SUFFOLK COUNTY COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY 2022	
Associate in Applied Science Cybersecurity and Information Assurance		*Bachelor of Science in Computer Science*	
Course	**Credit**	**Course**	**Credit**
First Semester: 16 credits			
CYB 101: College Seminar for Cybersecurity	1	-	-
CYB 111: CCNA Introduction to Networks	3	CSCI 345 Computer Networks	3
CYB 115: Client Operating Systems	4	CSCI 330 Operating Systems + 1 Mathematics/Science Elective credit	4
CYB 125: Cybersecurity Fundamentals	3	CSCI 352 Intro to Network and Internet Security	3
MAT 111: Algebra II or higher	4	MATH 135 Fundamentals of Precalculus I, or course equivalent	4
Physical Education	1	-	-
Second Semester: 16 credits			
CYB 112: Script Programming	3	ETCS 108 Computer, Internet and Society^	3
CYB 121: CCNA Routing and Switching Essentials	3	CSCI 357 Cisco Academy Level I	3
CYB 126: Intranetworking and Infrastructure	3	-	-
ENG 101: Standard Freshman Composition	3	FCWR 101 Writing I	3
Social Sciences Elective *Recommended:* HIS or PHL	3	Mathematics & Science Electives^	3
Physical Education Elective	1	-	-
Third Semester: 16 credits			
COM 101: Introduction to Human Communication	3	FCSP 105 Foundations of Speech Comm	3
CYB 231: CCNA Scaling Networks and Energy Mgmt	3	-	-
CYB 243: Penetration Testing	3	CSCI 460 Special Topics	3
CYB 233: CCNA Security	4	CSCI 445 Operating System Security + 1 Mathematics/Science Elective	4
English Elective *Recommended:* ENG 102	3	FCWR 151 Writing II	3
Fourth Semester: 16 credits			
CYB 242: Information Security Capstone	3	Elective	3
CYB 244: CCNA Cybersecurity Operations	3	-	-
Cybersecurity Elective	3	-	-
Laboratory Science Elective	4	Science Elective	3
Social Sciences Elective *Recommended:* ANT, PSY, SOC	3	ICBS Behavioral Science Seminar	3
TOTAL	**64**	**TOTAL**	**48**

^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 125	Computer Programming I	3
CSCI 135	Digital Logic Design Fundamentals	3
CSCI 155	Computer Organization and Architecture	3
CSCI 185	Computer Programming II	3
CSCI 235	Elements of Discrete Structures	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
Mathematics		
MATH 170	Calculus I	4
MATH 180	Calculus II	4
MATH 310	Linear Algebra	3
Science		
PHYS 170	General Physics I (4)	
PHYS 180	General Physics II (4)	
BIOL/CHEM	Biology/Chemistry Elective (3), *or*	
CHEM 110	General Chemistry I (4)	
CHEM 150	General Chemistry II (4)	
PHYS ELEC	Physics Elective (3), *or*	
BIOL 110	General Biology I (4)	
BIOL 150	General Biology II (4)	
PHYS ELEC	Physics Elective (3)	11
Core and additional requirements		
FCWR 304	Comm for Technical Professions	3
ICLT 3XX	Literature Seminar	3
ICPH 3XX	Philosophy Seminar	3
ICSS 309	Technology and Global Issues	3

Total credits at New York Institute of Technology: 74

Babak Dastgheib Beheshti

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

- *Effective Fall 2022*