

SUFFOLK COUNTY COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
<i>Associate in Applied Science Cybersecurity and Information Assurance</i>		<i>Bachelor of Science Information Technology</i>	
Course	Credit	Course	Credit
First Semester: 16 credits			
CYB 101: College Seminar for Cybersecurity	1	Liberal Arts Elective	1
CYB 111: CCNA Introduction to Networks	3	CSCI 345 Computer Networks	3
CYB 115: Client Operating Systems	4	CSCI 330 Operating Systems	3
CYB 125: Cybersecurity Fundamentals	3	ITEC 310 Intro to Network and Internet Security	3
MAT 111: Algebra II or higher	4	MATH 135 Fundamentals of Precalculus I, or course equivalent	4
Physical Education	1	Elective (1 credit)	1
Second Semester: 16 credits			
CYB 112: Script Programming	3	ETCS 108 Computer, Internet and Society^	3
CYB 121: CCNA Routing and Switching Essentials	3	ITEC 357 Cisco Academy Level I	3
CYB 126: Intranetworking and Infrastructure	3	ITEC Technology Elective	3
ENG 101: Standard Freshman Composition	3	FCWR 101 Writing I	3
Social Sciences Elective <i>Recommended: HIS or PHL</i>	3	FCIQ 101 Foundations of Inquiry^	3
Physical Education Elective	1	Elective (1 credit)	1
Third Semester: 16 credits			
COM 101: Introduction to Human Communications	3	FCSP 105 Foundations of Speech Communication	3
CYB 231: CCNA Scaling Networks and Energy Mgmt	3	ITEC Technology Elective	3
CYB 232: CCNA Connecting Networks	3	ITEC 460 Topics in Information Technology	3
CYB 233: CCNA Security	4	ITEC 445 Operating System Security + 1 Elective credit	4
English Elective <i>Recommended: ENG 102</i>	3	FCWR 151 Writing II	3
Fourth Semester: 16 credits			
CYB 242: Information Security Capstone	3	Elective	3
CYB 244: CCNA Cybersecurity Operations	3	Elective	3
Cybersecurity Elective	3	Elective	3
Laboratory Science Elective <i>Recommended: PHY 101 College Physics I *</i>	4	PHYS 130 Introductory Physics + 1 Liberal Arts Elective credit	4
Social Sciences Elective	3	Liberal Arts Elective	3
TOTAL	64	TOTAL	63

^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.
*Only students who place in MAT 124 and have successfully passed will be eligible to
take PHY 101 as their Laboratory Science Elective.

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 125	Computer Programming I	3
CSCI 155	Computer Organization and Architecture	3
CSCI 185	Computer Programming II	3
CSCI 235	Elements of Discrete Structures	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
IENG 251	Project Engineering	3
MGMT 421	Cyber Law, Policy and Ethics	3
 <u>Mathematics and Science</u>		
MATH 161	Basic Applied Calculus	3
	Science Elective	3
 <u>Core and additional requirements:</u>		
FCSC 101	Foundations of Scientific Process	3
FCWR 304	Communication for Technical Professions	3
ICBS 3XX	ICBS Behavioral Science Seminar	3
ICLT 3XX	ICLT Literature Seminar	3
ICPH 3XX	ICPH Philosophy Seminar	3
ICSS 309	Technology and Global Issues	<u>3</u>
 Total credits at New York Institute of Technology:		<u>57</u>



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▪ *Effective as of 2019-20*