QUEENSBOROUGH COMMUNITY COLLEGE

NEW YORK INSTITUTE OF TECHNOLOGY

Associate in Science, *Computer Science and Information Security*		*Bachelor of Science in* *Information Technology* 2019	
Course	**Credit**	**Course**	**Credit**
Fall Semester #1: 15-16 credits			
MA 119 College Algebra (or higher)	3-4	Mathematics Elective	3-4
ET 570 Creating Smartphone Apps	3	ETCS 108 Computer, Internet and Society*	3
Flexible Core – Select one course, from 2. A, B, C, D, or E *Recommended:* SP 211 Speech Communication	3	FCSP 105 Foundations of Speech Communication	3
Flexible Core – 2E. Scientific World (BI, CH, PH)	3	Science Equivalent	3
ENGL 101 English Composition I	3	FCWR 101 Writing I	3
Spring Semester #1: 17 credits			
MA 440 Pre-Calculus (or higher)	4	Mathematics Elective	4
ET 704 Networking Fundamentals	4	CSCI 345 Computer Networks +1 Elective credit	4
Flexible Core – 2C. Creative Expression	3	Elective	3
Flexible Core – 2D. Individual & Society	3	Elective	3
ENGL 102 English Composition II	3	FCWR 151 Writing II	3
Fall Semester #2: 15 credits			
MA 471 Introduction to Discrete Mathematics	3	CSCI 235 Elements of Discrete Structures	3
ET 575 Introduction to C++ Programming Design & Implementation	3	CSCI 125 Computer Programming I	3
ET 725 Computer Network Security	3	ITEC 445 Operating System Security	3
Flexible Core – 2A. World Culture & Global Issues	3	Elective	3
Flexible Core – 2B. U.S. Experience and Its Diversity *Recommended:* HIST History course	3	FCIQ 101 Foundations of Inquiry*	3
Spring Semester #2: 14 credits			
MA 441 Analytic Geometry and Calculus I	4	MATH 161 Basic Applied Calculus + 1 Math Elective credit	4
ET 580 Object Oriented Programming	3	CSCI 185 Computer Programming II	3
ET 585 Computer Architecture	3	CSCI 155 Computer Organization and Architecture	3
Required Core 1C – Life & Physical Sciences *Recommended:* PH Physics	4	PHYS Physics Equivalent	4
TOTAL	**61-62**	**TOTAL**	**61-62**

*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 Information Technology

Courses to be completed at NYIT:

Major courses:		Credits
CSCI 260	Data Structures	3
CSCI 330	Operating Systems	3
ITEC 251	Applied Discrete Structures I	3
ITEC 290	Database Systems	3
ITEC 305	Internet Programming I	3
ITEC 320	Web-based Multimedia Development I	3
ITEC 357	Cisco Academy Level I	3
IENG 251	Project Engineering	3
MGMT 421	Cyber Law, Policy and Ethics	3
Prof Concentration	Info and Network Security *or*	
	General Option	6

Core and additional requirements:		
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
ICPH 3XX	ICPH Philosophy Seminar	3
ICSS 309	Technology and Global Issues	3
Electives	Subject of Electives (Science, Liberal Arts, General)	
	TBD based on courses completed at Queensborough CC	7-8

Total credits at New York Institute of Technology: 58-59

Babak D. Beheshti

_____   8/16/2019
                                                  _____

Dr. Babak Dastgheib-Beheshti, Dean   Date
College of Engineering & Computing Sciences, NYIT

▪ *Effective Fall 2019*