



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: **60-65**

Total credits required to complete the baccalaureate degree: **120-125**

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				
<i>English: 6 credits</i>				
ENG 110: Expository Writing	3	ENG 1101- English Composition I	3	
ENG 111: Literature & Composition	3	ENG 1121-English Composition II	3	
<i>Mathematical and Quantitative Reasoning: 3 credits</i>				
MAT 160 - Precalculus	4	MAT 1375 Precalculus	4	
<i>Life and Physical Sciences: 3 credits</i>				
PHY 110-Physics I	4	PHYS 1433-General Physics I: Algebra-Based	4	
<i>Flexible: 18 credits</i>				
HIS 210 – United States History: Through the Civil War	3	HIS 1110 History of the United States to 1877	3	
HUM 100 – Introduction to Global Humanities	3	World Cultures & Global Issues	3	
CJ 101 Intro to Criminal Justice Administration	3	HUS 3609 Human Serv. and Crim. Justice Sys.	3	
PSY 101 – General Psychology or SOC 101 Introduction to Sociology	3	Individual & Society (IS)	3	
COM 110 - Fundamentals of Public Speaking	3	COM 1330-Public Speaking	3	
MAT 210- Calculus I	4	MAT 1475- Calculus I	4	
Subtotal				33
Program Core credits				
CST 140 Introduction to Computer Hardware	3	CST 1100 Introduction to Computer Systems (WI)	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	2	ELEC 1000: Cybersecurity Major Elective	2	
CJ 201 Issues in Law Enforcement	3	CST 1101-Probl. Solv. with Comp. Program	3	
CSC 205 Discrete Mathematics	4	MAT 2440 Discrete Structures and Algorithms I (3 credits MAT 2440 + 1 credit ELEC 1000: Cybersecurity Mayor 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 A.S. in Cybersecurity in HCC to earn the B.S. in Cybersecurity in NYCCT:

Course Number & Title	Remaining Credits
General Education Requirements (from "College Option")	
Mathematical and Quantitative Reasoning	3
Creative Experience	3
Interdisciplinary Course	3
Additional Liberal Art course I	3
Additional Liberal Art course II	3
MAT 1575 Calculus II	4
MAT 2572 Probability and Mathematical Statistics	4
Total Gen Ed	23
Remaining Requirements in Major	
Cybersecurity Major Requirements	
CST 1100 Introduction to Computer Systems	
CST 1101 Probl. Solv. with Comp. Programming	
CST 1201 Programming Fundamentals	
CST 1215 OS Fundamentals	
CST 2307 Networking Fundamentals	
CST 2410 Intro. To Computer Security	
CST 2405 Sys. Admin. Windows or CST 2415 Sys. Admin. Linux	
Subtotal	
Cybersecurity Core	
CST 3507 Advanced Single-LAN Concepts	3
CST 3520 Computer Forensic	3
CST 3523 Task Auto. In Sys. Administration	3
CST 3610 Networking Security Fundamentals	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
Subtotal	27
CST 4916 Capstone Course	2
Subtotal	2
Cybersecurity Major Requirements Total	29

Cybersecurity Major Electives (Student should complete at least 9 credits from Major Electives) – Hostos students bring 2 credits with them	
ELEC 1000 CST 260 Cybersecurity Project 2 credits + 1 credit leftover from CSC 205 (4cr. to MAT 2440 (3cr)	
CST 2403 C++ Programming Part 1	3
CST 2405 # Sys. Admin. Windows or CST 2415 # Sys. Admin. Linux	3
CST 3513 OO 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
	4
Subtotal	6
Cybersecurity Major Electives Total	7
Total Credits to be earned at Senior College:	6
Total Credits to be earned at Community College:	60
Total Credits required for B.A. degree:	120

⁴ If not covered by HCC Cybersecurity program elective

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: Second Semester	
Course	Credits	Course	Credits
ENG 110 – Expository Writing	4	CSC 215 – Modern Programming	3
MAT 160 – Pre-calculus	4	CJ 201 – Issues in Law Enforcement	3
HIS 210 – History	3	COM 101 – 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	17	Total	12
Year 1: Second Semester		Year 2: Spring	
Course	Credits	Course	Credits
ENG 111 – Literature & Composition	3	PHY 110 – Physics	3
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	14

DEGREE MAP for the City Tech BS in Cybersecurity

Year 1: First Semester		Year 2: Second Semester	
Course	Credits	Course	Credits
ENG 1101 – English Composition I	4	CST 1201 – Programming Fundamentals	3
MAT 1375 – Precalculus	4	CST 1101 – Problem Solv. with Comp. Program	3
HIS 1110 – History of US to 1877	3	COM 1330 – Public Speaking	3
Individual and Society	3	CST 2307 – Networking Fundamentals	3
CST 1101 – Introduction to Computer Systems	3		
Total	17	Total	12
Year 1: Second Semester		Year 2: Spring	
Course	Credits	Course	Credits
ENG 1121 – English composition II	3	PHYS 1433 – General Physics 1	3
MAT 1475 - Calculus I	4	World Culture and Global Issue	3
MAT 2440 – Discrete Structure and Algebra (3 cr.) ELEC 1000 – Major Elective (1 cr.)	4	CST 2410 – Introduction to Computer Security	3
HUS 3609 – Human Serv. and Crim. Justice System	3	CST 2415 – System admin. In Linux	3
CST 1215 – OS Fundamentals	3	ELEC 1000 – Major Elective	2
Total	17	Total	14

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

