

BERGEN COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
<i>Associate in Science Professional Studies – Information Technology Option</i>		<i>Bachelor of Science in Information Technology</i>	
		2019	
Course	Credit	Course	Credit
First Semester (15 credits)			
INF-101 Introduction to Information Technology	3	ETCS 108 Computer, Internet and Society	3
INF-103 Introduction to Programming (Python)	3	Technology Elective	3
INF-160 Networking Technologies and Data Comm	3	Technology Elective	3
WRT-101 English Composition I	3	FCWR 101 Writing I	3
Humanities Elective – <i>Recommended</i> PHR Philosophy	3	FCIQ 101 Foundations of Inquiry*	3
Second Semester (15 credits)			
INF Programming Language -- <i>Recommended:</i> ▪ INF-221 C/C++ Programming, <i>or</i> ▪ INF-236 Java Programming	3	CSCI 125 Computer Programming I	3
COM-100 Speech Comm <i>or</i> COM-102 Public Speak	3	FCSP 105 Foundations of Public Speaking	3
WRT-201 English Composition II	3	FCWR 151 Writing II	3
Humanities Elective	3	Liberal Arts Elective	3
Free Elective ▪ INF-219 Database Administration, <i>or</i> ▪ INF-218 Database Programming [Oracle], <i>or</i> ▪ INF-108 PC Maint <i>or</i> BUS-101 Intro Bus	3	Course Equivalent ▪ ITEC 290 Database Systems ▪ CSCI 401 Database Interfaces & Prog ▪ Elective	3
Third Semester (14 credits)			
MAT/INF – <i>Recommended</i> MAT Mathematics	4	Mathematics Equivalent	4
Natural Science – <i>Recommended</i> PHY Physics	4	Physics Equivalent	4
INF-208 Systems Analysis and Design	3	CSCI 335 Design and Analysis of Algorithms	3
INF Restricted Elective -- <i>Recommended:</i> ▪ INF-224 Advanced C++ Programming, <i>or</i> ▪ INF-268 Advanced Java Programming	3	CSCI 185 Computer Programming II	3
Fourth Semester (16 credits)			
Natural Science Elective	4	Science Elective	4
Humanities Elective – <i>Recommended</i> LIT Literature	3	ICLT Literature Seminar	3
Social Science Elec – <i>Recommended</i> PSY, SOC, ANT	3	Behavioral Science Elective	3
Social Science Elective	3	Elective	3
Free Elective	3	Elective	3
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:

<u>Major courses:</u>		<u>Credits</u>
CSCI 155	Computer Organization and Architecture	3
CSCI 235	Elements of Discrete Structures	3
CSCI 260	Data Structures	3
CSCI 330	Operating Systems	3
CSCI 345	Computer Networks	3
ITEC 251	Applied Discrete Structures I	3
ITEC 290	Database Systems (or CSCI/ITEC Elective or Open Elective)^	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	3-6

Core and additional requirements:

FCSC 101	Foundations of Scientific Process	3
FCWR 304	Communication for Technical Professions	3
ICBS 3XX	Behavioral Science Seminar	3
ICPH 3XX	Philosophy Seminar	3
ICSS 309	Technology and Global Issues	3
MATH 161	Basic Applied Calculus (or Mathematics Elective)^	3
Electives^		<u>0-3</u>

Total credits at New York Institute of Technology:

60

^ Requirement determined by courses completed at Bergen CC



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College of Engineering & Computing Sciences, NYIT

9/24/19

Date

▪ Effective Fall 2019