Institution: Northern Virginia Community College

View Selected CAE2Y Criteria - Submitted

 Criteria 0

0. Letter of Intent

Provide letter of intent to apply for CAE/2Y designation. Letter should be on official institution letterhead, signed at an appropriate level (Dean or higher), identifying the POC for the institution and verifying the 2-year status and national or regional accreditation. Letter should be addressed to: National Security Agency Attn: CAE Program Office 9800 Savage Road Ft. Meade, MD 20755-6744 Upload letter here.

0. Letter of intent

Link(s) for Selected Criteria

No Links Entered

Attachment(s) for Selected Criteria

This criteria may have 1 to 1 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
CAE 2Y Letter of Intent_NOVA.pdf

Justification

Current Justification:

Letter of intent signed by NVCC President Dr. Robert Templin.

Criteria 1

1. Outreach/Collaboration

Extending IA/Cybersecurity beyond the normal boundaries of the college/institution and bringing current IA/Cybersecurity practitioners into the IA Center. Provide evidence of partnership(s) in IA/Cybersecurity education with four-year colleges and universities, other community colleges, two-year technical schools, K-12 schools, industry schools, government schools, Federal/State Agencies, businesses, industry or non-profit organizations. Evidence must be in the form of an articulation agreement, Memorandum of Agreement, letters of endorsement, indicators of specific IA/Cybersecurity courses in course catalogs, etc. between the schools. Articulation Agreements must be specific to IA/Cybersecurity programs.

(Overall Point Value: 16 Minimum/32 Maximum)

1a. Shared Curiculum/Shared Faculty

- IA/Cybersecurity teaching materials provided to technical schools, universities, community colleges, K-12 schools, etc. - Faculty on IA/Cybersecurity curriculum development committee for more than one institution

(Up to 5 points)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

Current Link(s)

http://courses.vccs.edu/courses/ITN-InformationTechnologyNetworking

http://www.sungazette.net/arlington/crime/cybersecurity-course-among-new-classes-headed-to-aps/article_1ec98a56-1796-11e2-8d69-001a4bcf887a.html

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
1a - Arlington Governor's Academy.pdf
1a - CyberWatch.pdf
1a - K. Reed teaching for Arlington County Career Center.pdf

Justification

Current Justification:

Shared Curriculum: 1. NVCC has led the Virginia Community College efforts to develop cybersecurity programs and courses, supplying the VCCS with the majority of security-related courses for the VCCS Master Course File (link 1) that are used at Community Colleges across the state. These include: ITN 260 - Network Security Basics ITN 261 - Network Attacks, Computer Crime, and Hacking ITN 262 - Network Communication, Security, and Authentication ITN 263 - Internet/Intranet Firewalls and E-Commerce Security ITN 266 - Network Security Layers ITN 267 - Legal Topics in Network Security Additionally, ITN 276 - Computer Forensics I, and ITN 277 - Computer Forensics II were developed in partnership with Tidewater Community College and Germanna Community College, jointly sharing content. 2. We are engaged with CyberWatch to assist with sharing and mapping the NIST NICE Framework to CyberWatch and NVCC shared curriculum. Much of our course content was shared with CyberWatch during the development of CyberWatch's Model Curriculum and also shared forensic lab exercises with CyberWatch's K-12 program. We continue to work closely with CyberWatch to develop curriculum models for 2 year colleges (Attachment 1a - CyberWatch.pdf). 3. NVCC also offers dual-enrolled courses, teaching our ITN 260 class as a Cybersecurity class at the Governor's Academy of the Arlington Career Center , a STEM initiative to deliver dual-enrolled credits to high school students. This is expected to expand to other Cybersecurity courses this next academic year (Attachments 1a - Arlington Governor's Academy.pdf and Link 2). Shared Faculty: 4. In Virginia, in order to award college credit in dual-enrollment programs, high school teachers must meet the same academic requirements as community college faculty. At NVCC, this requires a Master's degree in IT or related discipline. Most high school teachers have graduate degrees in education-related fields and so do not qualify to instruct IT courses. For that reason, NVCC shares faculty to high schools for dual-enrollment.

The attachment, 1a - K. Reed teaching for Arlington County Career Center.pdf, shows the schedule for Prof. Kevin Reed, full-time IA faculty at NVCC, teaching a course at the Arlington Career Center for the Governor's Academy high school program.

1b. IA/Cybersecurity Practioners

- Evidence the program is providing students with access to IA/Cybersecurity practitioners - e.g., Guest lecturers working in IA/Cybersecurity industry, government, faculty exchange program with industry and/or government, etc.

(Up to 5 points)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

Current Link(s)
http://cyberwatchcenter.org/index.php?option=com_content&view=article&id=339:cyberwatch-brown-bag-session&catid=57:announcements&Itemid=119
http://www.cyberwatchcenter.org/index.php?option=com_jevents&task=icalrepeat.detail&evid=429&Itemid=68&year=2011&month=03&day=24&uid=c88772b2c00a411cf932ba3640a08c79&catids=77
http://www.facebook.com/permalink.php?story_fbid=159022494159805&id=149995045038340
http://www.facebook.com/pages/Dr-Margaret-Leary-CyberWatch-Page/149995045038340
http://viewer.zmags.com/publication/38b45b22#/38b45b22/1

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

1b - NVCC Workforce Industry Building Flyer.pdf

Justification

Current Justification:

1. Guest lecturers have been provided by CyberWatch's Brown Bag Second Life seminars. These one-hour seminars address "cutting edge" technologies, such as commercial wireless technologies and security trends (Link 1), cloud security (Link 2), and evidence handling (Link 3). These are advertised to students and faculty through both CyberWatch's link as well as NVCC's CyberWatch Facebook page (Link 4). Content is disseminated via email to IA students across the college and faculty are encouraged to provide extra credit to students who attend. Students are also notified of additional training offered by IA practitioners through CyberPath webinars. NVCC also had SRA and Lockheed visit the classrooms at Woodbridge and Alexandria campuses to discuss cybersecurity opportunities with IA students. 2. NVCC both shares IA faculty with industry and leverages the talent of current industry practitioners as adjuncts within their IA program. Full-time IA faculty at NVCC are encouraged to consult to business or government in order to keep current in the discipline and engage with the community, provided that such employment does not present a conflict of interest with their duties at NVCC (Link 5 - see page 6-62, Community Involvement). The majority of full-time and adjunct IA faculty (more than 90%) at NVCC serve as current IA practitioners, enabling them to bring current IA practices into the classroom. CVs of IA faculty have been provided in a separate section of this application, demonstrating that they are current IA practitioners. 3. Seminars are offered to the public and to students to connect students with current thought leaders in industry. As an example, Dr. Ron Ross of NIST recently spoke at NVCC on "Integrating Cyber Security Requirements into Main Stream Organizational Mission and Business Processes". (Attachment: 1b - NVCC Workforce Industry Building Flyer.pdf).

1c. Articulation Agreements - Four Year Institutions

- Evidence of copies of Articulation/Transfer agreements with 4 year institutions offering a concentration or IA/Cybersecurity degrees/areas of study/track or certificates

(5 points (required))

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

No Links Entered

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
1c - CapellaUniversity.pdf
1c - Univ-of-MD-Univ-College-2010.pdf
1c - georgemasonuniversity2011.pdf
1c - UMUC.pdf
1c - Marymount letter.pdf
1c - marymountuniversitygaa.pdf

Justification

Current Justification:

NVCC presently offers both a traditional transfer degree (AS in Information Technology) that is designed to transfer to most senior institutions, as well as an AAS degree in IT that allows the student to focus electives in a specialized area of study (i.e. Cyber Security). Articulation agreements are in place with the following institutions that offer IA concentrations: * George Mason University (students can transfer with the ASIT into their BSIT with a specialization of Information Security * University of Maryland University College (students can transfer with either the ASIT or AAS IT into their BS in CyberSecurity) * Capella (students can transfer the ASIT into their BSIT in Information Assurance and Security) * Marymount University (students can transfer either the ASIT or AAS IT into their BS Cybersecurity program). Marymount has also partnered with NVCC on an SFS grant that provides a competitive SFS scholarship to students who complete the AAS in IT, with the CyberSecurity CSC as electives, articulating students into Marymount's BS Cybersecurity program * UMUC and NVCC are partnering to

develop an articulation agreement for NVCC's AAS into UMUC's BS Cybersecurity degree program. This will also provide Advanced Standing credit to Marines who have completed USMC IT and Cybersecurity training NVCC is also developing an articulation agreement with Capella that will establish an educational pathway and co-hort for AAS students with Cyber Security CSCs into Capella's BSIT Information Assurance program.

1d. Articulation Agreements - High Schools

- Articulation agreements with high schools to facilitate awareness and training for faculty/administration/students

(2 points per school/6 points maximum)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

No Links Entered

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
Basic Pathway for HS&AAS.Information Technology-CyberSecurity.pdf
1a - Arlington Governor's Academy.pdf

Justification

Current Justification:

Virginia does not provide for the articulation of high school credits for college credits, other than in dual-enrollment programs. A dual-enrolled program was previously presented with shared resources, in which NVCC faculty teach high school classes onsite at the Arlington Career Center for the Arlington Governor's Academy. This letter is attached, again, to this section, to demonstrate the dual enrollment credit that is provided to students in this program. Chantilly High School also provides dual enrollment credit, taught by Chantilly High School teachers at Chantilly. An attachment has been provided from Chantilly High School that shows the NVCC courses (highlighted in yellow at the end of the document) that can be taken for credit while the student is in high school.

1e. Cybersecurity/IA Competitions

- Sponsorship/participation in Cybersecurity/IA competitions

(2 points each/6 points maximum)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

Current Link(s)
http://www.facebook.com/#!/pages/Dr-Margaret-Leary-CyberWatch-Page/149995045038340
http://www.midatlanticccdc.org/CCDC/about/ccdc-2010/
http://www.midatlanticccdc.org/CCDC/category/2011-qualifying-rounds/
http://www.midatlanticccdc.org/CCDC/students/
http://www.nationalcyberleague.org/lb_east.shtml

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

1e - NVCC Winning Poster Submission 2009.pdf

Justification

Current Justification:

NVCC disseminates information on competitions through email to NVCC students and NVCC's CyberWatch Facebook page (Link 1). Following are NVCC-sponsored cybersecurity competitions in which students have participated: • 2010 Mid-Atlantic CCDC Team (See Student Teams and Faculty information at Link 2) • 2011 Mid-Atlantic CCDC Team (See Jan. 14th Round of Teams Compete at Link 3) • 2012 Mid-Atlantic CCDC Team (See 2012 Qualifying Round Teams at Link 4) • 2012 – National Cyber League Competition (see participant #103 at Link 5) • Poster Contests for 2009 and 2010 (Attachment 1 displays the winning submission for 2009).

1f. Community Outreach

- Sponsor community events such as cybersecurity education for K-12, adult education centers, senior groups, camps, summer programs, state homeland security, first responders and industry (e.g., schools in a target region are encouraged to participate in cybersecurity education events, like community computer diagnostic "check-ups" and IA awareness days)

(Up to 5 points)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

http://www.facebook.com/permalink.php?id=203847919644602&story_fbid=428074240555301

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
PC CleanUpDay May12.pdf
1f - ETPRO_CWK12_MOU.pdf
PC Clean Up Day Jan12.pdf

Justification

Current Justification:

NVCC cybersecurity students offer an annual Community PC Cleanup Day that allow students and Alexandria community members to bring in PCs to have students run anti-virus and anti-spyware checks and optimize performance (Link 1, Attachments: PC CleanUpDay May12.pdf and PC Clean Up Day Jan12.pdf). NVCC has partnered with CyberWatch's K-12 program to offer a summer program for middle-school girls that will provide hands-on labs and mentoring from women in cybersecurity (Attachment: 1f - ETPRO_CWK12_MOU.pdf).

Criteria 2

2. IA/Cybersecurity Student Development

The program provides development opportunities for students that lead to a two year associate's degree or a certificate in an IA discipline.

(Overall Point Value: 5 Minimum/11 Maximum)

2a. IA/Cybersecurity Degrees/Certificates

- Evidence of IA/Cybersecurity degrees/areas of study/track or certificates (e.g., List of IA Associates degrees and/or certificates in IA/Cybersecurity curriculum as listed on the institution's website or catalog, list of all IA/Cybersecurity program courses with their descriptions)

(5 points (required))

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

Current Link(s)
http://www.nvcc.edu/academics/programs/cat2012/programdetail.aspx?prog_id=2900&subprog_id=6&level=2
https://www.nvcc.edu/curcatalog/descript/description.asp?subject=ITN&fullname=Information%20Technology%20Networking&catalog=276
https://www.nvcc.edu/curcatalog/descript/description.asp?subject=ITN&fullname=Information%20Technology%20Networking&catalog=277
https://www.nvcc.edu/curcatalog/descript/description.asp?subject=ITN&fullname=Information%20Technology%20Networking&catalog=277
http://www.nvcc.edu/academics/programs/cat2012/programdetail.aspx?prog_id=2900&subprog_id=0&level=1

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
2a - ITN262.pdf
2a - ITN261.pdf
2a - ITN260.pdf

2a - ITN267.pdf

2a - ITN266.pdf

2a - ITN263.pdf

Justification

Current Justification:

NVCC Offers a Cyber Security Career Studies Certificate (Link 1) that can be taken in conjunction with the Applied Associate of Science (AAS) Information Technology (IT) degree. The CSC contains the following courses (Course Content Summaries have been attached): ITN 260 – Network Security Basics ITN 261 – Network Attacks, Computer Crime, and Hacking ITN 262 – Network Communications, Security, and Authentication ITN 263 – Internet/Intranet Firewalls and E-Commerce Security ITN 266 – Network Security Layers ITN 267 – CyberLaw Other cybersecurity courses that are offered include ITN 276 – Computer Forensics 1 (Link 2) and ITN 277 – Computer Forensics II (Link3). Specialized topics in courses are offered, such as ITN 295: Topics In: CISSP Prep (Link 4). These courses can be added to the AAS IT degree as the required electives in semesters 3 and 4 (Link 5). A new AAS degree in Cybersecurity is planned.

2b. Applied Training

- Courses containing "Hands-on" or lab training

(2 points per course/6 points maximum)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

No Links Entered

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
Fall2012Syllabus263.pdf
ITN 261_Syllabus_Fall_2012.pdf
ITN260syllabusFall16wk.pdf
ITN260-Syllabus-Fall-2012-8-Week-V2.pdf
ITN261 Lab Activities Assigned.pdf

Justification

Current Justification:

Several courses offer the opportunity for hands-on labs, including * ITN 260 - Network Security Basics (Attachment: ITN260syllabusFall16wk.pdf) * ITN 261 - Network Attacks, Computer Crime, and Hacking (Attachment: ITN 261_Syllabus_Fall_2012.pdf) * ITN 263 – Internet/Intranet Firewalls and E-Commerce Security (Attachment: Fall2012Syllabus263.pdf). Other courses that offer hands-on labs include: * ITN 276 - Computer Forensics I * ITN 277 - Computer Forensics II

Criteria 3

3. IA/Cybersecurity as a Multidisciplinary Science

The academic program demonstrates that IA/Cybersecurity is not treated as a separate discipline, but as a multidisciplinary science with elements of IA/Cybersecurity knowledge incorporated into various disciplines.

(Overall Point Value: 10 Minimum/15 Maximum)

3a. IA/Cybersecurity Taught in Non-IA/Cybersecurity Courses

- Evidence that IA/Cybersecurity is taught as modules in existing non-IA courses and that non-technical/non-IA students are being introduced to IA/Cybersecurity (e.g., business courses teaching Information Security modules, health courses incorporating HIPAA regulations, etc.)

(Up to 5 points)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

Current Link(s)
http://www.nvcc.edu/academics/programs/cat2012/advisingsheet.aspx?prog_id=2450&subprog_id=0
http://www.nvcc.edu/academics/programs/cat2012/programdetail.aspx?prog_id=200&subprog_id=0&level=1
http://www.nvcc.edu/academic/coursecont/summaries/adj159.htm
http://www.nvcc.edu/academic/coursecont/summaries/adj255.htm
http://www.nvcc.edu/academic/coursecont/summaries/adj256.htm

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
3a - HIM233.pdf
3a - HIM230.pdf
3a - HIM130.pdf
3a - ITe115.pdf
3a - BIO165.pdf

Justification

Current Justification:

Several programs, including Healthcare Information Management (Link 1) and Administration of Justice (Link 2), include IA modules within their traditionally non-IA courses. Following is a list of the courses in these programs for which Course Content Summaries that contain some IA modules are provided: * HIM 130 - Healthcare Information Systems (attached) - Discusses challenges posed to privacy and security of patient health information and HIPAA privacy and security rules. * HIM 230 - Information Systems and Technology in Healthcare (attached) - Discusses security standards and selecting the most appropriate method for ensuring data security and confidentiality of secondary records. * HIM 233 - Electronic Health Records Management (attached) - Discusses protecting data integrity and validity using software or hardware technology, and the application of departmental and organizational data and information system security policies. * ADJ 159 - Physical Security (Link 3) - discusses identifying physical security threats and controls. * ADJ 255 - Security Management (Link 4) - security planning and management for security investigators * ADJ 256 - Information Security (Link 5) - provides insight into techniques to protect proprietary operations * BIO 165 - Principles in Regulatory and Quality Environments for Biotechnology (attached) - Discusses managing information and maintaining confidentiality of proprietary information property. Additionally, many other IT courses, such as ITE 115 (attached) Intro to Microcomputer Concepts and Applications, includes security and privacy modules. IA faculty plan to develop modules addressing Supply Chain Risk Management (SCRM) for integration into engineering and project management courses.

3b. IA/Cybersecurity Program Requires Non-Technical Courses

- Evidence that IA/Cybersecurity programs (certificate and/or degree programs) require non-technical courses of study (e.g., ethics, policy, and business)

(Up to 5 points)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

http://www.nvcc.edu/academics/programs/cat2012/programdetail.aspx?prog_id=2900&subprog_id=6&level=2

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
2a - ITN267.pdf
2a - ITN262.pdf
2a - ITN260.pdf

Justification

Current Justification:

Non-technical content discussions over ethics and and policy are taught within Cybersecurity courses that comprise the Cyber Security Career Studies Certificate, such as ITN 260 - Network Security Basics(attached) that contains modules (E. in legal, privacy, and ethical issues), with ITN 262 - Network Communication, Security, and Authentication, that is heavily based in IA policy (attached), and ITN 267 - CyberLaw (attached). Additionally, the student is required to take a technical writing class or other business-oriented English elective and a one-credit Student Development course (Link 1).

3c. Professional Development Courses

- Availability of non-credit/credit professional development courses in IA/Cybersecurity (e.g., First responders, K-12 teachers)

(Up to 5 points)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

Current Link(s)

http://www.nvcc.edu/wdce/pdf/WD_Spring13.pdf

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)

3c - IA Courses offered Fall 2012.pdf

3C - WD_Spring13.pdf

Justification

Current Justification:

NVCC has an extensive Workforce Development organization that offers a variety of professional development-related IA courses. Courses offered for the Spring 2013 semester (attached/Link 1) include: * Certified FISMA Practictioner * ITEC 1826-01N Security+ * CISSP CBK Certification Review – ITEC 1881-01N * Network Security and Virtual Private Networks ITEC 1705-01L * CyberWatch Security ITEC 1714-01N A listing has been provided of courses offered in the Summer and Fall, 2012 (attached), and includes a list of planned courses that are presently under development.

Criteria 4

4. IA/Cybersecurity Faculty

Faculty assigned specifically to teach and/or develop IA courses/ curriculum/modules.

(Overall Point Value: 11 Minimum/15 Maximum)

4a. Head of IA/Cybersecurity Program

- Identify, by name, faculty member with overall responsibility for the IA/Cybersecurity instructional program. - Provide evidence, i.e., verification letter and/or job description. - Provide link to biography or CV.

(5 points (required))

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

Current Link(s)
http://www.nvcc.edu/home/mleary/Learycv.htm

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
CAE2Y Letter to NSA.pdf

Justification

Current Justification:

Dr. Margaret Leary has been designated with the overall responsibility for the IA/Cybersecurity instructional program at NVCC. A letter has been provided by Dr. Sheri Robertson, Associate Vice President, Academic Services (Attachment 1). A link to Dr. Leary's CV is provided (Link 1).

4b. Additional IA/Cybersecurity Faculty

- Identify, by name, additional IA/Cybersecurity faculty members teaching IA/Cybersecurity courses within the department that sponsors IA/Cybersecurity programs. - Provide link to biography or CV.

(1 point per faculty/up to 5 points maximum)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

No Links Entered

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)

[LINK REMOVED]

Justification

Current Justification:

Resumes/CVs for additional faculty teaching IA courses at NVCC have been provided for the following: * Dr. David Ward * John Fiess * Ricardo Newman * William Mcborrough * Kenneth Williams * William McLaughlin

4c. Faculty Qualifications

- Provide evidence in the form of curriculum vitae supporting the faculty members' qualifications to teach IA/Cybersecurity. - At least one IA/Cybersecurity faculty member will be expected to be professionally certified with at least one of the IA/Cybersecurity certifications listed under DOD Directive 8570, such as CISSP, CISA, CISM, CEH, etc. (see attached DoD 8570 list). - A minimum of 15 hrs of graduate coursework and/or appropriate experience in a related field could be considered in lieu of a professional certification. - Note: Can be same individual as 5a/b.

(5 points (required))

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

Current Link(s)

http://www.nvcc.edu/home/mleary/Learycv.htm

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Justification

Current Justification:

All faculty teaching IA courses at NVCC have current experience and/or certification in Information Assurance. Specifically, faculty holding DoD 8570 certifications include: * Margaret Leary: CISSP, CIPP/G, CRISC (Link 1) * John Fiess: CISSP, GCIA, GCIH, GCFE, MCSE (attached) * Ricardo Newman: CRISC, CISM, NSA IEM (attached) * William McBorrough: CISSP, CISA, CRISC, CEH (attached) * Kenneth Williams: CISSP (attached)

Criteria 5

5. Practice of IA/Cybersecurity encouraged throughout the Institution

The academic program demonstrates how the institution encourages the practice of IA, not merely that IA is taught.

(Overall Point Value: 8 Minimum/20 Maximum)

5a. IA Security Plan/Policies

- Provide a link to the institution's IA security plan and/or policies

(Up to 5 points)

Link(s) for Selected Criteria

This criteria may have 1 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

http://www.nvcc.edu/legal/

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

No Attachments Entered

Justification

Current Justification:

A link to NVCC's security policies and plans has been provided (Link 1). This includes the following documents: Ethics Agreements/Guidelines *NVCC Employee Acceptable Use Agreement *NVCC Computer Use Agreement *NVCC Information Technology Employee Ethics Agreement *NVCC Social Media Guidelines *Policy on Use of Electronic Communications and Social Media *VCCS Information Technology Student/Patron Ethics Agreement *VCCS Student Email Account Guidelines Policies *Policy:1.75 Dept. of Human Resources Management Polices & Procedures *Accessibility *Copyright Information & Policy *Credit Card Processing Safety Requirements *Definition of Sensitive Information * Document Retention *Email Use at NVCC (Summary) *Freedom of Information Act (FOIA) *FERPA *NVCC College-Wide and Campus Email Distribution Lists Policy *NVCC Email Policies and Procedures *NVCC IT Security Policy 2008 *NVCC IT Security Policy, rev. 2006 *NVCC Professional Website Disclaimer Statement *NVCC Storage of Sensitive Information and Portable Storage Devices *NVCC Web Policy *NVCC Web Privacy Policy *VCCS Electronic Communications Standard *VCCS Email Policy for Student Accounts IT Security Plans * NOVA IT Security Awareness Training Plan 2008

5b. Institution's ISSO

- Institution designated Information System Security Officer or equivalent. - Provide name, position and job description for person or persons responsible for information security.

(5 points (required))

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

No Links Entered

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
6b – LINK REMOVED
6b – LINK REMOVED

Justification

Current Justification:

The following individuals have been assigned specific security roles at NVCC: * Allen Sinner: Chief IT Security Officer (CISO) * William Johnson: IT Security Analyst Lead

5c. Implementation of IA Security Plan

- Provide evidence of the implementation of the institution IA security plan to encourage IA awareness throughout the campus (e.g., Students, faculty and staff are required to take computer based training or on-line tutorials; a security banner statement present on institution computers; security related help screens are available; institution-wide seminars are held on the importance of IA, etc- 2pts awarded per item).

(2 points minimum (required)/10 points maximum)

Link(s) for Selected Criteria

This criteria may have 0 to 10 Link(s).

The following Link(s) have been listed for the selected criteria.

Current Link(s)
http://www.nvcc.edu/resources/techtrainplan/NOVAITSecurityAwareTrainingPlanFeb08.rtf
http://www.nvcc.edu/current-students/policies--forms/web-procedures-and-policies/index.html
http://www.nvcc.edu/about-nova/directories--offices/administrative-offices/ithd/students/onlinetraining/index.html
http://www.nvcc.edu/_assets/files/factechtips.pdf
http://www.nvcc.edu/about-nova/directories--offices/administrative-offices/ithd/students/software/index.html

Attachment(s) for Selected Criteria

This criteria may have 0 to 10 Attachment(s).

The following Attachment(s) have been listed for the selected criteria.

Current Attachment(s)
6c - banner.pdf
6c - Moat Requirement.pdf

Justification

Current Justification:

The NOVA IT Security Awareness Training Plan web provides a plan for implementing security awareness trainig to faculty and staff at NVCC (Link 1). Additionally, the state of Virginia

requires all employees to participate in IT security awareness training every year (attached). Faculty, staff and students are presented with security banners that must be acknowledged prior to logging in to the system (attached). NVCC provides students with online web procedures, email policies, and account guidelines. (Link 2). Online tutorials are provided to students that address software and security tutorials (Link 3 - a NVCC student account is required). Faculty and staff are provided a Factechtips (Link 4) that addresses security issues and also the availability of free Symantec anti-virus software for home computer use. Students are also provided free antivirus and antispyware software (Link 5).