

The National CyberWatch Center is pleased to announce the formation of the National Cybersecurity Student Association. We are in the process of developing an online community exclusively for students in higher education who are studying Information Security, Information Assurance, Cybersecurity, and other related areas. In the online community students will be able to network with other students and with professionals from around the country. They will be able to form groups, or join groups of interest to them, find out about upcoming events, view and download video presentations from industry professionals, engage in discussions about topics relevant to the field, and contribute to building a Wiki designed as a useful reference tool.

Joining the community is free, and once they join they will become members of the Association. Eventually there will be job postings and a chance for students to submit their resumes to prospective employers within the community. Students will be encouraged to participate as much as possible in the community, and we will be soliciting feedback from them for the continuous improvement of the community and the features within.



The launch date is scheduled for early September and the community will be located at:

<http://www.cyberstudents.org>.



Please share this news with your students, and ask them to sign up for more information at the community URL.

2010 CAE2Y INSTITUTIONS ::

Anne Arundel Community College* - Maryland

Hagerstown Community College* - Maryland

Moraine Valley Community College - Illinois

Oklahoma City Community College - Oklahoma

Prince George's Community College* - Maryland

Rose State College - Oklahoma

2011 CAE2Y INSTITUTIONS ::

College of Southern Maryland* - Maryland

Community College of Baltimore County* - Maryland

Erie Community College* - New York

Inver Hills Community College* - Minnesota

Owens Community College - Ohio

Richland College* - Texas

Whatcom Community College* - Washington

2012 CAE2Y INSTITUTIONS ::

Bossier Parish Community College - Louisiana

Frances Tuttle Technology Center - Oklahoma

Harford Community College* - Maryland

Ivy Tech Community College* - Indiana

Jackson State Community College - Tennessee

Minneapolis Community and Technical College - Minnesota

Montgomery College* - Maryland

Oklahoma Department of Career and Technology - Oklahoma

Sinclair Community College* - Ohio

Snead State Community College - Alabama

Valencia College* - Florida

2013 CAE2Y INSTITUTIONS ::

Blue Ridge Community and Technical College* - West Virginia

Florida State College at Jacksonville - Florida

Highline Community College - Washington

Honolulu Community College - Hawaii

Howard Community College* - Maryland

Manhattan Area Technical College - Kansas

Northern Virginia Community College* - Virginia

San Antonio College - Texas

St. Philip's College - Texas

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NEW!
Volume One
September
2013

This newsletter is produced by the National CyberWatch Center, an ATE center supported by a National Science Foundation grant with Prince George's Community College as the lead institution.



PRINCE GEORGE'S
COMMUNITY COLLEGE



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Changes in the CAE2Y Program

The NSA/DHS National Centers of Academic Excellence in Information Assurance programs are undergoing a major change.

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2013 National Cyber League (NCL) FALL

Founded in May 2011, the National Cyber League (NCL) provides an ongoing virtual training ground for students to develop and practice cybersecurity...

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The National Cybersecurity Student Association

The National CyberWatch Center is pleased to announce the formation of the National Cybersecurity Student Association.

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Upcoming Events:

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The invitational CAE Community meeting

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The fourth annual NIST NICE Workshop

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CAE2Y Institutions
2010 through 2013

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Congratulations to the newest members of the CAE2Y community.

These nine institutions were designated CAE2Y at the June, 2013 CISSE conference in Mobile, Alabama.

1 Changes in the CAE2Y Program

The NSA/DHS National Centers of Academic Excellence in Information Assurance programs are undergoing a major change. A new designation, CAE IA/CD-2Y has been created to keep abreast of changes to the cyber field and to address the concerns raised in the DHS Cyber Skills Task Force Report 2012. Courseware mapping to CNSS Standards is no longer a pre-requisite for new CAE programs. There will be 4 main components to the new curriculum requirements:

1 A core (mandatory) set of IA/CD topics (knowledge units [KUs]) that all schools must include in their curriculum.

KUs will be level specific for 2-year, 4-year & graduate level institutions.

These are topics that many schools have previously demonstrated exist in CNSS courseware mapping.

The KUs will be identified and made available as soon as they are finalized.

A large set of optional topics (KUs), with a requirement that a school must include x number in their curriculum (x is still TBD).

A set of specialty areas (akin to work roles) that were identified by looking at IA/Cyber Defend mission requirements.

A site visit.

The KUs will be combined with modified CAE criteria to include: outreach, student and faculty papers, and expertise. After an initial review, a site visit will follow. So, there will no longer be 2 processes (CNSS courseware mapping and CAE criteria), instead the KUs + criteria = CAE IA/CD.

Upcoming Events:

This all-day meeting will provide the opportunity to discuss issues and changes pertaining to the CAE program.



Additional information to note:

1 For each KU, there will be a detailed list of the topics that must be covered to satisfy the depth that should be taught in that area, as well as a set of objective statements that describe what the student will know or be able to do after completing the knowledge unit.

For each specialty area, there will be a list of KUs (drawn from core and optional) that must be completed to get recognition of having knowledge/skills appropriate for that specialty.

By meeting the mandatory core, the minimum number of optional KUs and CAE criteria, a school would be designated as a CAE in IA/CD. This is all that is required for CAE IA/CD.

To receive specialty area recognition, a school must satisfy all knowledge units for a particular specialty area. Benefits of specialty designation:

1 Provides valuable differentiation among schools that can be used in marketing;

Allows students who wish to study in a specific area the ability to make an informed decision about the best school for them; and...

1 Provides hiring managers the ability to recruit from schools more efficiently to find the skills needed for their line of business.

There will be 3 levels of designation – 2Y, E (replacing CAE/IAE) and E & R (replacing CAE-R). All schools, even R's, will need to align to the KUs.

1 Faculty from across Academia have been involved in finalizing the content of the program – finalizing the Knowledge Units required for the IA/CD designation and identifying specialty areas. The KUs are not specifically related to government standards, so they can be more easily reviewed annually, and changed, as technology and the cyber domain evolve.

NSA staff looks forward to working closely with you as the new designation of NSA/DHS National Center of Academic Excellence in Information Assurance/Cyber Defense is implemented.



Feel free to call or e-mail us at AskCAEIAE@nsa.gov if you have any questions.



Upcoming Events:

The Workshop's theme is "Navigating the National Cybersecurity Education Interstate Highway". The NICE Workshop promises to be highly informative and enlightening.



Thursday, September 19th offers an all-day track focused on community colleges with several panels addressing issues of importance to 2-year institutions.



The National CyberWatch Center is offering support for the registration fee.



The Application Form for the NICE registration fee is posted on the CyberWatch website homepage at:

<http://cyberwatchcenter.org>.

2 2013 National Cyber League (NCL) Fall Season

Founded in May 2011, the National Cyber League (NCL) provides an ongoing virtual training ground for students to develop and practice cybersecurity skills using lab exercises aligned with individual and team games.

The NCL is a first-of-its-kind ongoing experiment in learning and gaming, and the students (players) are collaborators in trying new things in the cyber exercise landscape that have never been done before.

Eligibility requirements:

- Individuals currently enrolled as a student at an U.S. accredited 2- or 4-year college/university
- All players must have a faculty/coach
- The registration fee is \$20 per individual participant and \$25 per participating team
- Players are expected to commit to the entire season
- There are no prerequisite skills for participation, but players should have a cross-section of beginner/intermediate knowledge and skills in computer science, networking, systems administration, and/or information security.

The National Cyber League will host preparatory exercises in virtual Cyber Gymnasiums and games in a virtual Cyber Stadium, with challenges aligned to the CompTIA Security+ and EC-Council Certified Ethical Hacker (CEH) performance-based exam objectives. The 2013 NCL Fall Season includes:

- 35 virtual preparatory lab exercises, enabling players to develop hands-on skills any place, any time.
- Pre-season assessment to identify players with similar skill levels; players will be placed in one of three brackets based on skill level (Bronze, Silver, Gold)
- Regular Season with 2 games optimized for individuals
- Post-Season of 2 team-based games



For more information see the NCL website:

www.nationalcyberleague.org/fall13.shtml.