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

Department: Mathematics, Chairperson, Department of Computer Engineering and Computer Science

Program: Computer Science

Degree: Associate in Science (A.S)

Receiving Institution: New York City College of Technology (City Tech)

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. GPA of 2.0 or above
2. C or better in all required computer courses related to the degrees requirements in Computer Science
3. If a grade less than a C is earned in the course(s) which is/(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 City Tech and to earn 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.

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, of which 34 must be taken in residence. Certification of graduation requires a cumulative GPA of 2.0. This 2.0 GPA is also required in the major.

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
PATHWAYS COMMON CORE: 31 Credits				
Required Common Core				
ENGLISH COMPOSITION: ENG 101 English Composition I (ENA101 or ENC101 depending on placement scores)	3	**ENG 1101 English Composition I**	3	3
ENG102 Writing through Literature	3	**ENG 1101 English Composition I**	3	3
MQR: MAT115 College Algebra and Trigonometry (STEM)	3	**Mathematical and Quantitative Reasoning**	3	3
LPS: Select one of the following courses: SCB101 Topics in Biological Sciences; SCC101 Topics in Chemistry; SCP101 Topics in Physics; SCP140 Topics in Astronomy 3	3	**Life and Physical Sciences**	3	3
Flexible Core: Select five courses from the five Flexible Core categories. Note: Only one course can be selected from any one category and select courses from five different disciplines. Students can select only two courses from any one discipline. *Scientific World* MAT200 Pre-Calculus-is the required prerequisite for MAT201 Calculus. Students are advised to select one Urban Study course to complete college requirement. Also include MAT	16	One course each from: World Cultures and Global Issues US Experience in its Diversity Creative Expression Individual and Society Scientific World		16
Subtotal	31	Subtotal	31	31
PROGRAM CORE: 29 Credits				
Math, Engineering and Computer Science				
ECF090 First Year Seminar for Engineering and Computer Science	**0**			
MAT231 Introduction to Discrete Math	3	**MAT 2440** Discrete Structure and Algorithms 1	3	3
HUW166 Introduction to Web Development	3	**CST2309** Web Programming I	3	3
MAC101 Intro to Computer Science	3	**CST1100** Introduction to Computer Systems	3	3
MAC125 Advanced C/C++ Programming	3	**CST1201** Programming Fundamentals	3	3
MAC190 Object-Oriented Programming	3	**CST2301** Multimedia and Mobile Device Programming	3	3
MAC281 Discrete Structures	3	**MAT 2540** Discrete Structures and Algorithms 2	3	3
MAC283 Computer Org & Assembly Lang	3	**CST1215** Operating Systems Fundamentals		3
MAC286 Data Structures	3	**Advance Standing**		3

MAC250 Database Concepts and Programming	3	CST1204 Database Systems Fundamentals	3	3
Unrestricted Elective: 2 Credits	**2**	**Advance Standing**		**2**
Subtotal	**29**	**Subtotal**	**29**	
Total	**60**	**Total**	**60**	

D. SENIOR COLLEGE COURSES REMAINING FOR BACCALAUREATE DEGREE

Course Number & Title	Credits
General Education Requirements (College Option)	
COM 1330 (Effective Speaking, COM 1335 (Group Communication), or COM 1340 (Oral Interpretation of Literature)	3
One interdisciplinary Liberal Arts and Science course	3
Gen Ed (College Option) at NYC College of Technology	**6**
Remaining Requirements in Major	
Prerequisites and Program Requirements	
PSY 1101 Introduction to Psychology *(If not taken at LaGuardia)*	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
Subtotal	**22-25**
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
Total Major Requirements:	33
Subtotal	**33**
Major Electives	
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	22-25
Concentration/Track	33
Total Credits earned at LaGuardia CC:	**60**
Total Credits to be earned at NYC College of Technology:	**61-64**
Total Credits required for B.Tech. degree:	**121-124**

Note: Students must complete two courses designated at Writing Intensive at New York City College of Technology for the bachelor's degree. They must also satisfy the Pathways requirements of at least one course in each of the five Flexible Core areas and an additional sixth course in one of them. Students can complete no more than two courses from any one area.

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:

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

Date:_____

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

Date: 4/4/17

FOR NEW YORK CITY COLLEGE
OF TECHNOLOGY

Dr. Bonne August
Provost and Vice President for
Academic Affairs

Date: 3/21/17

Dr. Hong Li
Chairperson, Department of Computer
Systems Technology

Date: 3/20/2017