

SUFFOLK COUNTY COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
<i>Associate in Applied Science Electrical Technology -Electronics</i>		<i>Bachelor of Science in Electrical and Computer Engineering Technology</i>	
Course	Credit	Course	Credit
First Semester: 17 credits			
COL 101: College Seminar	1	Liberal Arts Elective	1
ENG 101: Standard Freshman Composition	3	FCWR 101: Writing I	3
ELT 112: Electricity I	4	ETEC 110: Electrical Technology I	4
ELT 113: Digital Electronics I	4	CTEC 216: Digital Electronics	4
ELT 115: Technical Problem Solving	1		
MAT 124: Fundamentals of Precalculus I or higher	4	MATH 135: Fundamentals of Precalculus I	4
Second Semester: 17 credits			
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	-	-
ELT 228: Digital Electronics II	3	Credits balance ETEC 231, CTEC 235, ETEC 310	-
MAT 125: Fundamentals of Precalculus II	4	MATH 136 Fundamentals of Precalculus II	4
Third Semester: 17 credits			
COM 101: Introduction to Human Communication	3	FCSP 105: Found. of Speech Communications	3
ELT 231: Electricity III	4	Science Elective	4
ELT 236: Electronics II	3	ETEC 231: Electronics Technology II	4
ELT 238: Digital Electronics III	3	CTEC 235: Microcomputers I	4
PHY 101: College Physics I	4	PHYS 130: Intro Physics I + Liberal Arts Elec I	4
Fourth Semester: 13 credits			
ELT 244: Analog/ Digital Communications	3	ETEC 310: Communications Circuits I	4
ELT 243: Advanced Electronics	3	ETEC 490: Special Topics	3
English Elective (Recommended ENG 121)	3	FCWR 151: Writing II	3
Social Sciences Elective	3	FCIQ 101: Foundations of Inquiry(*)	3
Physical Education Elective	1	-	-
TOTAL	64	TOTAL	61

(*) Transfer substitution awarded based on this agreement

Program of Study at New York Institute of Technology
Bachelor of Science in Electrical and Computer Engineering Technology

Courses to be completed at NYIT:

<u>Major Courses:</u>		<u>Credits</u>
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		6
Core and additional requirements:		
FCWR 304	Communication for Technical Professions	3
ICBS 3XX	Behavioral Science Seminar	3
ICLT 3XX	Literature Seminar	3
ICPH 3XX	Philosophy Seminar	3
MATH 161	Basic Applied Calculus	3
PHYS 150	Intro Physics II	3
Liberal Arts or Science Electives		<u>2</u>
Total credits at New York Institute of Technology:		<u>68</u>



Dr. Babak Beheshti, Dean
College of Engineering and Computing Sciences