SUFFOLK COUNTY COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
Associate in Applied Science *Electrical Technology -Electronics*		*Bachelor of Science in* *Electrical and Computer Engineering Technology* *2022-23*	
Course	**Credit**	**Course**	**Credit**
First Semester			
COL 101: College Seminar	1	Liberal Arts Elective	1
ENG 101: Standard Freshman Composition	3	FCWR 101: Found. of College Composition	3
ELT 112: Electricity I	4	ETEC 110: Electrical technology I	4
ELT 113: Digital Electronics	4	CTEC 216: Digital Electronics	4
ELT 115: Technical Problem Solving	1	Science Elective	1
MATH 124: Fundamental of Pre-calculus or higher	4	MATH 135: Fundamentals of Precalculus I	4
Second Semester			
ELT 221: Electronic Applications of Mathematics	1	Liberal Arts Elective	1
ELT 222: Electronics I	4	ETEC 131: Electronics Technology I	4
ELT 224: Electricity II	4	ETEC 120: Electrical Technology I	4
ELT 227: Electrical Construction	1	~~Science Elective~~	~~1~~
ELT 228: Digital Electronics II	3	Credits balance ETEC 231, CTEC 235, ETEC 310	-
MATH 125: Fundamentals of Precalculus II	4	MATH 136 Fundamentals of Precalculus II	4
Third Semester			
COM 101: Introduction to Human Communication	3	FCSP 105: Found. of Speech Communications	3
ELT 231: Electricity III	4	ETEC 490 Special topics	3
ELT 236: Electronics II	3	ETEC 231: Electronics Technology II	4
ELT 238: Digital Electronics III	3	CTEC 235: Microcomputers I	4
PHY 118: College Physics I	4	PHYS 130: Intro Physics I + Science Elective	3 1
Fourth Semester			
ELT 244: Analogue/ Digital Communications	3	ETEC 310: Communications Circuits I	4
ELT 243: Advanced Electronics	3	ETEC 491: Special topics	3
English Elective (Recommended ENG 121)	3	FCWR 151: Foundations of Research Writing	3
Social Sciences Elective	3	Liberal Arts Elective	3
Physical Education Elective	1	Liberal Arts	1
TOTAL	**64**	**TOTAL**	**63**

Program of study at New York Institute of Technology

Bachelor of Science in Electrical and Computer Engineering Technology

Major Courses:		Credits
CTEC 204	Programming Techniques I	3
CTEC 208	Programming Techniques II	3
CTEC 241	Circuit Design and Fabrication	4
CTEC 243	Applied Computational Analysis I	3
CTEC 247	Applied Computational Analysis II	3
CTEC 336	Embedded Systems and IOT	4
CTEC 350	Microcontroller Based Systems	3
IENG 240	Engineering Economics	3
IENG 251	Project Engineering	3
ETEC 325	Applied Statistics	3
ETEC 410	Control Systems Technology	4
IENG 400	Technology and Global Issues	3
ETEC 495	Senior Design project	3
Electrical/Computer Technology Electives		3

Core and additional requirements:

FCWR 304	Communication for Technical Professions	3
ICLT 3xx	Literature Choice	3
ICPH 3xx	Philosophy Choice	3
ICBS 3xx	Behavioral Science Choice	3
MATH 161	Basic Applied Calculus	3
PHYS 150	Intro Physics II	3

Total Credits at New York Institute of Technology: 63

Dr. Babak Beheshti, Dean
College of Engineering and Computing Sciences, New York Institute of Technology

Effective 2022-2023