The City University of New York

Queensborough Community College and New York City College of Technology
Transfer Articulation Agreement

A. SENDING AND RECEIVING INSTITUTIONS

Sending College: Queensborough Community College
Department: Engineering Technology
Program: Electronic Engineering Technology
Degree A.A.S.

Receiving College: New York City College of Technology, School of Technology and Design
Department: Electrical and Telecommunications Engineering Technology
Program: Electrical Technology
Degree: B.Tech

B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM

- A.A.S. in Electronic Engineering Technology with a minimum 2.5 cumulative grade point average (GPA) on a 4-point scale. A grade of "C" or better in all courses in the QCC program core.
- New York City College of Technology will accept transfer credits only, not course grades.
- Grade of C or better in all Mathematics courses. Grade of C or better in English composition, its equivalent, or a higher-level English course
- Students will be granted, upon acceptance into the B.Tech in Electrical Technology at New York City College of Technology, a total of 64 transfer credits for the Queensborough Community College A.A.S. Electronic Engineering Degree. An additional 66-68 credits will be required to earn the B. Tech at New York City College of Technology

C. TRANSFER CREDITS AWARDED

Queensborough Community College AAS in Engineering Technology Credits Awarded		Transfer Credits
I – Required Core (4 courses, 14 Credits)		
English Composition	ENGL 101 – English Composition I	3
	ENGL 102 – English Composition II	3
Mathematical and Quantitative Reasoning	MA 114 – College Algebra and Trigonometry for Technical Students	4
Life and Physical Sciences	PH 201 – General Physics I	4
II – Flexible Core (3 courses, 10 Credits)		
History or Social Science	Pathways Flexible core courses.	3
History or Social Science	Pathways Flexible core courses.	3
Scientific World	PH 202 – General Physics II	4
Total General Education Common Core Credits		**24**
III – Program Core (13 Courses, 40 Credits)		
Tech 100 – Introduction to Engineering and Technology		1
ET 110 – Electric Circuit Analysis I		4
ET 140 – Sinusoidal and Transient Circuit Analysis		3
ET 210 – Electronics I		4
ET 220 – Electronics II		4
ET 230 – Telecommunications I		4
ET 320 – Electrical Controls Systems		3
ET 410 – Electronic Project Laboratory		1
ET 509 – C++ Programming for Embedded Systems		1
ET 540 – Digital Computer Theory		4
ET 560 – Microprocessors and Microcomputers		4
MA 128 – Calculus for Technical and Business Students		4
Elective- ET 232, ET-305, 360,375,481,502,505,575,704, 710,712,725, 991,992,993		3
Total Engineering Core Credits	**40**	**40**
Total A.S. Degree Requirements		**64**

D. COURSE EQUIVALENCIES

QCC Course	QCC Credits	NYCCT Course	NYCCT Credits
ENGL 101 – English Composition I	3	ENG 1101 – English Composition I	3
ENGL 102 – English Composition II	3	ENG 1121 – English Composition II	3
MA 114 – College Algebra and Trigonometry for Technical Students	4	MAT 1375 – Pre-calculus	4
Life and Physical Sciences – PH 201 – General Physics	4	PHYS 1433 – General Physics I	4
SW – PH 202 – General Physics II	4	PHYS 1434 – General Physics II	4
Pathways Flexible core courses. 2A, 2B,2D, or 2E-History or Social Science	3	PHIL 2106 – Philosophy of Technology (IS)	3
Pathways Flexible core courses. 2A, 2B,2D, 2E-History or Social Science	3	Flexible Core	3
ET 110 – Electric Circuit Analysis I	4	EET 1122 – Circuit Analysis I	4
ET 140 – Sinusoidal and Transient Circuit Analysis + Any ET elective ET 232, ET-305,360, 375,481,502,505, 575,704, 710,712,725, 991,992,993	3 + 3	EET 1222 Circuit Analysis II* + EET 2251 Electric Machines Laboratory	5 + 1
ET 210 – Electronics I	4	EET 1240 – Electronics	4
ET 220 – Electronics II	4	EET 2122 Advanced Circuit Analysis +EET 1241 Electronics Laboratory	3 + 1
ET 230 – Telecommunications I	4	EET 2140 – Communications Electronics	3
		EET 2141 – Communications Electronics Lab	1
ET 320 – Electrical Controls Systems	3	EET 2220 – Electronic Controls	3
ET 410 – Electronic Project Laboratory	1	EET 2171 Projects Laboratory	1
Tech 100 – Introduction to Engineering and Technology	1	EET 1102 – Techniques of Electrical Technology	2
ET 509 – C++ Programming for Embedded Systems	1		
ET 540 – Digital Computer Theory	4	EET 2162 – Digital Electronics I	3
		EET 2271 – Circuits Analysis Lab	1
ET 560 – Microprocessors and Microcomputers	4	EET 2262 – Digital Electronics II	3
		EET 1202 – Electrical Drafting	1
MA 128 – Calculus for Technical and Business Students	4	MAT 1475 – Calculus I	4

Total contributory transfer credits	**64**

E. ASSOCIATE LEVEL AND SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BACCALAUREATE DEGREE COMPLETION

I – College Option (2 course, 6 Credits)	
COM 1330 Public Speaking or any Liberal Arts course	3
Interdisciplinary Liberal Arts and Science Course	3
II – Flexible Core (3 courses, 9-10 Credits)	
ECON 1101 – Introduction to Macroeconomics (USED)	3
2nd FC Course - MAT 1372 – Statistics with Probability or MAT 2572 – Probability with Mathematical Statistics	3 or 4
Flexible Core course needed to meet Pathways degree requirements	3
III – Associate-Level Courses (1 course, 3 Credits)	
EET 2150 – Electric Machines Theory	3
IV – Baccalaureate-Level Courses (15 courses, 48-49 Credits)	
EET 3102 – Signals and Systems	4
EET 3112 – Advanced Microcontroller and Embedded Design	3
EET 3122 – Sensors and Instrumentation	3
EET 3202 – Principles of Communications Systems	4
EET 3212 – Control Systems	4
EET 3222 – Power Electronics	3
EET 4102 – Electrical Power Systems	3
EET 4112 – Mechatronics	3
EET 4202 – Digital Signal Processing	3
EET 4212 – Capstone Project	3
Technical Elective (2 Courses)	5-6
ENG 2570 - Writing in the Workplace	3
ENG 2575 – Technical Writing	3
MAT 1575 – Calculus II	4
Total Credits Taken at New York City College of Technology	**66-68**
Total Credits for the BTech in Electrical Technology	**130-132**

Note: Students at New York City College of Technology must complete two courses designated Writing Intensive (WI) for the baccalaureate level, one from Gen Ed and one from the major.