

NASSAU COMMUNITY COLLEGE

NEW YORK INSTITUTE OF TECHNOLOGY

<i>Associate in Science Cybersecurity</i>		<i>Bachelor of Science in Information Technology</i>	
		2022	
Course	Credit	Course	Credit
First Semester: 17 credits			
ENG 100 Enhanced Composition I <i>or</i> ENG101 Comp I <i>or</i> ENG108 Craft of Composition	3	FCWR 101 Writing I	3
CSC 104 Programming Logic and Problem Solving	3	ETCS 105 Career Discovery + Tech Elec (1)	3
ITE 153 Operating Systems Management	4	CSCI 330 Operating Systems + Tech Elec (1)	4
Mathematics Elective <i>Recommended: MAT 122 Calculus I</i>	4	MATH 161 Basic Applied Calculus + Math Elec (1)	4
Humanities Elective	3	Equivalent Elective	3
Second Semester: 16-17 credits			
ENG 102 Composition II <i>or</i> 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 + Tech 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 <i>Recommended: MAT 241</i>	3-4	CSCI 235 Elements of Discrete Structures	3
Third Semester: 15 credits			
CSC 130 Computer Science II	4	CSCI 185 Computer Programming II + Tech Elec (1)	4
ITE 223 Network Management I	4	CSCI 345 Computer Networks + Tech Elec (1)	4
BIO 109 General Biology I <i>or</i> PHY 101 General Physics I <i>or</i> PHY 151 Physics Science and Math I	4	BIOL 110 General Biology I <i>or</i> PHYS 130 Introductory Physics + Physics Elec (1) <i>or</i> PHYS 170 General Physics I	4
Social Science Elective	3	Liberal Arts Elective	3
Fourth Semester: 16 credits			
ITE 227 Computer Forensics	4	ITEC 460 Special Topics I + Tech Elec (1)	4
ITE 237 Hacking and Defensive Technology	3	ITEC 470 Special Topics II	3
Natural Science	3	Science Equivalent	3
Humanities Elective – <i>Recommended: PHI Philosophy</i>	3	ICPH Philosophy Seminar	3
Social Science Elective – <i>Recommended: PSY, SOC or ANT</i>	3	ICBS Behavioral Science Seminar*	3
TOTAL	64-65	TOTAL	64

*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:

<u>Major courses:</u>		<u>Credits</u>
CSCI 155	Computer Organization and Architecture	3
CSCI 260	Data Structures	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
IENG251	Project Engineering	3
MGMT 421	Cyber Law, Policy and Ethics	3

Core and additional requirements

Core and additional requirements:

FCSP 105	Foundation of Speech Communication	3
FCWR 304	Communication for Technical Professions	3
ICLT 3XX	ICLT Literature Seminar	3
ICSS 309	Technology and Global Issues	3
Electives – Science, Technology, Physics, Math, Liberal Arts and/or General ^		<u>19</u>

Total credits at New York Institute of Technology: 58

^ Subject of required electives will be determined by courses completed at Nassau CC



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College of Engineering & Computing Sciences, NYIT

Date

▪ *Effective Fall 2022*