



UNIVERSITY
AT ALBANY

State University of New York

Senior Vice President for Academic Affairs & Provost

September 24, 2015

Alexander N Cartwright, Ph.D.
Provost and Executive Vice Chancellor
State University of New York
State University Plaza
Albany, NY 12246

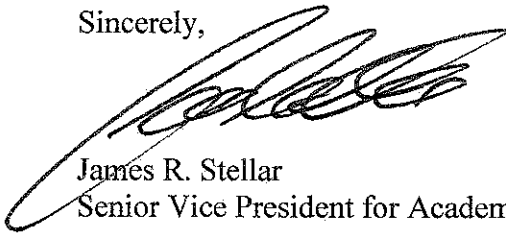
Dear Dr. Cartwright,

I am pleased to submit for your consideration the attached program announcement for a Bachelor of Arts degree in Emergency Preparedness, Homeland Security and Cybersecurity. We are targeting an effective date of Fall 2016 for admission to the program.

Should there be a need for additional information or clarification to facilitate processing, please contact Celine Forsyth, Assistant to the Vice Provost for Undergraduate Education at cforsyth@albany.edu.

Thank you for your consideration and assistance.

Sincerely,



James R. Stellar
Senior Vice President for Academic Affairs and Provost

Attachment

- c. Dr. Jeanette Altarriba, Vice Provost and Dean for Undergraduate Education
- Dr. David Rousseau, Dean, College of Emergency Preparedness, Homeland Security and Cybersecurity
- Ms. Elizabeth Gray, Asst to the Dean, College of Emergency Preparedness, Homeland Security and Cybersecurity
- Ms. Celine Forsyth, Asst to the Vice Provost for Undergraduate Education



Program Announcement: Undergraduate Degree Program

Form 1A
Version 2014-11-17

Before submitting a proposal for a new program leading to an undergraduate degree, a SUNY campus must submit a cover letter signed by the Chief Executive or Chief Academic Officer and a completed Program Announcement (PA) to the SUNY Provost at program.review@suny.edu. The PA procedure is described at the end of this form.

| Section 1. General Information | | | | | | | | | |
|---|--|----------------|--|---------------------------------------|-------------|-----------------------------|--|---------------------------------|--|
| a) Institutional Information | List each campus (and its 6-digit <u>SED Institution Code</u>) where the entire program will be offered: University at Albany 210500 | | | | | | | | |
| b) Program Locations | List the name and address of each off-campus location (e.g., <u>extension site or extension center</u>) where courses (but not the entire program) will offered, or check here [X] if not applicable. If applicable, send documentation to show that <u>SUNY policy on off-campus locations</u> has been followed. Will 50% or more of the program be offered at a distance? [] Yes [] No | | | | | | | | |
| e) Proposed Program Information | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-bottom: 1px solid black;">Program Title:</td> <td style="border-bottom: 1px solid black;">Emergency Preparedness, Homeland Security and Cybersecurity</td> </tr> <tr> <td style="border-bottom: 1px solid black;"><u>Award(s)</u> (e.g., A.A.S., B.A.):</td> <td style="border-bottom: 1px solid black;">B.A.</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Number of Required Credits:</td> <td style="border-bottom: 1px solid black;">Minimum [120] If tracks or options, largest minimum []</td> </tr> <tr> <td style="border-bottom: 1px solid black;"><u>Proposed Program Codes</u>:</td> <td style="border-bottom: 1px solid black;"><u>HEGIS Code</u> [2102] 6-digit <u>CIP 2010 Code</u> [43.0301]</td> </tr> </table> <p>If the program will be accredited, list the accrediting agency and expected date of accreditation:</p> <p>If applicable, list the <u>New York State certificate title(s) and type(s)</u> to which the program leads:</p> <p>If applicable, list the <u>New York State professional licensure title(s)</u> to which the program leads:</p> | Program Title: | Emergency Preparedness, Homeland Security and Cybersecurity | <u>Award(s)</u> (e.g., A.A.S., B.A.): | B.A. | Number of Required Credits: | Minimum [120] If tracks or options, largest minimum [] | <u>Proposed Program Codes</u> : | <u>HEGIS Code</u> [2102] 6-digit <u>CIP 2010 Code</u> [43.0301] |
| Program Title: | Emergency Preparedness, Homeland Security and Cybersecurity | | | | | | | | |
| <u>Award(s)</u> (e.g., A.A.S., B.A.): | B.A. | | | | | | | | |
| Number of Required Credits: | Minimum [120] If tracks or options, largest minimum [] | | | | | | | | |
| <u>Proposed Program Codes</u> : | <u>HEGIS Code</u> [2102] 6-digit <u>CIP 2010 Code</u> [43.0301] | | | | | | | | |
| d) Campus Contact | Name and title: Celine Forsyth Assistant to the Vice Provost for Undergraduate Education Telephone: 518-442-3950 E-mail: cforsyth@albany.edu | | | | | | | | |
| e) Chief Executive or Chief Academic Officer Approval | Signature affirms that the proposal has met all applicable campus administrative and shared governance procedures for consultation, and the institution's commitment to support the proposed program. <i>E-signatures are acceptable.</i> Name and title: James R. Stellar, Ph.D. Senior Vice President for Academic Affairs and Provost Signature and date: 9/30/15 If the intended program will be offered jointly with one or more other institutions, provide the following information for each institution: Partner institution's name and 6-digit <u>SED Code</u> : Name, title, and signature of partner institution's CEO (or append a signed letter indicating approval of this proposal): | | | | | | | | |
| Section 2. Program Summary | | | | | | | | | |

In 300 or fewer words, describe the proposed program, including its purpose, content, structure and duration.

The Major in Emergency Preparedness, Homeland Security and Cybersecurity is designed to provide students with a broad overview of these three critical fields as well as to help students develop critical thinking skills and subject area knowledge of public policy, management and risk analysis. The major will require students to take a core curriculum (risk management, emergency preparedness, homeland security, cybersecurity, critical thinking and communication, and leadership and ethics), experiential courses (undergraduate research, senior capstone, internship, and training), and a concentration (cybersecurity, homeland security, or emergency management). The program is interdisciplinary and will draw on courses from several units, including Rockefeller College of Public Affairs and Policy, School of Public Health, School of Business, College of Engineering and Applied Sciences, School of Social Welfare, and the College of Arts and Sciences. The fields of emergency preparedness, homeland security and cybersecurity are highly related and overlapping fields of study. The overlap exists because each of these fields requires leaders and managers to identify a vast array of hazards and risks, to measure, assess and compare risks, to prepare for and mitigate risk, and to respond to incidents that do occur. This new major will provide students with a unique opportunity to explore an integrated curriculum which touches upon some of the most critical issues facing the world today. Beyond the subject specific knowledge, the objective of the new major is to establish a solid liberal arts program that emphasizes critical thinking, strategic communication, leadership, ethical decision-making, and experiential learning. Beyond preparation for careers in the three fields of study, the acquisition of these broadly applicable skills will prepare students for success in careers in a wide range of fields in the public, private, and nonprofit sectors.

| Expected Enrollment | When Program Begins | In Year 5 |
|---------------------|---------------------|-----------|
| Full-time students | 27 | 180 |
| Part-time students | 3 | 20 |

Section 3. Curriculum

Provide a list of all courses in the curriculum (including Liberal Arts and Sciences, SUNY General Education Requirement, Transfer Path courses) to show the entire structure and content of the program. Expand or duplicate this table as needed for tracks, concentrations and specializations.

CORE REQUIREMENTS

| Lower Division Course Title | Credits | GE | LAS | Upper Division Course Title | Credits | GE | LAS |
|--|---------|----|-----|---|---------|----|-----|
| CEHC 101 Introduction to Emergency Preparedness, Homeland Security and Cybersecurity | 3 | SS | X | CEHC 343 Homeland Security | 3 | | X |
| CEHC XXX Critical Inquiry and Communication | 3 | | X | CEHC 344 Emergency Preparedness | 3 | | X |
| CEHC Cybersecurity | 3 | | X | CEHC XXX Ethics and Leadership | 3 | | X |
| | | | | CEHC XXX Advanced Research in Emergency Preparedness, Homeland Security and Cybersecurity | 3 | | X |
| | | | | CEHC XXX Internship in Emergency Preparedness, Homeland Security and Cybersecurity | 3 | | X |
| | | | | CEHC XXX Capstone | 3 | | X |
| UUNI 110 Writing | 3 | BC | X | | | | |

| | | | | | | | |
|--|-----------|----|-----------|--|-----------|--|-----------|
| Arts | 3 | AR | X | | | | |
| Humanities | 3 | HU | X | | | | |
| Math | 3 | M | X | | | | |
| Natural Science | 3 | NS | X | | | | |
| US History | 3 | AH | X | | | | |
| International Perspectives | 3 | O | X | | | | |
| Foreign Language | 3 | FL | X | | | | |
| General Education | 3 | X | X | | | | |
| | | | | | | | |
| Minor Credits (required, subject unrestricted) | 9 | | X | Minor Credits (required, subject unrestricted) | 9 | | |
| Core Subtotals | 45 | | 45 | | 27 | | 18 |

Emergency Preparedness Concentration

| Lower Division: | | | | Upper Division: | | | |
|--|----------------|-----------|------------|----------------------------------|--------------|-----------|------------|
| Course Title | Credits | GE | LAS | Course Title | Credi | GE | LAS |
| Emergency Preparedness Elective * | 6 | | X | Emergency Preparedness Elective* | 6 | | X |
| Liberal Arts Elective | 6 | | X | Liberal Arts Elective | 9 | | X |
| Free Elective | 9 | | | Free Elective | 12 | | |
| | | | | | | | |
| Subtotal Emergency Preparedness Concentration | 21 | | 12 | | 27 | | 15 |

*Four Emergency Preparedness Electives (2 lower division and 2 upper division) to be chosen from the following courses:

AATM 100 The Atmosphere
AATM 103 Introduction to Climate Change
RPOS/RPAD 140 Introduction to Public Policy
AATM 200 Natural Disasters
AUSP 201 Introductory Urban Planning
HSPH 201 Introduction to Public Health
HSPH 231 Concepts in Epidemiology
TSPH 272 Health and Human Rights: an Inter-disciplinary Approach
AGOG 290 Introduction to Cartography
CEHC XXX Simulation
CEHC XXX International Emergency Management
CEHC XXX Civil Liberties and Emergency Preparedness, Homeland Security and Cybersecurity
CEHC XXX Critical Infrastructure
CEHC XXX Capability Based Preparedness

AUSP 315Z State and Regional Planning
RPOS/RPAD 316 Methodological Tools for Public Policy
HSPS 321 Global Environmental Issues and Their Effect on Human Health
RPOS/RPAD 321 State and Local Government
HSPH 323 Environmental Laboratory Perspectives in Public Health
HSPH 341 Promoting Healthy People and Communities
AUSP 430/430Z/AGOG 430 Environmental Planning
RPAD 455 Disaster, Crisis and Emergency Management and Policy
AUSP 456/AGOG 496 Geographic Information Systems
RPAD 471 Military Forces in Support of Civil Authorities
RPAD 472 Disaster and Crisis Management in the Public, Private, and Nonprofit Sectors
AGOG 484 Remote Sensing I

Homeland Security Concentration

| Lower Division: Course Title | Credit | GE | LAS | Upper Division: Course Title | Credit | GE | LAS |
|---|---------------|-----------|------------|--|---------------|-----------|------------|
| Homeland Security Elective ** | 6 | | X | Homeland Security Elective** | 6 | | X |
| Liberal Arts Elective | 6 | | X | Liberal Arts Elective | 9 | | X |
| Free Elective | 9 | | | Free Elective | 12 | | |
| | | | | | | | |
| Subtotal Homeland Security Concentration | 21 | | 12 | | 27 | | 15 |

**Four Homeland Security Electives (2 lower division and 2 upper division) to be chosen from the following courses:

| | |
|--|--|
| RPOS 101 American Politics | RCRJ 353/RPOS 363 American Criminal Courts |
| RCRJ 201 Introduction to the Criminal Justice Process | RPOS 317 Comparative Criminal Procedure |
| RCRJ 202 Introduction to Law and Criminal Justice | RPOS 320 American Federalism |
| RCRJ 203 Criminology | RPOS 322/RPAD 322 Govt & Politics of New York City |
| TPOS 260 Political Violence | RPOS 336 Civil Liberties |
| TPOS 261Y Comparative Ethnicity | RCRJ 351 Policing in a Free Society |
| RCRJ 281 Intro to Statistics in Criminal Justice | RPOS 360 Violent Political Conflict |
| CEHC XXX Simulation | RCRJ 401 Crime Deviation and Conformity |
| CEHC XXX Comparative Homeland Security | RCRJ 414Z Order and Disorder in Society |
| CEHC XXX Civil Liberties and Emergency Preparedness, Homeland Security and Cybersecurity | RCRJ 417 Cross-National Crime |
| CEHC XXX Human Trafficking | RPAD 471 Military Forces in Support of Civil Authorities |
| CEHC XXX Psychology of Terrorism | RPAD 456 Homeland Security Intelligence |
| | RPAD 457 Intelligence Analysis for Homeland Security |

Cybersecurity Concentration

| Lower Division: Course Title | Credits | GE | LAS | Upper Division: Course Title | Credits | GE | LAS |
|--|----------------|-----------|------------|--|----------------|-----------|------------|
| Cybersecurity Elective *** | 6 | | | Cybersecurity Elective*** | 6 | | |
| Liberal Arts Elective | 12 | | X | Liberal Arts Elective | 15 | | X |
| Free Elective | 3 | | | Free Elective | 6 | | |
| | | | | | | | |
| Subtotal Cybersecurity Concentration | 21 | | 12 | | 27 | | 15 |
| Grand Totals: Major – 39 credits Degree – 120 credits | | | | | | | |

***Four Cybersecurity Electives (2 lower division and 2 upper division) to be chosen from the following courses:

BFOR 100 Introduction to Information Systems
 BFOR 201 Introduction to Digital Forensics
 IINF 202 Introduction to Data and Databases
 BFOR 202 Cyber Crime Investigations
 BFOR 203 Networking: Intro to Data Communication
 BFOR 204 Introduction to Digital Forensics
 IINF 403 Advanced Networking and Security
 ICSI 426 Cryptography
 CEHC XXX Simulation
 CEHC XXX Cybercrime
 CEHC XXX Cybersecurity and Critical Infrastructure
 CEHC XXX Civil Liberties and Emergency Prepared-
 ness, Homeland Security and Cyber-
 security

BFOR 300 Databases for Digital Forensics
 BFOR 301 Computer Forensics I
 BFOR 302 eDiscovery Forensics
 BFOR 303 Computer Forensics II
 BFOR 304 Network and Mobile Forensics
 IINF 306 Information Security and Assurance
 BFOR 401W Advanced Digital Forensics
 BFOR 402 Digital Forensics Moot Court
 ICSI 424 Information Security
 RPAD 445 Principles and Practices of Cybersecurity
 RCRJ 418 Information Use and Misuse in Criminal Justice
 RCRJ 414Z Order and Disorder in Society
 RCRJ 417 Cross-National Crime
 RPAD 471 Military Forces in Support of Civil Authorities
 RPAD 456 Homeland Security Intelligence
 RPAD 457 Intelligence Analysis for Homeland Security
 RPAD 469 Cyber Threats and Intelligence

Optional, Illustrative Questions to Consider:

For other SUNY campuses responding to the Program Announcement

- Do you have a similar or related program?
- What has been your experience with the program?
- Would the introduction of this program have any effect, positive or negative, on your institution? If so, please specify.
- Do you perceive a need for this kind of program?
- Does the program offer an opportunity for articulation or inter-institutional cooperation?

Your response must be in writing, from your President, and addressed to the President of the proposing campus, with a copy to the SUNY Provost at program.review@suny.edu.

Procedure for Program Announcements (PA)

1. **SCOPE.** A SUNY campus must send a PA to the SUNY Provost at program.review@suny.edu before submitting a proposal for a new program leading to an undergraduate degree. Unless requested by the SUNY Provost, a PA is not required for a program leading to an undergraduate certificate, for a new program being created by combining existing registered programs (e.g., multi-award programs and/or multi-institution programs), or for a new program being created from a track, specialization, or concentration in a registered program.
2. **SUNY PROVOST'S REVIEW.** The SUNY Provost's Office reviews each PA for accuracy and completeness as well as for substantive issues, such as alignment with campus mission and SUNY policy, and requests changes when needed.
3. **PUBLICATION FOR COMMENTS.** Once a PA is acceptable to the SUNY Provost, it is announced on the SUNY Program Review listserv in a weekly *Program Review Update*, which starts a 30-day intra-SUNY comment period. The listserv includes all campus presidents, chief academic officers, and others upon request.

The PA enables other SUNY campuses – particularly those with experience with related programs – to provide information to the proposing campus that can be used to construct a sound program proposal.

4. **COMMENTS FROM OTHER CAMPUSES.** The President of each interested campus must send comments within 30 days of a PA's publication in the *Program Review Update* to the President of the proposing campus, with a copy to the Provost at program.review@suny.edu. Comments may include advice and suggestions about possible articulation opportunities, enrollment trends in related programs, and opportunities for cooperation, as well as concerns or objections.
5. **FOLLOWING THE COMMENT PERIOD.** Once the 30-day comment period for a PA ends, and any concerns and/or objections have been resolved, the campus may prepare a full proposal for the SUNY Provost and, when required, begin the external evaluation process.
6. **EXPIRATION.** A PA expires one year after its publication in the *Program Review Update*. If the proposing campus does not submit a program proposal to the SUNY Provost before a PA expires, the campus must submit another PA to start the process again.