HOSTOS COMMUNITY COLLEGE

Appendix B: Articulation Agreement

THE CITY UNIVERSITY OF NEW YORK ARTICULATION AGREEMENT

A. SENDING AND RECEIVING INSTITUTIONS

Sending Institution:	Hostos Community College (HCC)	Receiving Institution:	New York City College of Technology (City Tech)
Department:	Mathematics and Computer Science	Department:	Computer Systems Technology
Program:	Cybersecurity	Program:	Cybersecurity
Degree:	Associate in Science (A.S.)	Degree:	Bachelor of Science

B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM

- Completion of the A.S. degree in Cybersecurity and a minimum GPA of **2.50**
- Grade of C or better in freshman composition, its equivalent, or a higher-level English course
- Successful completion of a 3-credit college-level Math course

Total transfer credits granted toward the baccalaureate degree: **60**

Total additional credits required at the senior college to complete baccalaureate degree: **60**

Total credits required to complete the baccalaureate degree: **120**

C. COURSE-TO-COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

Community College		**Senior College**		
Course Number & Title	**Credits**	**Course Number & Title**	**Credits**	**Credits Awarded**
General Education Requirements				
English: 6 credits				
ENG 110: Expository Writing	3	ENG 1101- English Composition I	3	
ENG 111: Literature & Composition	3	ENG 1121-English Composition II	3	
Mathematical and Quantitative Reasoning: 3-4credits				
MAT 160 - Precalculus	4	MAT 1375 Precalculus	4	
Life and Physical Sciences: 3-4 credits				
PHY 110-Physics I	4	PHYS 1433-General Physics I: Algebra-Based	4	
Flexible: 18 credits				
HIS 210- United States History: Through the Civil War (USED)	3	HIS 1110 History of the United States to 1877 (USED)	3	
HUM 100- Introduction to Global Humanities (WCGI)	3	World Cultures & Global Issues	3	
CJ 101 Intro to Criminal Justice Administration (IS)	3	HUS 3609 Human Serv. and Crim. Justice Sys.	3	
PSY 101- General Psychology or SOC 101 Introduction to Sociology (IS)	3	Individual & Society (IS)	3	
COM 110 - Fundamentals of Public Speaking (CE)	3	COM 1330-Public Speaking	3	
MAT 210- Calculus I	4	MAT 1475- Calculus I (SW)	4	
			Subtotal	33
Program Core credits				
CST 140 Introduction to Computer Hardware	3	CST 1100 Introduction to Computer Systems (WI) (LA)	3	
CST 160 Introduction to Computer Software and Operating Systems	3	CST 1215 OS Fundamentals	3	
CST 220 Networking Fundamentals and Principles	3	CST 2307 Networking Fundamentals	3	
CST 240 Introduction to Cybersecurity	3	CST 2410 Introduction to Computer Security	3	
CST 250 Linux Administration	3	CST 2415 Sys. Admin. in Linux	3	
CST 260 Cybersecurity Project (liberal arts)	2	CST 2405 (Cybersecurity Major Elective) System Administration	2	
CJ 201 Issues in Law Enforcement	3	CST 1101-Probl. Solv. with Comp. Program (LA)	3	
CSC 205 Discrete Mathematics	4	MAT 2440 Discrete Structures and Algorithms I (3 credits MAT 2440 + 1 credit CST ELEC xxxx: Cybersecurity Major Elective)	4	
CSC 215 Modern Programming	3	CST 1201 Programming Fundamentals	3	
			Subtotal	27
			Total	60

D. SENIOR COLLEGE COURSES REMAINING FOR BACCALAUREATE DEGREE

The courses students will be required to take at NYCCT after completing an A.S. in Cybersecurity in HCC to earn a B.S. in Cybersecurity in NYCCT:

Course Number & Title	Remaining Credits
General Education Requirements (from "College Option")	
Interdisciplinary Course	3
Public Speaking. If already taken Additional Liberal Arts Course I	3
Total College Option	**6**
Remaining Requirements in Major	
Liberal Arts Required Courses	
MAT 1575 Calculus II	4
MAT 2572 Probability and Mathematical Statistics	4
Subtotal	**8**
Cybersecurity Core	
CST XXXX Cybersecurity elective (see table that follows)	4
CST 3507 Advanced Single-LAN Concepts	3
CST 3520 Computer Forensic (WI)	3
CST 3523 Task Auto. In Sys. Administration	3
CST 3610 Networking Security Fundamentals (WI)	3
CST 3616 Cryptographic Technologies	3
CST 4710 Advanced Security Technologies	3
CST 4716 Cloud Security	3
CST 4726 Mobile Device Security and Privacy	3
CST 4816 Cybersecurity and Penetration Testing	3
CST 4916 Capstone Course (WI)	2
	33
Electives to reach 120 credits (verify at least 60 liberal arts credits)	13
College Option and Cybersecurity Major Requirements Total	60

Cybersecurity Major Electives (Students should complete at least 6 credits from Major Electives) – Hostos students under this agreement bring 2 credits	
CST 2403 C++ Programming Part 1	3
CST 2405 #Sys.Ad.min. Windows or CST 2415 # Sys. Admin. Linux	3
CST 3513 00 Programming	3
CST 3607 Interconnectivity	3
CST 4715 Adv. Top. in Sys. Admin	3
CST 3605 Virtualization	3
CST 3650 Data Structure	3
CST 4900 Internship	3
CET 4925 Internet of Things	3
CET 4973 Introduction to AI	3
MAT 2580 Introduction to Linear Algebra	3
MAT 2675 Calculus III	4
MAT 2540 Discrete Struct. And Algorithms II	3
MAT 3672 Probability and Mat. Statistics II	3
MAT 4872 Probability and Mat. Statistics III	4
Subtotal	3
Additional electives to reach 120 credits total and 60 liberal arts electives (as presented here 10 elective credits must be in liberal arts courses	14
Total Credits to be earned at Senior College:	60
Total Credits to be earned at Community College:	60
Total Credits required for **B.S.** degree:	120

Writing Intensive Requirement

Students at New York City College of Technology must complete two courses designated WI for the baccalaureate level, one from liberal arts and one from the major.

DEGREE MAP for the HCC A.S. in Cybersecurity

Year 1: First Semester		Year 2: First Semester	
Course	**Credits**	**Course**	**Credits**
ENG 110 - Expository Writing	3	CSC 215 - Modern Programming	3
MAT 160 - Pre-calculus	4	CJ 201 - Issues in Law Enforcement	3
HIS 210 - History	3	COM I 10 - Fundamentals of Public Speaking	3
PSY 101 - Intro to Psy or SOC 101	3	CST 220- Networking Fundamentals (Network+ Module)	3
CST 140 - Introduction to Computer Hardware (A+ Hardware Module)	3		
Total	**16**	***Total***	**12**
Year 1: Second Semester		**Year 2: Second Semester**	
Course	**Credits**	**Course**	**Credits**
ENG 111 - Literature & Composition	3	PHY 110 - Physics	4
MAT 210- Calculus I	4	HUM 100 - Humanities	3
CSC 205 - Discrete Mathematics	4	CST 240- Intro to Cybersecurity (Security + Module)	3
CJ 101 - Introduction to Criminal Justice Administration	3	CST 250 - System Administrator (UNIX/Linus) (Linux + Module)	3
CST 160 - Introduction to Computer Software and Operating Systems (A+ Software Module)	3	CST 260 - Cybersecurity Project	2
Total	**17**	***Total***	**15**

DEGREE MAP for the remaining courses at City Tech BS in Cybersecurity

Year 3: First Semester		Year 3: Second Semester	
Course	**Credits**	**Course**	**Credits**
CST 3507 - Advanced Single-LAN Concepts Minimum Grade: C	3	CST 3610 - Network Security Fundamentals Minimum Grade: C	3
CST 3520 - Computer Forensics Minimum Grade: C	3	CST 3616 - Cryptographic Technologies Minimum Grade: C	3
CST 3523 - Task Automation in System Administration Minimum Grade: C	3	MAT 2572 - Probability and Mathematical Statistics I	4
MAT 1575 - Calculus II	4	Public Speaking or liberal arts course if already taken (college option)	3
Interdicsciplinary Course	3	Liberal Arts Elective	3
Total	**16**	***Total***	**16**
Year 4: First Semester		**Year 4: Second Semester**	
Course	**Credits**	**Course**	**Credits**
CST 4710 - Advanced Security Technologies Minimum Grade: C	3	CST 4816 - Cybersecurity and Penetration Testing Minimum Grade: C	3
CST 4716 - Cloud Security Minimum Grade: C	3	CST 4916 - Capstone Cybersecurity Course	2

		Minimum Grade: C	
CST 4726 - Mobile Device Security and Privacy Minimum Grade: C	3	Liberal Art electives	10
Cybersecurity elective Minimum Grade: C	4		
Total	**13**	***Total***	**15**

E. ARTICULATION AGREEMENT FOLLOW-UP PROCEDURES

1. Procedures for reviewing, updating, modifying, or terminating agreement:

When either of the degree programs involved in this agreement undergoes a change, the agreement will be reviewed and revised accordingly by representative from each institution's respective departments or programs, selected by their Chairpersons and/or program directors.

2. Procedures for evaluating agreement, i.e., tracking the number of students who transfer under the articulation agreement and their success:

Each year, NYCCT will provide HCC with the following information: a} the number of HCC students who were accepted into the program; b) the number of HCC students who enrolled; and d) the aggregate GPA of these enrolled students at NYCCT.

3. Sending and receiving college procedures for publicizing agreement, e.g., college catalogs, transfer advisor, websites, etc.:

- This articulation agreement will be publicized on the HCC website and on the NYCCT website.
- Transfer advisors at HCC will promote this agreement with eligible students.

Hostos students who plan to transfer into the Cybersecurity degree program at New York City College of Technology are advised to choose the listed of program requirements indicated in this document in order to satisfy the requirements for the A.S. degree in Cybersecurity at Hostos and to ensure that the maximum number of credits are transferred to satisfy the Cybersecurity program requirements at New York City College of Technology. Refer to the college website for a list of the general requirements for the A.S. degree.

Effective Date: Spring 2026