BERGEN COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
Associate in Applied Science General Engineering Technology		***Bachelor of Science in Electrical and Computer Engineering Technology*** **2019**	
Course	**Credit**	**Course**	**Credit**
First Semester (14 credits)			
ELC-101 DC-Circuit Analysis	4	ETEC 110 Electrical Technology I	4
PHY-185 Introduction to Physics	4	PHYS 130 Introductory Physics + 1 Liberal Arts Elective credit	4
WRT-101 English Composition I	3	FCWR 101 Writing I	3
Free Elective – *Recommended:* MAT-160 Intermediate Algebra (4)	3	MATH 135 Fundamentals of Precalculus I	4
Second Semester (15 credits)			
CHM-102 Chemistry in Context *or* CHM-100 Introduction to Chemistry	4	FCSC 101 Foundations of Scientific Process* + 1 Liberal Arts Elective credit	4
DFT-107 Drafting I	3	-	-
ELC-201 AC-Circuit Analysis	4	ETEC 120 Electrical Technology II	4
ELC-203 Electronics I	4	ETEC 131 Electronics Technology I	4
Third Semester (16 credits)			
Humanities Elective – *Recommended*: HIS History *or* PHR Philosophy and Religion	3	FCIQ 101 Foundations of Inquiry*	3
DFT-207 Drafting II	3	-	-
ELC-204 Electronics II	4	ETEC 231 Electronics Technology II	4
MFG-122 Machine Tool Principles I	3	ETEC 490 Special Topics	3
WRT-202 Technical Writing	3	FCWR 151 Writing II	3
Fourth Semester (15 credits)			
Social Science Elective – *Recommended*: PSY Psychology *or* SOC Sociology *or* ANT Anthropology	3	ICBS Behavioral Science Seminar*	3
Free Elective – *Recommended:* MAT-180 Precalculus (4)	3	MATH 136 Fundamentals of Precalculus II	4
Elective Choice: DFT-209 or MFG-206 *Recommended:* MFG-206 Concepts of Industrial Design	3	ETEC 491 Special Topics II	3
Elective Choice: 1) DFT-210 Computer Aided Drafting I 2) MFG-119 Pro/Engineer Design I 3) TEC-180 Problem Solving using Technology (4)	3-4	Course Equivalent: 1) MTEC 210 Intro to Computer Aided Design 2) MTEC 210 Intro to Computer Aided Design 3) CTEC 247 Applied Computational Analysis II	3
MFG-124 Applied Metrology	3	-	-
TOTAL	**60-61**	**TOTAL**	**53**

*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 Electrical and Computer Engineering Technology

Courses to be completed at NYIT:

Major courses:		Credits
ETEC 310	Communication Circuits	4
ETEC 325	Applied Statistics	3
ETEC 410	Control Systems Technology	4
ETEC 495	Electrical Engineer Tech Senior Design *or*	
CTEC 495	Computer Technology Seminar Project	3
CTEC 204	Programming Techniques I	3
CTEC 208	Programming Techniques II	3
CTEC 216	Digital Electronics	4
CTEC 235	Microcomputers I	4
CTEC 241	Circuit Design and Fabrication	4
CTEC 243	Applied Computational Analysis I	3
CTEC 247	Applied Computational Analysis II *or* ETEC/CTEC Elective^	3
CTEC 336	Embedded Systems and IoT	4
CTEC 350	Microcontroller Based Systems	3
IENG 240	Engineering Economics	3
IENG 251	Project Engineering	3

Core and additional requirements:		
MATH 161	Basic Applied Calculus	3
PHYS 150	Introductory Physics II	3
FCSP 105	Foundations of Speech Communication	3
FCWR 304	Communication for Technical Professions	3
ICLT 3XX	ICLT Literature Seminar	3
ICPH 3XX	ICPH Philosophy Seminar	3
ICSS 309	Technology and Global Issues	3
Liberal Arts or Science Electives		4

Total credits at New York Institute of Technology: 76

^Requirement determined by courses completed at Bergen CC

Babak J. Beheshti

Dr. Babak Dastgheib-Beheshti, Dean
College of Engineering & Computing Sciences, NYIT

9/24/19
Date

- *Effective Fall 2019*