QUEENSBOROUGH COMMUNITY COLLEGE	NEW YORK INSTITUTE OF TECHNOLOGY
Associate in Applied Science Computer Information Systems	*Bachelor of Science in Computer Science* 2019

Course	Credit	Course	Credit
Fall Semester #1: 16 credits			
ENGL 101 English Composition I	3	FCWR 101 Writing I	3
BU 201 Business Organization and Management	3	Elective	3
Required Core 1B *Recommended:* MA 128 Calculus for Technical and Business Students	4	MATH 170 Calculus I	4
CIS 101 Introduction to Microcomputer Applications	3	ETCS 108 Computer, Internet and Society*	3
CIS 102 Computer Programming Fundamentals for Business	3	CSCI 125 Computer Programming I	3
Spring Semester #1: 15 credits			
ENGL 102 English Composition II	3	FCWR 151 Writing II	3
Social Sciences or History Elective *Recommended:* HIST History course	3	FCIQ 101 Foundations of Inquiry*	3
BU 203 Principles of Statistics	3	Mathematics Elective	3
CIS 152 Computer Programming for Business I *or* CIS 208 Database Management Systems	3	CSCI 185 Computer Programming II, *or* CSCI 300 Database Management	3
CIS 153 Microcomputer Operating Sys & Utility Software	3	CSCI 330 Operating Systems	3
Fall Semester #2: 16 credits			
Humanities Elective *Recommended:* PHIL Philosophy course	3	ICPH Philosophy Seminar	3
BU 101 Principles of Accounting I	4	(Elective credit, if needed)	-
CIS 201 Local Area Network Management	3	CSCI 345 Computer Networks	3
CIS 152 Computer Programming for Business I *or* CIS 208 Database Management Systems	3	CSCI 185 Computer Programming II, *or* CSCI 300 Database Management	3
CIS Elective	3	CSCI Computer Science Elective	3
Spring Semester #2: 13-14 credits			
Required Core 1C – Life & Physical Sciences *Recommended:* BI-201 General Biology 1, *or* CH-151 General Chemistry 1, *or* PH 401 (PH 421) General Calculus Physics A	4	BIOL 110 General Biology I, *or* CHEM 110 General Chemistry I, *or* PHYS 170 General Physics I	4
ECON 101 Introduction to Macroeconomics *or* ECON 102 Introduction to Microeconomics	3	(Elective credit, if needed)	-
CIS 251 Systems Analysis and Design w Bus Applications	3	CSCI 350 Systems Analysis	3
CIS Elective	3	CSCI Computer Science Elective	3
Free elective, if necessary	0-1	-	-
TOTAL	**60-61**	**TOTAL**	**53**

*Transfer substitution awarded on the basis of this agreement.
Note – Recommended courses are identified to maximize transfer credit award to NYIT.
Fewer credits may transfer if "Recommended" courses are not completed.

Program of Study at New York Institute of Technology
Bachelor of Science in Computer Science

Courses to be completed at NYIT:

Major courses:		Credits
CSCI 135	Digital Logic Design Fundamentals	3
CSCI 155	Computer Organization and Architecture	3
CSCI 235	Elements of Discrete Structures	3
CSCI 260	Data Structures	3
CSCI 270	Probability and Statistics for CS	3
CSCI 312	Theory of Computation	3
CSCI 318	Programming Language Concepts	3
CSCI 335	Design and Analysis of Algorithms	3
CSCI 380	Introduction to Software Engineering	3
CSCI 455	Senior Project	3
CSCI Concentration	Network Security, Big Data Management, General Option	3

Core and additional requirements:		
FCSP 105	Speech Communication	3
FCSC 101	Foundations of Scientific Process	3
FCWR 304	Communication for Technical Professions	3
ICBS 3XX	ICBS Behavioral Science Seminar	3
ICLT 3XX	ICLT Literature Seminar	3
ICSS 309	Technology and Global Issues	3
MATH 180	Calculus II	4
MATH 310	Linear Algebra	3
Mathematics/Science Electives		3
Science Group	BIOL 150, CHEM 150, PHYS 180^	4
Science Elective	BIOL/CHEM/PHYS Elective^	3

Total credits at New York Institute of Technology: 68
^Requirement determined by courses completed at Queensborough CC

_____   8/16/2019
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Dr. Babak Dastgheib-Beheshti, Dean   Date
College of Engineering & Computing Sciences, NYIT

- *Effective Fall 2019*