Program Revision Proposal:
Creating New Program(s) from Existing Program(s)

Form 3B

Version 2017-03-27

This form should be used to seek SUNY's approval to create one or more new programs from existing, registered programs. *A campus is not required to submit a Program Announcement (PA) or a Letter of Intent (LI) for these types of new programs.* The Chief Executive or Chief Academic Officer should submit **a signed cover letter and this completed form** to the SUNY Provost at *program.review@suny.edu*.

Section 1. General Information		
a) Institutional Information	Institution's 6-digit SED Code:	**210500**
	Institution's Name:	University at Albany
	Address:	*1400 Washington Avenue, Albany, NY 12222*
b) Program Locations	List each campus where the entire program will be offered (with each institutional or branch campus 6-digit SED Code): 210500	
	List the name and address of off-campus locations (i.e., extension sites or extension centers) where courses will offered, **or check here [ ] if not applicable**:	
c) Proposed Program Information	Program Title:	Cybersecurity
	Award(s) (e.g., A.A., B.S./M.S.):	B.S.
	Number of Required Credits:	Minimum [120] If tracks or options, largest minimum [ ]
	Proposed HEGIS Code:	0701.00
	Proposed 6-digit CIP 2010 Code:	11.1003
	If the program will be accredited, list the accrediting agency and expected date of accreditation:	
	If applicable, list the SED professional licensure title(s)[1] to which the program leads:	
d) Campus Contact	Name and title: Kaitlyn Beachner, Staff Associate for Undergraduate Academic Programs Telephone and email: 518 – 442 – 3941; kbeachner@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.** ***E-signatures are acceptable.*** Name and title: Carol Kim, Ph.D., Senior Vice President for Academic Affairs & Provost Signature and date: 4/4/2022	
	If the program will be registered jointly[2] with one or more other institutions, provide the following information for <u>each</u> institution:	
	Partner institution's name and 6-digit SED Code: Name, title, and signature of partner institution's CEO (or **append** a signed letter indicating approval of this proposal):	

[1] If the proposed program leads to a professional license, a specialized form for the specific profession may need to accompany this proposal.
[2] If the partner institution is non-degree-granting, see SED's CEO Memo 94-04.

Section 2. Multi-Award and Multi-Institution Programs

[√] Not a multi-award or multi-institution program. *Proceed to Section 3.*

Check one.

[ ] This proposal is for a **multi-award program** that leads to two separate awards (e.g., A.S./B.A., B.S./M.S.). **Complete Section 2.1, below.** ***NOTE:*** *Such programs generally involve special admissions for students who have the capacity to complete all awards, curricular integration between the component programs, and shortened time to degree compared to taking the programs separately.*

[ ] This proposal is for a **multi-institution program** (also called a "jointly registered program") to be offered jointly by two or more institutions. **Complete Section 2.2 below**. ***NOTE:*** *Such programs involve a formal agreement between two or more institutions to offer courses leading to an award.*

[ ] This proposal is for a **multi-institution, multi-award program** to be offered jointly by more two or more institutions and lead to two separate awards. **Provide a single, consolidated response that reflects all the items in Sections 2.1 and 2.2, below.**

Section 2.1. Multi-Award Programs

a) Check all SED-defined formats, mode and other program features that apply to the **entire program**.

Format(s): [ ]Day [ ]Evening [ ]Weekend [ ]Evening/Weekend [ ]Not Full-Time

Modes: [ ]Standard [ ]Independent Study [ ]External [ ]Accelerated [ ]Distance Education
NOTE: *If the program is designed to enable students to complete 50% or more of the course requirements through distance education, check Distance Education, see Section 10, and* ***append*** *a Distance Education Format Proposal.*

Other: [ ] Bilingual [ ] Language Other Than English [ ] Upper Division [ ] Cooperative [ ] 4.5 year [ ] 5 year

b) List registered programs at the institution identified in Section 1 whose courses will contribute to this program. Add rows as needed.

Programs	Program Title	Award	SED Program Code
Program 1			
Program 2			

c) List all the courses required for each existing program, and indicate which ones will be counted toward both awards.

d) What is the length of time students will have to complete the proposed program?

e) What are the admissions requirements for the new program, and how are they related to student success?

f) Complete a ***SUNY Program Schedule*** to show how students will be able to schedule all required courses to complete the multi-award program.

Section 2.2. Multi-Institution Programs

[ ] All partner institutions are listed in Section 1, with CEO information and a signature for each partner.

a) Check all SED-defined formats, mode and other program features that apply to the **entire program**.

Format(s): [ ]Day [ ]Evening [ ]Weekend [ ]Evening/Weekend [ ]Not Full-Time

Modes: [ ]Standard [ ]Independent Study [ ]External [ ]Accelerated [ ]Distance Education
NOTE: *If the program is designed to enable students to complete 50% or more of the course requirements through distance education, check Distance Education, see Section 10, and* ***append*** *a Distance Education Format Proposal.*

Other: [ ] Bilingual [ ] Language Other Than English [ ] Upper Division [ ] Cooperative [ ] 4.5 year [ ] 5 year

b) List all the courses required for the program, and indicate which ones will be completed at each institution.

c) Describe the administrative provisions for coordinating admissions, advisement and financial aid for the program between the two institutions.

d) Describe the program's policies governing residency requirements and tuition charges.

e) Explain any other special arrangements or requirements arising from the multi-institution nature of the program.

f) Complete a ***SUNY Program Schedule*** to show how students will be able to schedule all required courses to finish the program.

Section 3. New Program from Option/ Concentration/Track in an Existing Program

This section should be used to propose the creation of a new program from an option/concentration/track[3] in existing, registered programs, which is sometimes called "disaggregation."

The new program must be based entirely on existing courses from an option/concentration/track in a registered program.

A new program proposal (SUNY Form 2A or 2B) must be submitted – instead of this form – when:

- the new program will be offered at a different location than the campuses identified in Section 1, or
- a Master Plan Amendment is required for the new program, or
- one or more new courses will be added to the program at the same time, or
- there are changes to the program admissions, or
- there will be changes to the evaluation elements

Note: The institution can use this form (3B) to register a new program from an existing option/concentration/track, and make changes to it after it is registered by submitting Form 3A. As always, institutions can only advertise and offer a program *as it is currently registered*.

Section 3.1. Revision of Existing Program

Registered Program to be Changed	
Program Title:	Informatics
SED Program Code	37307
Award(s) (e.g., A.A., B.S.):	B.S.
Number of Required Credits:	Minimum [120] If tracks or options, largest minimum [ ]
HEGIS Code:	0799.00
CIP 2010 Code:	11.0104
Effective Date of Change:	Fall 2023
Effective Date of Completion[4]	Fall 2023

a) List all registered options/concentrations/tracks and indicate which, if any, will be removed.

There will be one track – Cybersecurity – that is currently one of the tracks in the Informatics B.S. degree. The proposal is to set up a Cybersecurity BS with the exact curriculum as the Cybersecurity concentration of the Informatics B.S.

Section 3.2. Proposed New Program

a) Describe the new program and the rationale for converting the existing coursework to a separately registered program.

As part of efforts of the University at Albany's College of Emergency Preparedness, Homeland Security, and Cybersecurity (CEHC) to rationalize their degree programs and to respond to ongoing and anticipated student demand, we are proposing to create a stand-alone B.S. degree in Cybersecurity. This degree will be made up of the core and concentration requirements of the current Cybersecurity concentration track in the current B.S. degree in Informatics

[3] SUNY System uses these terms interchangeably.
[4] If the current program(s) must remain in its current form until enrolled students have graduated, the anticipated effective date by which continuing students will have completed the current version of the program(s).

offered by CEHC.

The Cybersecurity concentration of the current Informatics B.S. degree is far and away the most popular concentration in the Informatics BS program. Since Fall 2019, it has increased in popularity from 33.8% of all students to 37.65% in the Fall of 2021. It is currently 17.8% ahead of the second most popular concentration (Information Technology, currently at 19.8%), and 22.8% ahead of the third-place concentration (Data Analytics, at 14.9%). With a Fall 2021 enrollment of 131 students, a stand-alone Cybersecurity B.S. degree would be in the top half of University at Albany Bachelor's degree programs, in terms of enrollments (for reference, the current Informatics BS is in the top quartile, and the adjusted Informatics program would remain in the top half). All data are from the University at Albany Business Information (BI) database.

The continuing large-scale interest in our Cybersecurity offerings indicates to us that it should be established as a stand-alone degree. This will give current and future students, as well as potential employers, clarity as to the nature of their program of study.

The proposed degree would constitute a high-quality Baccalaureate degree in Cybersecurity. It meets the standards necessary for this type of degree. This is attested by the fit with ABET criteria in this area. While we are not at this time proposing to immediately seek accreditation, the proposed program would meet many of the general criteria of an ABET-accredited Cybersecurity degree (ABET document *Criteria for Accrediting Computing Programs,* available at www.abet.org). Specifically, ABET is interested in a degree's content in the following areas:

- Substantial Coverage of algorithms, complexity, theory, programming languages, and software development (Core: INF 108, 203, Several electives)
- Substantial Coverage of at least one general purpose programming language (Core: INF 108 (Python), Several core courses cover special purpose languages, several electives cover Python in increasing depth: INF 308, 405).
- Exposure to computer architecture and organization, networks, distributed computing (Core: INF 124X, 203, 405)
- The study of computing-based systems at varying levels of abstraction (Core: INF 100, 124X, 108, 201, 202, 203, Several elective courses)
- A major project that requires integration and application of knowledge and skills acquired in earlier course work (Experiential learning requirements, esp. INF 465 - Capstone, INF 466 – Research)
- Apply security principles and practices to maintain operations in the presence of risks and threats (Core: INF 124X, 306, Several upper division electives)
- Application of the concepts of confidentiality, integrity, availability, risk, adversarial thinking, and systems thinking (Core: INF 124X, 306, Several upper division electives)
- Data Security (Core: INF 124X, 202, Several electives)
- Software Security (Core: INF 124X, 108, Several electives)
- Component Security (Core: INF 124X, 203)
- Connection Security (Core: INF 124X, 203)
- System Security (Core: INF 100, 124X, 306, Several electives)
- Human Security (Core: INF 100, 124X, Several electives, esp. INF 454)
- Organizational Security (Core: INF 100, 124X, 201, 305, Several electives, esp. INF 454)
- Societal Cybersecurity (Core: INF 100, 124X, Several electives, esp. INF 454)
- Advanced cybersecurity topics that build on crosscutting concepts and fundamental topics to provide depth (The elective offerings fulfill this role, as well as the Experiential Learning courses, esp. INF 465 and INF 466).

b) Affirm that the admissions standards and evaluation methods are unchanged from the currently registered program.

The admission standards and evaluation methods will remain unchanged from the currently registered program (the B.S. in Informatics). Neither the current nor proposed programs have admission standards or requirements beyond those general to undergraduate admissions at the University at Albany. We are proposing no new courses, so the evaluations in the program, that are based upon course performance, will also remain the same.

c) Explain the expected impact of the new program on existing programs (enrollment, facilities, budget, faculty assignments, etc.)

There will be no net change in resources from the existing configuration to one that splits out the Cybersecurity concentration of the existing Informatics B.S. degree and stands it up as its own degree. Both programs will be administered, taught, and advised out of the same unit, the College of Emergency Preparedness, Homeland Security, and Cybersecurity (CEHC). As mentioned above, the proposed programs will both be viable, with enrollments that put them in the top half of all UAlbany majors by enrollment. Given the existing courses, faculty, etc. there will be no changes in costs, teaching assignments, facilities or other resources resulting from the creation of the proposed new B.S. program.

To accommodate recent and anticipated growth, CEHC will move in the Summer of 2022 to a department model. The new relevant departments will be *Information Science*, that will house the existing Informatics B.S. degree, and *Cybersecurity*, that will house the degree proposed here. Enrollments, facilities, budget, faculty assignments, etc. will be coordinated between the two departments, and overseen by CEHC.

d) Describe adjustments the institution will make to its current resource allocations to support the new program.

There is no significant resource re-allocation due to the proposed program. The current Informatics B.S. program, including the current Cybersecurity concentration is administered, taught, and advised out of the University at Albany's College of Emergency Preparedness, Homeland Security, and Cybersecurity (CEHC). The new, proposed Cybersecurity B.S. degree program will also be taught out of the same College, and be administered, taught, and advised in the same way, and by the same people.

To accommodate recent and anticipated growth, CEHC will move in the Summer of 2022 to a department model. The new relevant departments will be *Information Science*, that will house the existing Informatics B.S. degree, and *Cybersecurity*, that will house the degree proposed here. Resource allocations will be coordinated between the two departments, and overseen by CEHC.

e) Complete a SUNY *Program Schedule*. If the new program has separate options/concentrations/tracks, complete a *Program Schedule* for each one.

Please see following pages.

f) Complete a SUNY *Faculty Table* for all full-time, part-time, and faculty to be hired.

Please see following pages.

SUNY Undergraduate Program Schedule (***OPTION: You can paste an Excel version of this schedule AFTER this line, and delete the rest of this page.***)

Program/Track Title and Award: **Cybersecurity, BS**

a) Indicate **academic calendar type**: [√] Semester [ ] Quarter [ ] Trimester [ ] Other (describe):

b) **Label each term in sequence**, consistent with the institution's academic calendar (e.g., Fall 1, Spring 1, Fall 2)

c) **Name of SUNY Transfer Path, if one exists:** _____ **See Transfer Path Requirement Summary for details**

d) Use the table to show **how a typical student may progress through the program**; copy/expand the table as needed. **Complete all columns that apply to a course.**

Term 1: Fall 1	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
CINF 100X *Information in the 21st Century*	3		3	3			
CINF 108 *Programming for Problem Solving*	3			3			
AMAT 108 *Elementary Statistics*, OR ASOC 221 *Statistics for Sociologists*	3	M		3			
Social Science Gen Ed	3	SS	3				
Art Gen Ed	3	AR	3				
Term credit totals:	15	12	9	9			

Term 2: Spring 1	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
CINF 201 *Introduction to Web Technologies*	3		3	3			CINF 100
UUNI 110 *Writing and Critical Inquiry*	3	BC	3				
Natural Science Gen Ed	3	NS	3				
Elective, Liberal Arts	3		3				
Elective, Liberal Arts	3		3				
Term credit totals:	15	6	15	3			

Term 3: Fall 2	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
CINF 202 *Introduction to Data and Databases*	3			3			CINF 108, ICSI/ICEN/ IECE 201 or BITM 215.
CINF 203 *Introduction to Network and Systems*	3			3			
AMAT 100 *Precalculus Mathematics,* OR AMAT 204 *Topics in Contemporary Mathematics*, OR AMAT 106 *Survey of Calculus*, OR AMAT 12 *Calculus*	3	M	3	3			
Foreign Language Gen Ed	3	FL	3				
International Perspectives Gen Ed	3	IP	3				
Term credit totals:	15	9	9	9			

Term 4: Spring 2	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
CINF 200 *Research Methods for Informatics*, OR ASOC 220 *Introduction to Social Research*	3			3			CINF 100
CINF 301X *Emerging Trends in Information and technology*	3		3	3			
Cybersecurity Course	3			3			
US Historical Perspectives Gen Ed	3	HIS	3				
Humanities Gen Ed	3	HUM	3				
Term credit totals:	15	6	9	9			

Term 5: Fall 3	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
Cybersecurity Course	3			3			
CINF 305 Digital Project management	3			3			CINF 201, 202
Elective, 300+	3						
Elective, 300+	3						
Elective 300+, if needed	3						
Term credit totals:	15			6			

Term 6:Spring 3	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
Cybersecurity Course, 300+	3			3			
CINF Experiential Course, 300+	3			3			
Elective, 300+ Liberal Arts	3		3				
Elective, 300+	3						
Elective	3						
Term credit totals:	15		6	6			

Term 7: Fall 4	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
Cybersecurity Course, 300+	3			3			

Term 8:	See KEY.						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Co/Prerequisites**
CINF 499W *Senior Seminar in*	3		3	3			

									Informatics								
CINF Experiential course, 300+	3			3					CINF Experiential Course, 300+	3			3				
Elective, Liberal Arts	3		3						Elective, Liberal Arts	3		3					
Elective, Liberal Arts	3		3						Elective 300+	3							
Elective, 300+	3								Elective	3							
Term credit totals:	15		6	6					Term credit totals:	15		6	6				

Program Totals (in credits):	**Total Credits: 120**	**SUNY GER: 30**	**LAS: 60**	**Major: 54**	**Elective & Other: 66**	**Upper Division: 45**	**Upper Division Major:24**	**Number of SUNY GER Categories:**
								10

KEY Cr: credits **GER:** SUNY General Education Requirement (Enter Category Abbreviation) **LAS:** Liberal Arts & Sciences (Enter credits) **Maj:** Major requirement (Enter credits) **TPath:** SUNY Transfer Path Courses (Enter credits) **New:** new course (Enter X) **Co/Prerequisite(s):** list co/prerequisite(s) for the noted courses **Upper Division:** Courses intended primarily for juniors and seniors **SUNY GER Category Abbreviations:** American History (AH), Basic Communication (BC), Foreign Language (FL), Humanities (H), Math (M), Natural Sciences (NS), Other World Civilizations (OW), Social Science (SS), The Arts (AR), Western Civilization (WC)

SUNY Graduate Program Schedule ***OPTION:*** ***You can insert an Excel version of this schedule AFTER this line, and delete the rest of this page.)***

Program/Track Title and Award:_____

a) Indicate **academic calendar** type: [ ] Semester [ ] Quarter [ ] Trimester [ ] Other (describe):

b) **Label each term in sequence**, consistent with the institution's academic calendar (e.g., Fall 1, Spring 1, Fall 2)

c) Use the table to show **how a typical student may progress through the program**; copy/expand the table as needed.

d) Complete the last row to show program totals and comprehensive, culminating elements. **Complete all columns that apply to a course.**

Term 1:				**Term 2:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites**
Term credit total:				Term credit total:			
Term 3:				**Term 4:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites**
Term credit total:				Term credit total:			
Term 5:				**Term 6:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites**
Term credit total:				Term credit total:			
Term 7:				**Term 8:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites)**
Term credit total:				Term credit total:			

Program Total:	**Total Credits:**	**Identify the required comprehensive, culminating element(s), such as a thesis or examination, including course number(s), if applicable:**

New: X if new course **Prerequisite(s)**: list prerequisite(s) for the listed courses

Section 4. SUNY Faculty Table

a) If applicable, provide information on faculty members who will be teaching new or significantly revised courses in the program. Expand the table as needed.

b) Append at the end of this document position descriptions or announcements for each to-be-hired faculty member.

(a) Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	(b) % of Time Dedicated to This Program	(c) Program Courses Which May Be Taught (Number and Title)	(d) Highest and Other Applicable Earned Degrees (include College or University)	(e) Discipline(s) of Highest and Other Applicable Earned Degrees	(f) Additional Qualifications: List related certifications and licenses and professional experience in field.
PART 1. Full-Time Faculty					
Gary Ackerman, Associate Professor	12.5%	CINF 301 *Emerging Trends in Information and Technology*, CEHC 410 *Capstone Project in Emergency Preparedness, Homeland Security & Cybersecurity*	Ph.D., Kings College	War Studies	Director, Univ. at Albany Center for Advanced Red Teaming (CART), *Former Research Director and then Special Projects Director at START and the Director of the Center for Terrorism and Intelligence Studies. Former Director of the Weapons of Mass Destruction Terrorism Research Program at the Center for Nonproliferation Studies in Monterey, Calif. Former chief of operations of the South Africa-based African-Asian Society.*
Adkins, David, Visiting Assistant Professor , ASSISTANT PROFGRAM DIRECTOR	75%	CINF 124X: *Computer Security Basics*, CINF 100 *Information in the 21st Century*, INF 301 *Emerging Trends in Information and Technology*, CINF 305 *Digital Project Management*, CINF 496 *Intermediate Special Topics in Informatics*, CINF 499 *Senior Seminar in Informatics*	Ph.D., University at Albany	Informatics	CIO for NYS Energy Research and Development Authority. Director of Enterprise Platform Services for NYS Information Technology Services, Certified Information Systems Auditor, CISSP, PMP Certified, Azure, AWS, and Google Cloud Certified.

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications and licenses and professional experience in field.**
George Berg, Associate Professor PROGRAM DIRECTOR	100%	CINF 108 *Programming for Problem Solving*, CINF 124X *Computer Security Basics*, CINF 202 *Introduction to Data and Databases*, CINF 203 *Introduction to Networks and Systems,* CINF 305 *Digital Project Management*, CINF 306 *Information Security and Assurance*, CINF 452 *Computer & Network Security*, CINF 453 *Information Security and Privacy*, CINF 454 *Human Aspects of Cybersecurity*, CINF 455 *Prevention and Protection Strategies in Cybersecurity*, CINF 465 *Senior Capstone in Informatics*, CINF 466 *Independent Research*	Ph.D., Northwestern University	Computer Science	Former Department Chair of Computer Science, Univ. at Albany Former Department Chair of Informatics, Univ. at Albany, Current Program Director for Informatics, Univ. at Albany CEHC.
M. Abdullah Canbaz, Assistant Professor (Fall 2022)	100%	CINF 100X *Information in the 21st Century*, CINF 108	Ph.D., University of Nevada, Reno	Computer Science and Engineering	Research expertise in data analytics (big data, data mining), wireless sensor networks, IoT networks, anomaly detection,

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications and licenses and professional experience in field.**
		Programming for Problem Solving, CINF 124X, Computer Security Basics, CINF 201 *Intro. to Web Technologies*, CINF 202 *Intro. To Data and Databases*, CINF 203 *Into. To Networks and Systems*, CINF 306 *Information Security and Assurance*, CINF 452 *Computer and Network Security*, CINF 453 *Information Security and Privacy*, CINF 454 *Human Aspects of Cybersecurity*, CINF 455 *Prevention and Protection Strategies in Cybersecurity*, CINF 465 *Senior Capstone in Informatics*, CINF 466 *Independent Research*.			firewalls, intrusion detection, and user privacy.
Kimberly Cornell, Assistant Professor (Fall, 2022)	25%	CINF 100X *Information in the 21st Century*, CINF 108 *Programming for Problem Solving*, CINF 124X, Computer Security	Ph.D., University at Albany	Computer Science	Research specialization in cryptography and related protocols.

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications and licenses and professional experience in field.**
		Basics, CINF 201 *Intro. to Web Technologies*, CINF 202 *Intro. To Data and Databases*, CINF 203 *Into. To Networks and Systems*, CINF 306 *Information Security and Assurance*, CINF 452 *Computer and Network Security*, CINF 453 *Information Security and Privacy*, CINF 454 *Human Aspects of Cybersecurity*, CINF 455 *Prevention and Protection Strategies in Cybersecurity*, CINF 465 *Senior Capstone in Informatics*, CINF 466 *Independent Research*.			
Philip B. Eppard, Full Professor	25%	CINF 100X *Information in the 21st Century*, CINF 200 *Research Methods for Informatics*	Ph.D., Brown University	American Civilization	M.S. in Library and Information Science, Simmons College
Carol Anne Germain, Full Librarian and Associate Professor	25%	CINF 100 *Information in the 21st Century*, CINF 301 *Emerging Trends in Information and*	Ph.D., University at Albany	Informatics	Program Director, Informatics BS program.

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications and licenses and professional experience in field.**
		Technology, INF 499 *Senior Seminar in Informatics*			
Norman Gervais, Professor of Practice	25%	CINF 108 *Programming for Problem Solving*, CINF 201 *Introduction to Web Technologies*, CINF 203 *Introduction to Networks and Systems*	Ph.D., University at Albany	Informatics	
Goodall, Jennifer, Vice Dean - CEHC	12.5%	CINF 499W *Senior Seminar in Informatics*	Ph.D., University at Albany	Informatics	Vice Dean, College of Emergency Preparedness, Homeland Security, and Cybersecurity; Lead the team that created the original Informatics B.S. degree program.
Omer Keskin, Assistant Professor (Fall, 2022)	100%	CINF 124X Computer Security Basics, CINF 201 *Intro. to Web Technologies*, CINF 202 *Intro. To Data and Databases*, CINF 203 *Intro. To Networks and Systems*, CINF 306 *Information Security and Assurance*, CINF 452 *Computer and Network Security*, CINF 453 *Information Security and Privacy*, CINF 454 *Human Aspects of Cybersecurity*,	Ph.D., Old Dominion University; M.S., Univ. at Albany; M.S., Old Dominion University	System Engineering (Ph.D.), Digital Forensics and Cybersecurity (MS), Engineering Management (MS)	Extensive university-level teaching experience, publications, and extramural funding in cybersecurity.

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications and licenses and professional experience in field.**
		CINF 455 *Prevention and Protection Strategies in Cybersecurity*, CINF 465 *Senior Capstone in Informatics*, CINF 466 *Independent Research*.			
Michael Leczinsky, Professor of Practice	25%	CINF 301 *Emerging Trends in Information and Technology*, CINF 467 Technology-based Community Support	M.S., University at Albany	Curriculum Design & Instructional Technology	Holds Graduate Certificate of Online Teaching and Learning, Music Technology, and Production Professional certificate.
Brian Nussbaum, Assistant Professor	25%	CEHC 449 *Cybersecurity: Long Term Planning and Risk Management*, CEHC 469 *Cyber Threats and Intelligence*	Ph.D. University at Albany	Political Science	Former Intelligence Analyst, New York State Government. Former Cyber Analysis Instructor, Argonne National Laboratory.
Unal Tatar, Assistant Professor	100%	CINF 124X *Cybersecurity Basics*, CINF 306: *Information Security and Assurance*, CINF 452 *Computer and Network Security*, CINF 453: *Information Security and Privacy*, CINF 454 *Human Aspects of Cybersecurity*, CINF 455 *Prevention and Protection Strategies for Cybersecurity*	Ph.D., Old Dominion University	Engineering Management and Systems Management	Former head of National Computer Emergency Response Team of Turkey Former Academic Advisor to NATO Center of Excellence-Defense Against Terrorism on cyber issues Member of Multidisciplinary Cyber Terrorism Project Co-PI, grant from the National Security Agency to develop a course on Blockchain and Cybersecurity Co-PI, grant from Office of Naval Research on "Cybersecurity Acquisition Framework Based on Risk Management: Economics Perspective"

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications and licenses and professional experience in field.**
David Turetsky, Professor of Practice	75%	CEHC 410 *Capstone Project in Emergency Preparedness*, *Homeland Security and Cybersecurity*, CEHC 450 *Cybersecurity Policy, Law, and Institutions*, CINF 453 *Information Security and Privacy*	JD, University of Chicago Law School	Law	--Licensed to practice law in NY, NJ and Washington DC. --Experience in senior roles in government, law and business, including: --Co-leader of cybersecurity, privacy and data protection practice for a global law firm --Former Chief of the Public Safety and Homeland Security Bureau at the Federal Communications Commission (FCC) (Briefly, Deputy Chief of the International Bureau of the FCC) -- Former Deputy Assistant Attorney General for Antitrust in the U.S. Department of Justice -- Management Trustee, appointed twice by federal courts to run mobile wireless businesses for 6-month stints until divested to satisfy merger consent decrees --Senior VP for law and regulatory of a telecom services company helped to bring public -- a host of other senior roles in a law firm and professionally, including as a member of the American Bar Association Cybersecurity Legal Task Force; the Co-leader of the Privacy and Security Committee of the ISAO Standards Organization; 13 years as a member of the U.S. State Department Advisory Committee on International Information and Communications Policy, etc.
Udoh, Emmanuel, Visiting Assistant Professor	25%	CINF 108 *Programming for Problem Solving*,	M.S. Indiana University, M.S. CUNY.	Informatics, Computer Science	ABD Univ. at Albany Ph.D. program in Informatics. MIT Certificate in Data Science

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications and licenses and professional experience in field.**
		CINF 201 *Introduction to Web Technologies*, CINF 202 *Introduction to Data and Databases*, CINF 203 *Introduction to Networks and Systems* CINF 452 *Computer and Network Security*			and Big Data Analytics IBM Certificate in Data Science
Benjamin Yankson, Assistant Professor	100%	CINF 124X *Computer Security Basics*, CINF 306: *Information Security and Privacy*, CINF 452 *Computer and Network Security*, CINF 453 *Information Security and Privacy*, CINF 454 *Human Aspects of Cybersecurity*, CINF 455 *Prevention and Protection Strategies for Cybersecurity*, CEHC 445 *Principles and Practices of Cybersecurity*	Ph.D. University of Ontario Institute of Technology	Computer Science	Certified Information Security Professional Training (CISSP), ISC2, 2018 Security+ Certification, CompTIA, 2006 Microsoft Certified Professional (Windows 7, Server 2008), VTC, 2006 Certified in Risk and Information Systems Control (CRISC) Training, ISACA, 2018

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications and licenses and professional experience in field.**
Part 2. Part-Time Faculty					
Part 3. To-Be-Hired Faculty (List as TBH1, TBH2, etc., and provide expected hiring date instead of name.)					