NASSAU COMMUNITY COLLEGE

NEW YORK INSTITUTE OF TECHNOLOGY

Associate in Applied Science *Information Technology*		*Bachelor of Science in* *Computer Science* 2023	
Course	**Credit**	**Course**	**Credit**
First Semester: 16 credits			
BUS/ACC Elective	3	DATA 101 Making Sense of a Data-Oriented Society	3
CSC 104 Programming Logic and Problem Solving	3	CSCI 125 Computer Programming I	3
ENG 100 Enhanced Composition I *or* ENG101 Comp I *or* ENG108 Craft of Composition	3	FCWR 101 Writing I	3
ITE 101 Introduction to Information Technology	3	ETCS 108 Computer, Internet and Society	3
Mathematics Elective *Recommended:* MAT 122 Calculus I	4	MATH 170 Calculus I	4
Second Semester: 17 credits			
COM 101 Interpersonal Communications, *or* ENG 102 Composition II *or* ENG 109 Art Analysis	3	FCSP 105 Foundations of Speech Comm, *or* FCWR 151 Writing II	3
Humanities Elective *Recommended:* PHI Philosophy	3	ICPH Philosophy Seminar	3
ITE 153 Operating System Management	4	CSCI 330 Operating Systems	3
ITE 154 Web Programming I	3	ITEC 305 Internet Programming I	3
Mathematics Elective *Recommended:* MAT 123 Calculus II	4	MATH 180 Calculus II	4
Third Semester: 16-17 credits			
HED Health Elective	2-3	ETCS 105 Career Discovery	2
ITE 213 Data Communications and the Internet	3	ITEC 460 Topics in Information Technology	3
ITE 223 Network Management I	4	CSCI 345 Computer Networks	3
ITE 204 Java Programming	4	CSCI 185 Computer Programming II	3
Social Science Elective *Recommended:* HIS History	3	Elective	3
Fourth Semester: 17 credits			
ITE Elective	3	CSCI 460 Special Topics I	3
ITE Elective	3	CSCI 470 Special Topics II	3
ITE 252 Database Management	4	CSCI 300 Database Management	3
Laboratory Science *Recommended:* PHY 151 Physics Science and Math I, *or* BIO 109 General Biology I, *or* CHE 151 General Chemistry I	4	PHYS 170 General Physics I, *or* BIOL 110 General Biology I, *or* CHEM 110 General Chemistry I	4
Social Science Elective *Recommended:* PSY, SOC *or* ANT	3	Behavioral Science Seminar*	3
TOTAL	**66-67**	**TOTAL**	***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 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 456	Senior Project I	2
CSCI 457	Senior Project II	2
Core and additional requirements:		
FCSP 105 *or* FCWR 151	Speech Communication *or* Writing II	3
FCWR 304	Communication for Technical Professions	3
ICLT 3XX	ICLT Literature Seminar	3
IENG 400	Technology and Global Issues	3
MATH 310	Linear Algebra	3
Mathematics/Science Electives		9
Science Group	PHYS 180, CHEM 150 or BIOL 150^	4
Science Elective	BIOL/CHEM/PHYS Elective^	3

Total credits at New York Institute of Technology: 62

^ *Requirement determined by courses completed at Nassau CC*

Babak J. Beheshti

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

Date

- *Effective Fall 2023*