SUFFOLK COUNTY COMMUNITY COLLEGE	NEW YORK INSTITUTE OF TECHNOLOGY
Associate in Science *Computer Science*	*Bachelor of Science* *Information Technology*

Course	Credit	Course	Credit
First Semester: 15 credits			
CSE 110: Computer Science College Seminar	1	Elective	1
CSE 118: Fundamentals of Programming	3	Technology Elective	3
ENG 101: Standard Freshman Composition	3	FCWR 101 Writing I	3
MAT 141: Calculus with Analytic Geometry I	4	MATH 161 Basic Applied Calculus + 1 Elective credit	4
Laboratory Science Elective *Recommended*: Physics (PHY)	4	Physics Elective (3) + 1 Science Elective credit	4
Second Semester: 16 credits			
CSE 148: Object-Oriented Programming	4	CSCI 125 Computer Programming I + 1 Elective credit	4
ENG 102: Introduction to Literature	3	FCWR 151 Writing II	3
MAT 142: Calculus with Analytic Geometry II	4	Mathematics Elective (3) + 1 Elective credit	4
Laboratory Science Elective	4	Science Elective (3) + 1 Science Elective credit	4
Physical Education	1	Elective	1
Third Semester: 17 credits			
CSE 218: Data Structures and Algorithms	3	CSCI 260 Data Structures	3
MAT 205: Discrete Mathematics	4	CSCI 235 Elements of Discrete Structures + 1 Elective credit	4
History Elective (HIS)^^	3	FCIQ 101 Foundations of Inquiry^	3
Humanities Elective *Recommended:* ENG Literature* or PHL Philosophy	3	Equivalent ICLT Literature *or* ICPH Philosophy Seminar	3
Laboratory Science Elective	4	FCSC 101 Foundations of Scientific Process + 1 Science Elective credit	4
Fourth Semester: 16 credits			
CSE 222: Computer Architecture and Organization	3	CSCI 155 Computer Organization and Arch	3
CSE 248: Advanced Object-Oriented Programming	3	CSCI 185 Computer Programming II	3
MAT 210: Applied Linear Algebra	3	Liberal Arts Elective	3
SUNY-GER Foreign Language or The Arts	3	Liberal Arts Elective	3
Social Science Elective	3	Liberal Arts Elective	3
Physical Education	1	Elective	1
TOTAL	**64**	**TOTAL**	**64**

^Transfer substitution awarded on the basis of this agreement.
^^ To be selected from HIS101, HIS102, HIS103, HIS104, HIS118, HIS119, or HIS120.
Note – Recommended courses are identified to maximize credits transferred to NYIT.
Fewer credits may transfer if "Recommended" courses are not completed.

*Literature: ENG 202, ENG 205, ENG 206, ENG 209, ENG 210, ENG 211, ENG 212, ENG 213, ENG 214,
ENG 215, ENG 216, ENG 217, ENG 218, ENG 219, ENG 220, ENG 221, ENG 223, ENG 226

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

Courses to be completed at NYIT:

Major Courses:		Credits
ETCS 108	Computer, Internet and Society	3
CSCI 330	Operating Systems	3
CSCI 345	Computer Networks	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
Professional Concentration		
Information and Network Security *or* General option		9

Core and additional requirements:		
FCSP 105	Foundations of Speech Communication	3
FCWR 304	Communication for Technical Professions	3
ICBS 3XX	Behavioral Science Seminar	3
ICLT or ICPH	Literature Seminar *or* Philosophy Seminar**	3
ICSS 309	Technology and Global Issues	3
General Elective credit		2

Total credits at New York Institute of Technology: <u>56</u>

Babak Q. Beheshti

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Dr. Babak Dastgheib-Beheshti
College of Engineering and Computing Sciences, NYIT

- *Effective as of 2019-20*
***Seminar required depends on "Humanities" course completed at Suffolk CCC.*