NASSAU COMMUNITY COLLEGE	NEW YORK INSTITUTE OF TECHNOLOGY
Associate in Science Cybersecurity	***Bachelor of Science in Computer Science*** 2022

Course	Credit	Course	Credit
First Semester: 17 credits			
ENG 100 Enhanced Composition I *or* ENG101 Comp I *or* ENG108 Craft of Composition	3	FCWR 101 Writing I	3
CSC 104 Programming Logic and Problem Solving	3	ETCS 105 Career Discovery * + Elec (1)**	3
ITE 153 Operating Systems Management	4	CSCI 330 Operating Systems + Elec (1)**	4
Mathematics Elective *Recommended:* MAT 122 Calculus I	4	MATH 170 Calculus I	4
Humanities Elective	3	Elective	3
Second Semester: 16-17 credits			
ENG 102 Composition II *or* ENG 109 The Art of Analysis /Honors English II	3	FCWR 151 Writing II	3
CSC 120 Computer Science I	4	CSCI 125 Computer Programming I + Elec (1)**	4
ITE 213 Data Communications and Internet	3	ETCS 108 Computer, Internet and Society *	3
ITE 217 Information Security	3	CSCI 354 Principles of Information Security	3
Mathematics Elective *Recommended:* MAT 241	3-4	CSCI 235 Elements of Discrete Structures	3
Third Semester: 15 credits			
CSC 130 Computer Science II	4	CSCI 185 Computer Programming II + Elec (1)**	4
ITE 223 Network Management I	4	CSCI 345 Computer Networks + Elec (1)**	4
Recommended: BIO 109 or PHY 151 BIO 109 General Biology I PHY 151 Physics Science and Math I	4	Science Equivalent: BIOL 110 General Biology I PHYS 170 General Physics I	4
Social Science Elective	3	Elective	3
Fourth Semester: 16 credits			
ITE 227 Computer Forensics	4	CSCI 460 Special Topics I + Elec (1)**	4
ITE 237 Hacking and Defensive Technology	3	CSCI 470 Special Topics II	3
Natural Science	3	Science Elective	3
Humanities Elective - *Recommended:* PHI Philosophy	3	ICPH Philosophy Seminar	3
Social Science Elective - *Recommended*: PSY, SOC or ANT	3	ICBS Behavioral Science Seminar*	3
TOTAL	**64-65**	**TOTAL**	**64**

*Transfer substitution awarded on the basis of this agreement.

** Credit applied toward math/science electives.

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 260	Data Structures	3
CSCI 270	Probability and Statistics for CS	3
CSCI 300	Database Management	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 456	Senior Project I	2
CSCI 457	Senior Project II	2
CSCI 300/400	Computer Science Concentration Elective (300/400) level	3

Core and additional requirements:		
FCSP 105	Foundations of Speech Communication	3
FCWR 304	Communication for Technical Professions	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/Sciences:		
Natural Science Group	PHYS 180 or BIOL 150 ^	4
Natural Science Elective	BIOL/CHEM/PHYS Elective ^	3

Total credits at New York Institute of Technology: 60

^ *Requirement determined by courses completed at Nassau CC*

Babak D. Beheshti

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

Date

- *Effective Fall 2022*