

NASSAU COMMUNITY COLLEGE

NEW YORK INSTITUTE OF TECHNOLOGY

<i>Associate in Science Computer Science</i>		<i>Bachelor of Science in Information Technology</i>	
		2023	
Course	Credit	Course	Credit
First Semester: 17 credits			
CSC 120 Computer Science I	4	CSCI 125 Computer Programming I **	3
ENG 100 Enhanced Composition I <i>or</i> ENG101 Comp I <i>or</i> ENG108 Craft of Composition	3	FCWR 101 Writing I	3
HED Health Elective	3	Elective	3
MAT 122 Calculus I	4	MATH 161 Basic Applied Calculus +1 Mathematics Elective credit	4
Social Science Elective	3	DATA 101 Making Sense of a Data-Oriented Society	3
Second Semester: 17 credits			
CSC 130 Computer Science II	4	CSCI 185 Computer Programming II **	3
ENG 102 Comp II <i>or</i> ENG 109 The Art of Analysis	3	FCWR 151 Writing II	3
Humanities Elective (<i>Recommended: Literature or Philosophy</i>)	3	Equivalent Literature <i>or</i> Philosophy Seminar	3
MAT 123 Calculus II	4	Mathematics Elective	4
MAT 241 Discrete Mathematical Structures	3	CSCI 235 Elements of Discrete Structures	3
Third Semester: 16 credits			
CSC 217 C Programming Language	3	CSCI 135 Digital Logic Design (ITEC 251) *	3
CSC 230 Data Structures	3	CSCI 260 Data Structures	3
CSC/MAT Elective	3	Equivalent Elective	3
<i>Recommended: PHY 151 Physics Science and Math I</i>	4	PHYS 170 General Physics I	4
Social Science (<i>Recommended: PSY, SOC, or ANT</i>)	3	ICBS Behavioral Science Seminar	3
Fourth Semester: 14 credits			
CSC 260 Computer Architecture and Organization	4	CSCI 155 Computer Organization & Architecture **	3
CSC/MAT Elective	3	Equivalent Elective	3
Humanities Elective	3	Elective	3
PHY 152 Physics Science and Math II, <i>or</i> BIO 110 Principles of Biology II, <i>or</i> CHE 152 General Chemistry II	4	Science Elective	4
		ETCS 108 Computer, Internet and Society **	3
TOTAL	64	TOTAL	64

*Transfer substitution awarded on the basis of this agreement.

**All three courses (CSC 120, CSC 130, CSC 260) must be completed to receive credit for ETCS 108.

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 330	Operating Systems	3
CSCI 345	Computer Networks	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 I	3
IENG 251	Project Engineering	3
MGMT 421	Cyber Law, Policy and Ethics	3
Prof Concentration	Info and Network Security <i>or</i> General Option	9
 <u>Core and additional requirements:</u>		
FCSP 105	Foundations of Speech Communication	3
FCWR 304	Communication for Technical Professions	3
ICLT or ICPH Seminar	Literature or Philosophy Seminar [^]	3
IENG 400	Technology and Global Issues	3
Electives	Electives—Technology, Liberal Arts, or General [^]	8
Sci & Tech Electives	CTEC, ETEC, PHYS, CHEM, or BIOL	3
 Total credits at New York Institute of Technology:		<u>56</u>

[^] Requirement determined by courses completed at Nassau CC



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College of Engineering & Computing Sciences, NYIT

Date

▪ *Effective Fall 2023*