

**THE CITY UNIVERSITY OF NEW YORK**

**ARTICULATION AGREEMENT**

**between**

**LAGUARDIA COMMUNITY COLLEGE  
PROGRAM IN COMPUTER INFORMATION SYSTEMS**

**and**

**NEW YORK CITY COLLEGE OF TECHNOLOGY  
BACHELOR OF TECHNOLOGY IN COMPUTER SYSTEMS**

**A. SENDING AND RECEIVING INSTITUTIONS**

**Sending Institution:** LaGuardia Community College  
**Program:** Computer Science  
**Degree:** Associate of Applied Science (A.A.S)

**Receiving Institution:** New York City College of Technology  
**Department:** Computer Systems Technology  
**Program:** Computer Systems  
**Degree:** Bachelor of Technology (B. Tech)

**B. REQUIREMENTS FOR SENIOR COLLEGE PROGRAM**

1. Requirement for students wishing to transfer to NYC College of Technology's Bachelor of Technology degree in Computer Systems:
  - a. Associate Degree in Computer Science
  - b. Fulfillment of all Lower Division General Education requirements for the New York City College of Technology Baccalaureate in Computer Systems.
  - c. Fulfillment of New York State Liberal Arts requirements and all Upper Division General Education requirements
  - d. GPA of 2.0 or above
2. C or better in all required computer courses related to the degrees stated in Computer Science
3. If a grade less than a C is ascertained in the course(s) which are equivalent to the required prerequisite courses for the BTech track of choice, the student is required to repeat the required prerequisite course(s) at Citytech and to establish a grade of C or better.
4. Total transfer credits granted toward the baccalaureate degree: 60 credits
5. Total additional credits required at the senior college to complete baccalaureate degree: 60-64 credits.
6. 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 NYC College of Technology'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. In addition, a C or better in all required computer courses related to the degrees stated in Computer Science

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

LaGuardia Community College Computer Science		NYC College of Technology		
Course Number & Title	Credits	Course Number & Title	Credits	Credits Awarded
<b>PATHWAYS COMMON CORE: 31 Credits</b>				
<b>A. REQUIRED CORE:</b>	<b>13</b>	<b>A. REQUIRED CORE</b>	13	<b>13</b>
<b>B. FLEXIBLE CORE:</b>	<b>18</b>	<b>B. FLEXIBLE CORE</b>	18	<b>18</b>
<b>Subtotal</b>	<b>31</b>	<b>Subtotal</b>	31	<b>31</b>
<b>PROGRAM CORE: 29 Credits</b>				
<b>Math, Engineering and Computer Science</b>				
<b>ECF090</b> First Year Seminar for Engineering and Computer Science	<b>0</b>			
<b>MAT231</b> Introduction to Discrete Math	<b>3</b>	<b>MAT 2440</b> Discrete Structure and Algorithms 1	3	<b>3</b>
<b>HUW166</b> Introduction to Web Development	<b>3</b>	<b>CST2309</b> Web Programming I	3	<b>3</b>
<b>MAC101</b> Intro to Computer Science	<b>3</b>	<b>CST1100</b> Introduction to Computer Systems	3	<b>3</b>
<b>MAC125</b> Advanced C/C++ Programming	<b>3</b>	<b>CST1201</b> Programming Fundamentals	3	<b>3</b>
<b>MAC190</b> Object-Oriented Programming	<b>3</b>	<b>CST2301</b> Multimedia and Mobile Device Programming	3	<b>3</b>
<b>MAC281</b> Discrete Structures	<b>3</b>	<b>MAT 2540</b> Discrete Structures and Algorithms 2	3	<b>3</b>
<b>MAC283</b> Computer Org & Assembly Lang	<b>3</b>	<b>CST1215</b> Operating Systems Fundamentals		<b>3</b>
<b>MAC286</b> Data Structures	<b>3</b>	<b>Advance Standing</b>		<b>3</b>
<b>MAC250</b> Database Concepts and Programming	<b>3</b>	<b>CST1204</b> Database Systems Fundamentals	3	<b>3</b>
<b>Unrestricted Elective: 2 Credits</b>	<b>2</b>	<b>Advance Standing</b>		<b>2</b>
<b>Subtotal</b>	<b>29</b>	<b>Subtotal</b>	<b>29</b>	
<b>Total</b>	<b>60</b>	<b>Total</b>	<b>60</b>	

**D. SENIOR COLLEGE COURSES REMAINING FOR BACCALAUREATE DEGREE**

Course Number & Title	Credits
<b>General Education Requirements (College Option)</b>	
COM 1330 (Effective Speaking, COM 1335 (Group Communication), or COM 1340 (Oral Interpretation of Literature)	3
One interdisciplinary Liberal Arts and Science course	3
<b>Gen Ed (College Option) at NYC College of Technology</b>	<b>6</b>
<b>Remaining Requirements in Major</b>	
<i>Prerequisites and Program Requirements</i>	
PSY 1101 Introduction to Psychology( <i>If not taken at LaGuardia</i> )	0-3
PSY 2404 Personnel and Organizational Psychology	3
CST 2410 Introduction to Computer Security	3
CST2406 Introduction to Systems Analysis and Design	3
BUS 3525 Strategic Management	3
ENG 2575 Technical Writing	3
ACC1101 Principles of Accounting	4
BUS2425 Business Management	3
<b>Subtotal</b>	<b>22-25</b>

Computer Systems program-specific Degree Requirement and Electives	
Curriculum Requirements	
CST4800 Project Management	3
CST4900 Internship or CST4905	3
Complete One of Following Four Tracks:	
Database	
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
Network and Security	
CS2405 or CST2415 System Administration *(Students who have successfully completed the equivalent courses to CST2405 AND CST2415 at LaGuardia CC are required to choose a Bachelor Level elective (CST35xx, CST36xx, CST47xx) as long as this Bachelor Level elective is not required for the track of choice).	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
IT Operation	
CS2405 or CST2415 System Administration *(Students who have successfully completed the equivalent courses to CST2405 AND CST2415 at LaGuardia CC are required to choose a Bachelor Level elective (CST35xx, CST36xx, CST47xx) as long as this Bachelor Level elective is not required for the track of choice).	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 Major Elective	3
Software Development	
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 Major Electives	6
<b>Total Major Requirements:</b>	<b>33</b>

<b>Subtotal</b>	<b>33</b>
<i>*Major Electives</i>	
CST 3520 Computer Forensics	
CST 4701 Game Programming	
CST 4706 Software Development Methodologies	
CST courses beginning with 35, 36, or 47	

NYC Tech General Education Requirements	6
Remaining Core Requirements in Major Concentration/Track	22-25 33
<b>Total Credits earned at LaGuardia CC:</b>	<b>60</b>
<b>Total Credits to be earned at NYC College of Technology:</b>	<b>61-64</b>
<b>Total Credits required for B.Tech. degree:</b>	<b>121-124</b>

## E. ARTICULATION AGREEMENT FOLLOW-UP PROCEDURES

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

LaGuardia Community College faculty and NYC College of Technology faculty will review and analyze the strength of the curriculum and the success of students on an annual basis as part of their annual assessment activities. Modifications will be made as required.

When either of the programs undergoes changes, this articulation agreement will be reviewed and revised as necessary by appropriate faculty from each institution.

### 2. Procedures for evaluating the 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 performance (in terms of credit accumulation and GPA) and persistence (in terms of retention and graduation) of all LaGuardia Community College students who transfer to CUNY senior colleges.

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

LaGuardia Community College and NYC College of Technology will collaborate in publicizing this agreement on their websites and in their catalogs. They will share brochures and other marketing materials including web-based promotions. Transfer advisors will be made aware of this agreement and will have available all necessary materials to publicize the agreement to the students with whom they work.

## F. ADDITIONAL INFORMATION

**Effective date:** August, 2017

FOR LAGUARDIA COMMUNITY COLLEGE:

FOR NEW YORK CITY COLLEGE  
OF TECHNOLOGY

\_\_\_\_\_  
Dr. Paul Arcario,  
Provost and Senior Vice President for  
Academic Affairs

Date: \_\_\_\_\_

\_\_\_\_\_  
Dr. Bonne August  
Provost and Vice President for  
Academic Affairs

Date: \_\_\_\_\_

\_\_\_\_\_  
Dr. Abderrazak Belkharraz,  
Chairperson Department of Mathematics,  
Engineering and Computer Science

Date: \_\_\_\_\_

\_\_\_\_\_  
Dr. Hong Li  
Chairperson, Department of Computer  
Systems Technology

Date: \_\_\_\_\_