BERGEN COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
Associate in Science *Natural Sciences or Mathematics-* *Computer Science Option*		*Bachelor of Science in* *Information Technology* <mark>2019</mark>	
Course	**Credit**	**Course**	**Credit**
First Semester (16 credits)			
PHR 103 Basic Logic	3	FCIQ 101 Foundations of Inquiry*	3
COM100 Speech Comm _or_ COM102 Public Speaking	3	FCSP 105 Foundations of Speech Comm	3
CIS 165 Fundamentals of Programming	3	CSCI 125 Computer Programming I	3
MAT 280 Calculus I	4	MATH 161 Basic Applied Calculus + 1 Elective credit	4
WRT 101 English Composition I	3	FCWR 101 Writing I	3
Second Semester (16 credits)			
Humanities Elective – _Recommended_ LIT Literature	3	ICLT Literature Seminar	3
CIS 265 Advanced Programming Concepts	3	CSCI 185 Computer Programming II	3
CIS 271 Computer Org and Assembly Language	3	CSCI 135 Digital Logic Design Fundamentals	3
MAT 281 Calculus II	4	Mathematics Elective	4
WRT 201 English Composition II	3	FCWR 151 Writing II	3
Third Semester (14 credits)			
Free Elective	3	Equivalent Elective	3
PHY 280 Physics I	4	PHYS 170 General Physics I	4
CIS 277 Data Structures and Algorithms	3	CSCI 260 Data Structures	3
CIS 288 Discrete Math for Computer Science	4	CSCI 235 Elements of Discrete Structures + 1 Elective credit	4
Fourth Semester (14 credits)			
Computer Science _or_ Math Elective	3	Equivalent Elective	3
Social Science Elective	3	Liberal Arts Elective	3
Free Elective	3	Equivalent Elective	3
PHY 290 Physics II	4	Physics Elective	4
INF 165 Introduction to Linux	1	Technical Elective (1 credit)	1
TOTAL	**60**	**TOTAL**	**60**

*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
ETCS 108	Computer, Internet and Society	3
CSCI 155	Computer Organization and Architecture	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 1	3
IENG 251	Project Engineering	3
MGMT 421	Cyber Law, Policy and Ethics	3
Professional Concentration^		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
ICPH 3XX	ICPH Philosophy Seminar	3
ICSS 309	Technology and Global Issues	3
Electives	Science, Technology, Liberal Arts, or General^	<u>6</u>

Total credits at New York Institute of Technology: <u>60</u>
^ *Requirement determined by courses completed at Bergen CC*

_____   9/24/19
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Dr. Babak Dastgheib-Beheshti, Dean   Date
College of Engineering & Computing Sciences, NYIT

  ▪ *Effective Fall 2019*