

## ARTICULATION AGREEMENT

### A. SENDING AND RECEIVING INSTITUTIONS

Sending College: Kingsborough Community College (KBCC)  
Department: Department of Mathematics & Computer Science  
Program: Computer Information Systems  
Degree: Associate in Applied Science (A.A.S.)

Receiving College: New York City College of Technology (NYCCT)  
Department: Computer Systems Technology  
Program: Computer Systems  
Degree: Bachelor of Technology (BTech)

**Effective Date:** May 12, 2015

### B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM

- The AAS degree and a minimum GPA of 2.00
- Grade of C or higher in credit-bearing major courses
- Grade of C or higher in freshman composition, its equivalent, or a higher level English course

Students who wish to transfer but do not meet all of the above requirements or are unable to enroll within two years after graduation will receive admission consideration under our standard transfer credit policies.

Total transfer credits granted toward the BTech: 60

Total additional credits required at NYCCT to complete BTech degree: 60

Total credits required for the BTech degree in Computer Systems: 120

**C. REQUIREMENTS OF AAS DEGREE CREDITS AWARDED**

<b>Common Core Requirements</b>	
<b>Required Common Core</b>	
ENG1200 English Composition I	3
ENG2400 Introduction to Literature	3
MAT1400 or BA/MAT2200	4
Life and Physical Sciences	3
<b>Total required Common Core</b>	<b>13</b>
<b>Flexible Core</b>	
Nine (9) credits with one course (3) from three groups A-E. Each course must be in a different discipline. A. World Cultures and Global Issues B. U.S. Experience in its Diversity C. Creative Expression D. Individual and Society E. Scientific World	9
<b>Total Flexible Core</b>	<b>9</b>
<b>Curriculum Requirements</b>	
CP2100 C Programming I	4
CP2200 C Programming II	4
CIS1200 Introduction to Operating Systems	3
CIS1500 Applied Computer Architecture	3
CIS3100 Introduction to Database	3
ACC1100 or BA1100 or BA1200	3-4
HE1400	1
Choose 3 of the following: CP6200 JAVA Programming 2 CP7100 Programming in UNIX/LINUX CIS2200 HTML Authoring and Javascript CIS4500 Network Server Administration CIS3200 Advanced database programming	12-13
Elective (0-1 to meet required total of 60 credits)	3-4
<b>Total Program Credits</b>	<b>60</b>

**D. SENIOR COLLEGE UPPER DIVISION COURSE REMAINING FOR  
BACCALAUREATE DEGREE**  
Courses students will be required to take at NYCCT after completing AAS in  
Computer Information Systems:

<b>Computer Systems program-specific Degree Requirement and Electives</b>	
<b>Curriculum Requirements</b>	
CST4800 Project Management	3
CST4900 Internship or CST4905	3
<b>Complete One of Following Four Tracks:</b>	
<b>Database</b>	
CST3504 Database Design	3
CST2406 or CST3606	3
CST3604 Quality Database Implementation	3
CST3613 Application Development with Databases	3
CST4704 Data Warehousing	3
CST4714 Database Administration	3
CST4724 Data On The Web	3
Two Major Electives**	6
<b>Network and Security</b>	
CST2405 or CST2415 * System Administration	3
CST3507 Advanced Single-LAN Concepts	3
CST3607 Interconnectivity	3
CST3610 Network Security Fundamentals	3
CST4707 The LAN-Internet Connection	3
CST4710 Advanced Security Technologies	3
CST4715 Advanced Topics in System Administration	3
CST3523 Task Automation in System Administration	3
One Major Elective**	3
<b>IT Operation</b>	
CST2405 or CST2415 *	3
CST3507 Advanced Single-LAN Concepts	3
CST3610 Network Security Fundamentals	3
CST3605 Virtualization	3
CST3615 Enterprise Applications	3
CST4700 IT Service Management	3
CST4714 Database administration	3
CST4709 Installing and Maintaining Web Servers	3
One Elective**	3
<b>Software Development</b>	
CST3513 Object-Oriented Programming	3
CST3519 Advanced Client Technology	3
CST3613 Application Development with Databases	3
CST3606 Object-Oriented Systems Analysis and Design	3

CST4708 Software Development and .NET Framework	3
*CST2301 Multimedia and Mobile Device Programming	3
CST4713 Dynamic Web Development: Servlets and JSP	3
Two Electives**	6
<b>Total Major Requirements:</b>	<b>33</b>
<b>Additional Required Credits</b>	
ENG3773	3
BUS3525	3
Interdisciplinary	3
PSY2404	3
MATH2440 Discrete Structure I	3
MATH2540 Discrete Structure II	3
Flexible Core	9
<b>Total Additional Requirements</b>	<b>27</b>
<b>Total</b>	<b>60</b>

Total degree credits to be taken at NYCCT

60

Total Credits for Degree:

120

\*If taken in AAS program then select a BTech major elective

\*\*BTech major elective may be chosen from CST35XX, CST36XX, CST47XX

This agreement is restricted to students enrolled in Computer Network Technology program at KBCC which lead to an Associate in Applied Sciences Degree.

Acceptance into this program will be under the requirements in effect at the time of admission and may be subject to such changes as shall be determined by City Tech's academic policies and curricula. To earn a baccalaureate degree, admitted students must earn a minimum of 60 credits which 34 must be taken in residence. Certification of graduation is assured upon completion of a minimum of 60 credits with a cumulative index of 2.0. This 2.0 index is also required in the major, the minor and/or interdisciplinary program.

City Tech agrees to accept the following KBCC courses as the equivalent to NYCCT courses offered in the AAS degree in Computer Information Systems:

To satisfy the B.Tech degree requirements in Computer Systems at NYCCT 33 credits in one of the four tracks must be completed. In addition to satisfy the B.Tech degree requirements in Computer Systems at NYCCT the 43 credit distribution in the Liberal Arts & Sciences Baccalaureate Core must be fulfilled. Up to 29 credits of these courses satisfying the Liberal Arts & Sciences Baccalaureate Core may be included in the courses earned at KBCC and transferred to NYCCT. KBCC students should take the following Liberal Arts courses. If not taken at KBCC, these courses would then be taken at NYCCT.

<b>Kingsborough</b>	<b>Credits</b>	<b>Corresponding City Tech Course</b>
ENG1200	3	ENG1101
ENG2400	3	ENG1121
MAT1400	4	MAT1375
Speech ?	3	COM1330 or COM1335 or COM1340
Life/Physical Sciences	4	Life/Physical Sciences
PSY1101 form the Flexible Core/Individual and Society	3	PSY1101
Flexible Core (Any but Individual and Society)	3	Flexible Core (Any but Individual and Society)
<b>Total Credits</b>	<b>23</b>	

<b>City Tech Courses: Computer Information Systems</b>	<b>Kingsborough Course: Computer Information Systems</b>
CST1100	CIS3100
CST1101	CP500
CST1215	CIS1200
CST1201	CP2100
CST1204	CIS3200
CST2307	CIS4500
CST2309	CIS2200
CST2400	CIS1500
CST2410	
CST2801	
CST2301	CP2200
CST2409	
CST2406	
CST2405	
CST2415	CP7100
CST2900	

#### **E. ARTICULATION AGREEMENT FOLLOW-UP PROCEDURE**

In order to facilitate the efficient transition between our institutions, interested KBCC students are invited to utilize the pre-transfer advisement services of City Tech. Such services may be performed at NYCCT, or, by pre-arrangement, on-site at KBCC. Successful graduates are also assured of availability to all ancillary services at NYCCT.

Both parties agree to notify each other of any changes in their respective programs. Such changes will commence discussions to as to how best to amend this agreement.

<b>Kingsborough</b>	<b>Credits</b>	<b>Corresponding City Tech Course</b>
ENG1200	3	ENG1101
ENG2400	3	ENG1121
MAT1400	4	MAT1375
SPE2100 or SPE2500 or SPE2600	3	COM1330 or COM1335 or COM1340
Life/Physical Sciences	4	Life/Physical Sciences
PSY1101 form the Flexible Core/Individual and Society	3	PSY1101
Flexible Core (Any but Individual and Society)	3	Flexible Core (Any but Individual and Society)
<b>Total Credits</b>	<b>23</b>	

<b>City Tech Courses: Computer Information Systems</b>	<b>Kingsborough Course: Computer Information Systems</b>
CST1100	CIS3100
CST1101	CP500
CST1215	CIS1200
CST1201	CP2100
CST1204	CIS3200
CST2307	CIS4500
CST2309	CIS2200
CST2400	CIS1500
CST2410	
CST2801	
CST2301	CP2200
CST2409	
CST2406	
CST2405	
CST2415	CP7100
CST2900	

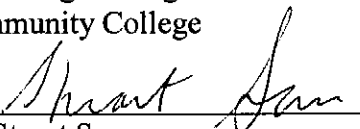
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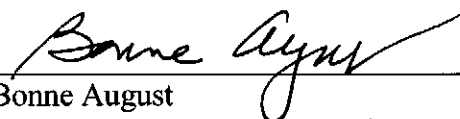
All the preceding agreements and commitments are herein certified as binding upon both KBCC and NYCCT until declared terminated by mutual consent.

FOR Kingsborough  
Community College

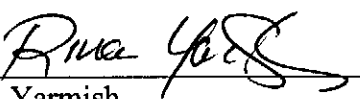


Dr. Stuart Suss  
Provost & Senior Vice President  
Academic Affairs

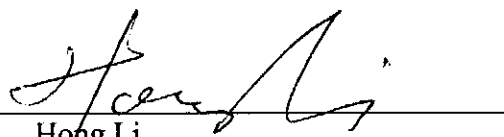
FOR New York City College of Technology



Bonne August  
Provost and Vice President of  
Academic Affairs



Rina Yarmish  
Chairperson, Mathematics and Computer  
Science Department



Hong Li  
Chairperson, Computer Systems  
Technology Department