GUTTMAN COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
Associate in Applied Science ***Information Technology*** **Cybersecurity Concentration**		***Bachelor of Science*** ***Information Technology*** **2025-2026**	
Course	**Credit**	**Course**	**Credit**
CUNY Required Core (9 credits)			
ENGL 103: Composition I	3	FCWR 101: Writing I	3
ENGL 203: Composition II	3	FCWR 151: Writing II	3
MATH 103: Statistics, *or* MATH 103A: Stats A & MATH 103B: Stats B, *or* MATH 120: College Algebra & Trigonometry, *or* MATH 120.5: College Algebra & Trig with Lab	3	Math Elective	3
CUNY Flexible Core (15 credits)			
AMST 103: Introduction to Social Justice	3	Liberal Arts Elective	3
AMST 203: Civic Engagement in a Global Society, *or* ECON 206: International Political Economy	3	IENG 400: Technology and Global Issues	3
ART 120: Introduction to Photography, *or* ART 200: Arts in New York City, *or* COMM 102: Introduction to Media Studies, *or* ENGL 211: Cities in Film & Literature	3	General Elective, *or* ICLT 325 Cityscapes: The City in World Literature for ENGL 211	3
SOSC 111: Ethnographic Methods at Work	3	ICBS Behavioral Science Elective	3
"One additional course from the above areas"	3	General Elective	3
Core Course Requirements (30 credits)			
INFT 102: Hardware & Software	3	General Elective	3
INFT 202: Database Management & Design	3	ITEC 290: Database Systems	3
INFT 203: Intro to Management Information Systems	3	DATA 101: Making Sense of a Data Society	3
INFT 215: Operating Systems I	3	Technology Elective	3
INFT 216: Network Security I	3	Technology Elective	3
INFT 217: Networking I	3	CSCI 345: Computer Networks	3
INFT 225: Operating Systems II	3	CSCI 330: Operating Systems	3
INFT 226: Network Security II	3	ITEC 310: Intro to Network & Internet Security	3
INFT 239: Introduction to Computer Forensics	3	Technology Elective	3
INFT 256: Cybersecurity Capstone Course	3	Technology Elective	3
Electives (6 credits total)	6	Course equivalents as noted:	6
BUSI 102: Introduction to Business (3)		*General Electives (3)*	
BUSI 204: Fundamentals Project Management (3)		*General Electives (3)*	
INFT 211: Programming I (3)		*CSCI 125: Computer Programming I (3)*	
INFT 213: Special Topics in Information Tech (3)		*ITEC ELEC: Information Tech Elective (3)*	
INFT 221: Web Technologies & Multimedia (3)		*ITEC 305: Internet Programming I (3)*	
INFT 223: Programming II (3)		*CSCI 185: Computer Programming II (3)*	
INFT 227: Networking II (3)		*ITEC 357: CISCO Academy Level I (3)*	
INFT 298: Independent Study in IT (3)		*ITEC ELEC: Information Tech Elective (3)*	
MATH 120/120.5: College Algebra & Trig (3)		*Math Elective (3)*	
TOTAL	**60**	**TOTAL**	**60**

Program of Study at New York Institute of Technology

Bachelor of Science, Information Technology

Courses to be completed at NYIT:

Major courses:		Credits
ETCS 108	Computer, Internet and Society	3
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-305	Internet Programming I	3
ITEC 320	Web-based Multimedia Development I	3
ITEC 357	Cisco Academy Level 1	3
IT Option	2 courses from 300/400 level CSCI/ITEC	6
IENG 251	Project Engineering	3
MGMT 421	Cyber Law, Policy, and Ethics	3

Core and additional requirements:		
FCWR 304	Communication for Technical Problems	3
Seminar	Two Seminar classes	6
MATH 161	Basic Applied Calculus	3
PHYS XXX	Physics Elective	3
Sci Elec	Science Elective	3
Elective	Liberal Arts and General Electives	6

	*66**
* Up to 6 credits awarded based on elective courses completed at Guttman CC	- 6
Total credits at New York Institute of Technology:	**60**

Note: ETCS 105 (2 credits) Career Discovery is waived.

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Approved by Dr. Yoshi Saito, Chair
College of Engineering and Computing Sciences,
New York Institute of Technology
Effective as of 2025

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Approved by Dr. Babak Beheshti, Dean
College of Engineering and Computing Sciences,
New York Institute of Technology
Effective as of 2025