



## ARTICULATION AGREEMENT FORM

### A. SENDING AND RECEIVING INSTITUTIONS

**Sending College:** Borough of Manhattan Community College (BMCC)

Department: Computer Information Systems

Program: Computer Network Technology

Degree: A.A.S.

**Receiving College:** CUNY School of Professional Studies (CUNY SPS)

Program: Information Systems

Degree: B.S.

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### B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM

Graduates of the BMCC associate's degree program in Computer Network Technology will qualify for admission into the CUNY SPS Bachelor of Science degree in Information Systems if they have maintained a minimum overall GPA of 2.5 and are in good standing at BMCC.

Applicants will follow the standard admissions process, which includes completing a transfer application and a personal essay that will help CUNY SPS understand the student's educational goals and readiness for baccalaureate study.

BMCC Computer Network Technology graduates will be awarded 60 transfer credits toward the bachelor's degree based on the Computer Network Technology curriculum effective fall 2023. Should that curriculum change, it will be necessary to reevaluate the transfer credit process. Upon matriculation into the B.S. program in Information Systems, students will be required to fulfill general education, elective and major requirements specified on the following pages.

**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 B.S. in Information Systems: 120**

### C. Course Equivalences and / Transfer Credit Awarded

BMCC graduates who complete the A.A.S. in Computer Network Technology will receive 60 credits toward the B.S. in Information Systems at CUNY SPS.

Transferred credits will be applied to the Baccalaureate degree as professional credits, course specific transfer credits and electives. Students will meet with an SPS advisor who will review their transcripts to ensure appropriate placement within the program. Taking recommended flexible core courses will assure that students need only 60 additional credits for their bachelor's degree at SPS.

		BMCC	SPS	Total
<b>GENERAL EDUCATION</b>	<b>Course Title</b>	<b>21</b>	<b>15</b>	<b>36</b>
<b>Required Core</b>		<b>12</b>	<b>0</b>	<b>12</b>
English Composition	ENG 101 - English Composition	3		3
	ENG 201 - Introduction to Literature	3		3
Mathematical and Quantitative Reasoning	MAT 150 or MAT 200 or MAT 206 or MAT 301	3*		3
Life and Physical Sciences	AST 110 or PHY 110	3*		3
<b>Flexible Core</b>		<b>9</b>	<b>9</b>	<b>18</b>
World Cultures and Global Issues	TBD by Student			3
U.S. Experience in Its Diversity	TBD by Student			3
Creative Expression	TBD by Student			3
Individual and Society	TBD by Student			3
Scientific World	CSC 101 - Principles in Information Technology and Computation	3		3
Three credits in any of the above categories	CSC 110 or CSC 111 (Scientific World)	3*		3
<b>College Option – complete two of the following courses: COM 110, COM 210, ENG 350, PLA 300, QUAN 201</b>			<b>6</b>	<b>6</b>
<b>A.A.S. in Computer Network Technology</b>	<b>Transfers to SPS as:</b>	<b>36</b>	<b>0</b>	<b>36</b>
ACC 122 - Accounting Principles I	BUS 305 - Accounting Fundamentals	3		3
BUS 104 - Introduction to Business	BUS 200 - Introduction to Business	3		3
CIS 165 - Introduction to Operating Systems	Free Elective	3		3
CIS 255 - Computer Software	IS 205 - IT Infrastructure and Support	3		3
CIS 345 - Telecommunication Networks I	IS 260 - Networks and Business Data Communication	3		3
CIS 440 - UNIX	IS 320 - Systems Analysis and Design	3		3
CIS 445 - Telecommunications Networks II/LAN	Free Elective	3		3
CIS 455 - Network Security	IS 250 - Computer and Network Security	3		3
Program Electives (GIS 101 and CIS 362 recommended)		6		6
Electives (ACC, BUS, CIS (except CIS 101), GIS, or MMP courses) (CIS 395 and CSC 210 recommended for Technical Specialization; BUS 311 recommended for Management Specialization)		6		6
<b>B.S. in Information Systems</b>				
<b>Required Courses</b>	<b>BMCC Equivalent</b>	<b>0</b>	<b>24</b>	<b>24</b>

IS 200 - Foundations of Information Systems			3	3
IS 205 - IT Infrastructure and Support	CIS 255 - Computer Software			
IS 250 - Computer and Network Security	CIS 455 - Network Security			
IS 260 - Networks and Business Data Communication	CIS 345 - Telecommunication Networks I			
IS 300 - Enterprise Architectures and Applications			3	3
IS 320 - Systems Analysis and Design			3	3
IS 499 - Information Systems Capstone			3	3
PROM 210 - Project Management			3	3
<b>Choose 9 credits from the following:</b>		<b>0-3</b>	<b>6-9</b>	<b>9</b>
IS 305 - Introduction to Cloud Computing	CIS 362 - Cloud Computing (if taken)			
IS 324 - Foundations and Applications of Blockchain				
IS 326 - E-Commerce for Information Systems				
IS 350 - I S Strategy, Management, and Acquisition				
IS 355 - Strategic Perspectives in IT				
IS 374 - Business Processes and Workflow Analysis				
<b>Specialization Courses – Students must choose from Management (M) or Technical (T) and complete all requirements for their chosen specialization</b>		<b>3</b>	<b>12</b>	<b>15</b>
BUS 305 - Accounting Fundamentals (M) or IS 210 - Software Application Programming I (T)	ACC 122 - Accounting Principles I (M) /CSC 110 or CSC 111 (T)			
BUS 306 - Managerial Accounting (M) or IS 211 - Software Application Programming II (T)	CSC 210 - Computer Programming II (T) (if taken)**			
BUS 315 - Principles of Marketing (M) or IS 361 - Database Architecture and Programming (T)				
BUS 321 - Human Resource Management (M) or IS 362 - Data Acquisition and Management (T)	BUS 311 - Human Resources Management (M) (if taken)/CIS 395 - Database Systems I (T) (if taken)**			
IS 330 - Logistics and Supply Chain Management (M) or IS 380 - Geographic Information Systems (T)	GIS 101 - Digital Earth (T) (if taken)**			
<b>Free Electives – 36 credits</b>		<b>15-27</b>	<b>9-21</b>	<b>36</b>
<b>TOTAL CREDITS</b>		<b>60</b>	<b>60</b>	<b>120</b>

\*Three Pathways courses at BMCC (MQR requirement, LPS requirement, CSC 110 or 111) are 4 credits; as such, one credit from each course will be applied to Free Electives upon transfer.

\*\*If recommended Program Courses and Elective courses are not taken at BMCC, students will be required to complete up to 12 credits of Specialization courses at CUNY SPS.

**D. SUMMARY OF TRANSFER CREDITS FROM BMCC AND CREDITS TO BE COMPLETED AT SPS**

	<b>Requirement</b>	<b>BMCC Transfer</b>	<b>Complete at SPS</b>
<b>General Education</b>	<b>36</b>	<b>21</b>	<b>15</b>
Required Core	12	12	0
Flexible Core	18	9	9
College Option	6	0	6
<b>Major</b>	<b>48</b>	<b>12-24</b>	<b>24-36</b>
<b>Free Electives</b>	<b>36</b>	<b>15-27</b>	<b>9-21</b>
<b>Total</b>	<b>120</b>	<b>60</b>	<b>60</b>

**E. COURSE EQUIVALENCIES**

<b>BMCC</b>	<b>SPS</b>
ACC 122 - Accounting Principles I (Core)	BUS 305 - Accounting Fundamentals (M or Free Elective)
BUS 104 - Introduction to Business (Core)	BUS 200 - Introduction to Business (Free Elective)
BUS 311 - Human Resources Management (Elective)	BUS 321 - Human Resource Management (M)
CIS 255 - Computer Software (Core)	IS 205 - IT Infrastructure and Support (Core)
CIS 345 - Telecommunication Networks I (Core)	IS 260 - Networks and Business Data Communication (Core)
CIS 362 - Cloud Computing (Program Elective)	IS 305 - Introduction to Cloud Computing (Core)
CIS 395 - Database Systems I (Elective)	IS 362 - Data Acquisition and Management (T)
CIS 440 - UNIX (Core)	IS 320 - Systems Analysis and Design (Core)
CIS 455 - Network Security (Core)	IS 250 - Computer and Network Security (Core)
CSC 110 - Computer Programming I (Scientific World)	IS 210 - Software Application Programming I (T)
CSC 210 - Computer Programming II (Elective)	IS 211 - Software Application Programming II (T)
GIS 101 - Digital Earth (Program Elective)	IS 380 - Geographic Information Systems (T)

## **G. ARTICULATION AGREEMENT FOLLOW UP PROCEDURES**

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

The Academic Director and Department Chair from both programs will review the agreement annually. They will be expected to review student retention, progress to graduation including transitions between prerequisite and follow-on courses, degree completion and GPA. Modification or termination of this agreement requires the approval of both Chief Academic Officers of both institutions.

Should the agreement be modified or terminated, CUNY SPS shall honor the terms granted to students who have already transferred into the B.S. in Information Systems.

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

The CUNY Institutional Research Database will be used to track all transfer students, including their performance (credit accumulation and GPA) and persistence (retention and graduation).

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

Both CUNY SPS and BMCC value this agreement and see it as a “win” for our students. Both schools will promote the agreement in their respective publications (i.e. annual bulletins, course catalogs, websites, program marketing materials, etc.). Transfer advisors at BMCC will promote this agreement with eligible students.

**Effective Date:** Spring 2024