



## ARTICULATION AGREEMENT

**A. SENDING AND RECEIVING INSTITUTIONS**

*Sending College:* Hostos Community College

*Program:* Computer Science

*Degree:* Associate of Science (A.S.)

*Receiving College:* John Jay College of Criminal Justice

*Department:* Mathematics and Computer Science

*Program:* Computer Science and Information Security

*Degree:* Bachelor of Science (B.S.)

**B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM**

- Successful completion of a freshman composition course, its equivalent, or a higher-level English course.
- Successful completion of a 3-credit college-level math course
- A.S. Degree in Computer Science and a minimum GPA of 2.0

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 for the John Jay baccalaureate degree: 120

**C. SUMMARY OF TRANSFER CREDITS FROM HCC AND CREDITS TO BE COMPLETED AT JOHN JAY**

Computer Science and Information Security	Total Credits for the Baccalaureate	Transfer Credits from HCC	Credits to be completed at John Jay
General Education Requirements	39	33	6
Major Requirements	57-60	21-24	36
Electives	18-21	3-6	15-18
<b>Total</b>	<b>120</b>	<b>60</b>	<b>60</b>

**D. TRANSFER CREDITS AWARDED**

Hostos Community College (HCC) graduates who complete the Associate in Science (A.S.) degree in Computer Science and Information Security will receive 60 credits toward the Bachelor of Science (B.S) degree in Computer Science and Information Security at John Jay College of Criminal Justice (John Jay) as indicated below.

**COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED**

Sending College Hostos Community College		Receiving College Equivalent John Jay College Credit Granted		
<b>General Education Courses</b>				
<b>REQUIRED CORE</b>				
Course Title	Credits	JJC Course Title	Credits	Transfer Credits Awarded
ENG 110 Expository Writing	3	ENG 101 Composition I	3	3
ENG 111 Literature & Composition	3	ENG 201 Composition II	3	3
MAT 160 Precalculus	4	MAT 141 Pre-Calculus	3	3+ 1 bl
Life and Physical Science (CHE/BIO/PHY 210)	4	Life and Physical Science (BIO/CHE 103/PHY 101)	4	4
<b>FLEXIBLE CORE</b>				
Creative Expression	3	Creative Expression	3	3
Scientific World (CHE/BIO/PHY 220)	4	Scientific World (BIO/CHE 104/PHY 102)	4-5	4
U.S. Experience in its Diversity	3	U.S. Experience in its Diversity	3	3
Individual and Society	3	Individual and Society	3	3
World Cultures and Global Issues	3	World Cultures and Global Issues	3	3
Additional Flexible Core Course	3	Flexible Core Course	3	3
<b>PROGRAM REQUIREMENTS</b>				
<b>Mathematics Courses (choose 2: 8 credits)</b>				
Math 210 Calculus I	4	MAT 151 Calculus I	4	4
Math 217 Linear Algebra	4	MAT 310 Linear Algebra	3	3 +1bl
Math 220 Calculus II	4	MAT 152 Calculus II	4	4
<b>Computer Science Courses (13-16 credits)</b>				
CSC 205 Discrete Mathematics	4	MAT 204 Discrete Mathematics	3	3 + 1bl
CSC 215 Modern Programming	3	CSCI 271 Intro to Computing & Programming	3	3
CSC 275 Object Oriented Programming	3	CSCI 272 Object Oriented Programming	3	3
CSC 300 Data Structures	3	CSCI 373 Advanced Data Structures	3	3
CSC 375 Computer Networking	3	CSCI 379 Computer Networking	3	3
CSC 395 Web and Mobile Application Development	3	CSCI blanket elective	3	3
MAT 310 Calculus III (can be substituted for CSC 395)	4	MAT 153 Calculus III	4	4
<b>General Electives</b>				
Elective	3-6	Electives	3-6	3-6
				TOTAL = 60

E. **REMAINING CREDITS REQUIRED FOR THE BACCALAUREATE DEGREE**

Course	Course Title	Credits
<b>General Education Courses</b>		
College Option	300 Justice Core (Transfer Seminar)	3
College Option	Learning from the Past or Communications	3
<i>Subtotal</i>		6
<b>Major Courses</b>		
Part One: Core Computer Science Courses		
CSCI 274	Computer Architecture	3
CSCI 360	Cryptography and Cryptanalysis	3
CSCI 374	Programming Languages	3
CSCI 375	Operating Systems	3
CSCI 377	Computer Algorithms	3
CSCI 411	Computer Security and Forensics	3
CSCI 412	Network Security and Forensics	3
<i>Subtotal</i>		21
Part Two: Required Math Courses		
MAT 301	Probability and Mathematical Statistics I	3
<i>Subtotal</i>		3
Part Three: Electives		
Category A. Computer Science Electives (choose one)		
CSCI 275	Linux System Administration & Security	3
CSCI 362	Databases & Data Mining	3
CSCI 376	Artificial Intelligence	3
CSCI 380	Selected Topics in Computer Science	3
CSCI 404	Internship in Management Information Systems	3
CSCI 421	Quantum Computing	3
<i>Subtotal</i>		3
Part Four: Ethics		
PHI 216	Ethics and Information Technology	3
<i>Subtotal</i>		3
Part Five: Capstone Courses		
CSCI 400	Capstone Experience in Digital Forensics/Cybersecurity I	3
CSCI 401	Capstone Experience in Digital Forensics/Cybersecurity II	3
<i>Subtotal</i>		6
Major Requirements Subtotal		36
General Education Subtotal		6
General Electives (Consult with an Advisor)		18
Total Transfer Credits Applied to Program		60
Total Credits Required after Transfer		60
<b>Total Credits Required for Degree</b>		<b>120</b>

F. **ARTICULATION AGREEMENT FOLLOW-UP PROCEDURE**

*Procedures for reviewing, updating, modifying or terminating agreement:*

When the Computer Science and Information Security Associate of Science program or general education requirements at Hostos Community College or the Computer Science and Information Security Bachelor of Science program or general education requirements at John Jay College of Criminal Justice undergo any changes relevant to this agreement, this articulation agreement will be reviewed and revised as necessary by one or two faculty members of each institution's department or program.

At the end of each academic year, the various representatives of each institution as indicated above will review the performance of transfer students to determine if adjustment to, or termination of the articulation agreement, is needed.

This articulation agreement will be publicized on both the Hostos Community College and John Jay College websites. Transfer advisors at HCC will promote this agreement with eligible students. Staff from JJC's transfer programs office will arrange an annual information session with the HCC campus for interested students.

Effective Date: Fall 2021