Start Applicant Checklist

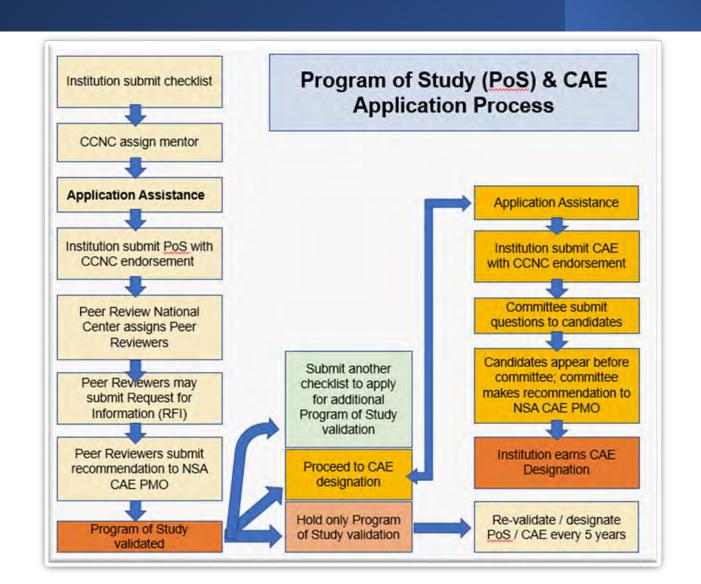
Download CAE-R Checklist

Updated Submission Cycle

PoS Cycle	Access to Application	Application Due	Pre- submission Review (PSR) Feedback Deadline	Final Submission
PoS Cycle 8	8/16/2021	3/15/2022	3/30/2022	4/15/2022
PoS Cycle	10/5/2021	3/15/2022	3/30/2022	4/15/2022
PoS Cycle 10	4/15/2022	6/15/2022	6/30/2022	7/15/2022
PoS Cycle 11	7/15/2022	9/15/2022	9/30/2022	10/15/2022
PoS Cycle 12	10/15/2022	12/15/2022	12/30/2022	1/15/2023
PoS Cycle	1/15/2023	3/15/2023	3/30/2023	4/15/2023
PoS Cycle 14	4/15/2023	6/15/2023	6/30/2023	7/15/2023
PoS Cycle 15	7/15/2023	9/15/2023	9/30/2023	10/15/2023
PoS Cycle 16	10/15/2023	12/15/2023	12/30/2023	1/15/2024

CAE Cycle	Access to Application	Application Due	Pre- submission Review (PSR) Feedback Deadline	Final Submission
CAE Cycle 8	7/15/2022	9/15/2022	9/30/2022	10/15/2022
CAE Cycle 9	7/15/2022	9/15/2022	9/30/2022	10/15/2022
CAE Cycle	10/15/2022	12/15/2022	12/30/2022	1/15/2023
CAE Cycle	1/15/2023	3/15/2023	3/30/2023	4/15/2023
CAE Cycle 12	4/15/2023	6/15/2023	6/30/2023	7/15/2023
CAE Cycle 13	7/15/2023	9/15/2023	9/30/2023	10/15/2023
CAE Cycle 14	10/15/2023	12/15/2023	12/30/2023	1/15/2024
CAE Cycle 15	1/15/2024	3/15/2024	3/30/2024	4/15/2024
CAE Cycle 16	4/15/2024	6/15/2024	6/30/2024	7/15/2024

Updated Application Process

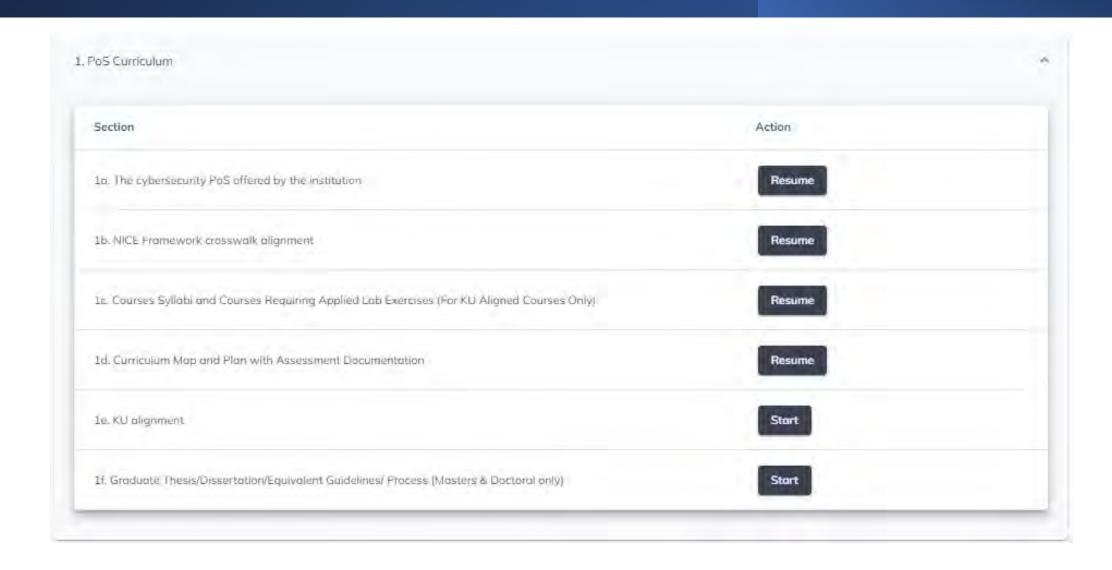


Program of Study Overview



1. PoS Curriculum	~
2. Students	v
3. Faculty Members	~
4. Continuous Improvement	

Program of Study Curriculum



NICE Cybersecurity Workforce Framework: Seven Categories Optional Optional KUs(3) +KUs(3) +Optional Optional Dissertation Dissertation **KUs** KUs or institutional or institutional Program (7) + Thesis (7) + Thesis equivalent equivalent or institutional or institutional PhD program assumes equivalent equivalent MS degree in related field Optional Optional Thesis/ Dissertation or institutional equivalent in a Cyber Defense Topic **KUs** KUs Optional (14)(14)KUs Graduate programs provide evidence their students are admitted with (3) foundational and core knowledge or it is included in the program of study Non-technical Technical Non-technical Technical Non-technical Non-technical Core KUs (5) Cybersecurity Foundational KUs (3) Cybersecurity Foundational KUs (3)

Masters

Doctoral

Bachelors

Path

Optional

KUs

(3)

Technical

Associates

Program

Objective

Choice

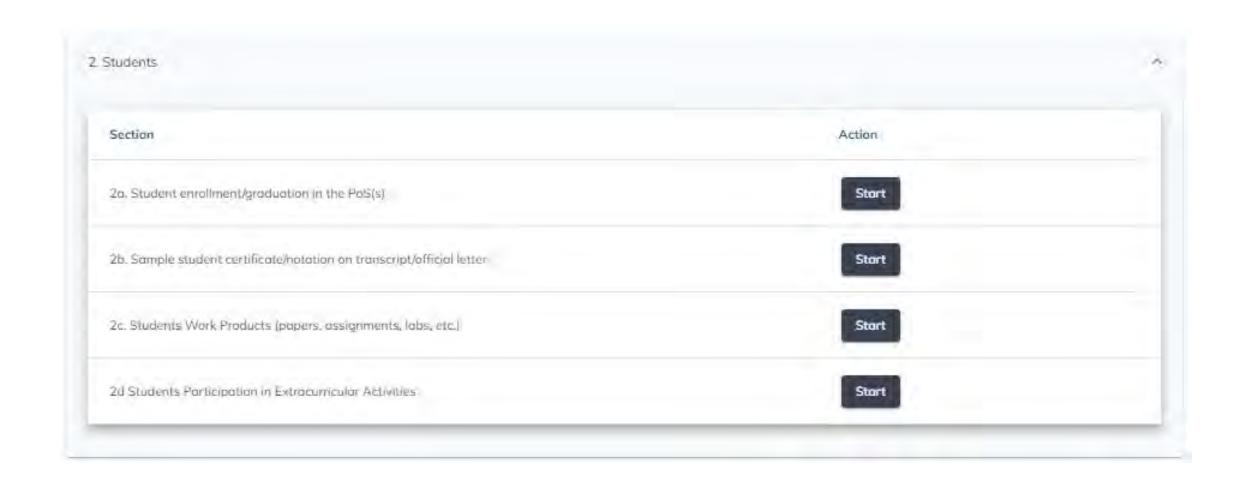
Driven

Everyone

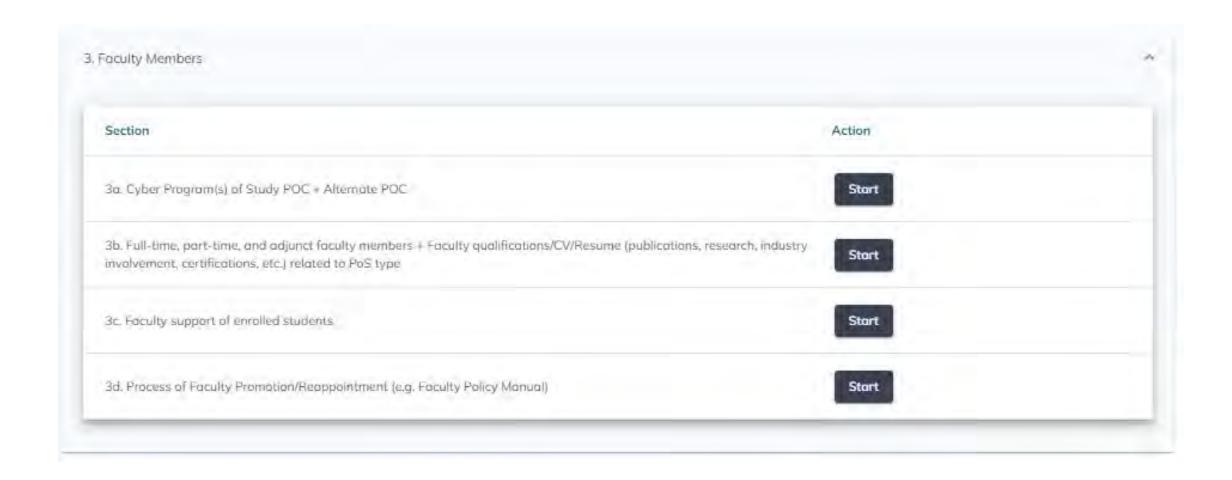
Program

Type

Program of Study: Students



Program of Study: Faculty Members



Program of Study: Continuous Improvement



CAE Overview



Sec	tion
1. /	Accreditation
2.1	nstitution Commitment
3.6	vidences of Sound Cybersecurity Posture and Plan
4.6	istablished "Center" for Cybersecurity
5. A	Affirmation of the CAE Core Values and Guiding Principles
6. 9	Sustainability
7. F	Professional Development
8. 0	Sybersecurity Academic Integration
9. 0	Dutreach
10.	Transfer of Credit/Articulation Agreements

CAE Overview



Section 1. Accreditation 2. Institution Commitment 3. Evidences of Sound Cybersecurity Posture and Plan 4. Established "Center" for Cybersecurity 5. Affirmation of the CAE Core Values and Guiding Principles 6. Sustainability 7. Professional Development 8. Cybersecurity Academic Integration 9. Outreach 10. Transfer of Credit/Articulation Agreements

Institutional Commitment

Letter must:

- Be written on official institution letterhead, signed by the Provost or higher.
- Identify regional accreditation information.
- Express institutional commitment to excellence in the cyber defense field.
- Provide institutional support of an official Cyber "Center" within the institution.
- Identify the name of a designated CAE Institutional Accounts Administrator.
 - Oversees the CAE accounts across the institution - one who is authorized to switch POCs, activate new users, etc.
- List the program(s) of study supporting the requested designation.



Established "Center" for Cybersecurity



ACHIEVING SUCCESS. BUILDING COMMUNITY.

ADVANCING EQUITY. ENHANCING EFFECTIVENESS.

GET STARTED

ACADEMICS

STUDENT SERVICES

CAMPUS LIFE

ABOUT THE COLLEGE

I WANT TO ...

▼ CYBERSECURITY CENTER

Academic Options

Student Activities and Resources

Information Assurance Resources

Organizations

WCC Cybersecurity Camp



About the College

CYBERSECURITY CENTER

Academic Integration

Section 8: Cybersecurity Academic Integration

- Demonstrate that cybersecurity is not treated as an isolated discipline.
 - Cybersecurity concepts must be integrated into additional degree programs within the institution outside the PoS(s) applied for or previously validated
- Three different syllabi with course name and cyber modules clearly highlighted, AND
- One sample student work for each of the three courses.



Outreach

Section 9: Outreach

- 9a: Provide evidence of how the institution has shared cyber related curriculum.
- **9b**: Evidence (three) that the applying institution has attended CAE events.
- **9c**: Evidences that faculty members from the applying institution has contributed to the CAE community.
- **9d**: Provide evidence of faculty members collaborating with current CAE-C institutions on research, grants, course development, etc.
- **9e**: Evidence of faculty members/employee sponsorship or oversight of students for Cyber events for the community at large.
- 9f: Evidence on how the institution works with employers and students to support placement for cyber related internships and jobs.
- 9g: Provide evidence of obtaining input on curriculum to meet industry needs.

Outreach

Participate

- CAE Forum / CAE Tech talk
 - •www.caecommunity.org
- Participation in workshops

Contributions

- Submit to CLARK.CENTER
 - https://clark.center/home
- The CAE Resource Directory (CARD)
 - •https://caeresource.directory/home









Tool Review

NCAE Tool:

• https://nsa-ncae.com/login

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NSA CAE Program Office:

CAEPMO@nsa.gov

