

**The City University of New York
Recommended Articulation Agreement Format**

Agreement initiated by New York City College of Technology

Sending College: Queensborough Community College

Department: Electrical and Computer Engineering Technology

Program: Telecommunications Technology

Degree: Associate in Applied Science

Receiving College: New York City College of Technology

Department: Mathematics

Program: Applied Mathematics

Degree: Bachelor of Science

Admission requirements for senior college program (e.g., minimum GPA):

- Students are required to have completed two semesters of calculus.

Total transfer credits granted toward the baccalaureate degree: 60

Total additional credits required at the senior college to complete baccalaureate degree: 60

COURSE TO COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

<u>QCC</u> <u>(Suggested</u> <u>Equivalency)</u>		<u>NYCCT Equivalent</u>		<u>Credit</u> <u>Granted</u>
<u>Course and Title</u>	<u>Cr.</u>	<u>Course and Title</u>	<u>Cr.</u>	
*Technical Math I (MA 441 Calculus I)	4	MA 475 Calculus I (Math A)	4	4
*Technical Math II (MA 442 Calculus II)	4	MA 575 Calculus II (Math B)	4	4
PHY 201 Physics I	4	SC 441 (Science A)	5	4
PHY 202 Physics I	4	SC 442 (Science B)	5	4
EN 101 English I	3	EG 101 English I	3	3
EN 102 English II	3	EG 121 English II	3	3
Social Science or History (SS 211 Macroeconomics)	3	Social Science (EN 101 Macroeconomics)	3	3
Social Science or History (SS 212 Microeconomics)	3	Social Science (EN 401 Microeconomics)	3	3
		SUBTOTAL		28
		<i>Specific Program Requirements (Including Prerequisites)</i>		
ET 110&140 DC&AC	5	ET 242 Electrical Networks	5	5
ET 210 Electronics	4	ET 212 Electronics	4	4
ET 540 Digital Electronics	3	ET 382 Digital Electronics	3	3
ET 230 Analog Digital	4	MS 307 Local Area Networks	4	4
ET 704 Network Design	3	TC 570 Computer Systems	3	3
ET 231 A-D Communication	4	TC 320 Analog and Digital Telephony	4	4
ET 705 Advanced Tel	3	TC 430 Microcomputer Interfacing	3	3
ET 560 Microprocessors	4	TC 500 Digital and Data Communication	4	4
ET 501&502 Intro Comp	2	CS 101 Intro to Comp Programming	3	3
		SUBTOTAL		32
		TOTAL		60

* The applied mathematics program requires two semesters of calculus (transfer students with Tech. Math I and II would be eligible to take MA 575 Calc II).

**SENIOR COLLEGE UPPER DIVISION COURSES
REMAINING FOR BACCALUREATE DEGREE**

Course and TitleCredits

<i>General Education (Liberal arts, Core, Distribution) and other Required Course</i>	
Literature, Aesthetics or Philosophy	9
Behavioral Science	3
ENG 533 Advanced Technical Writing	3
Liberal Arts and Science Electives	6
SUBTOTAL	21
<i>Prerequisites and Major Courses</i>	
CS 403 C++ Programming I	3
CS 503 C++ Programming II	3
MA 440 Discrete Math	3
MA 675 Calculus III	4
MA 530 Numerical Methods	3
MA 572 Probability and Statistics I	4
MA 580 Linear Algebra	3
MA 770 Math Modeling: optimization	3
MA 880 Math Modeling: dynamic	3
MA 777 Applied Math: Wave Equation	3
MA 787 Applied Math: Finite Fields	3
MA 900, MA 901 Internship	4
SUBTOTAL	39
TOTAL	60

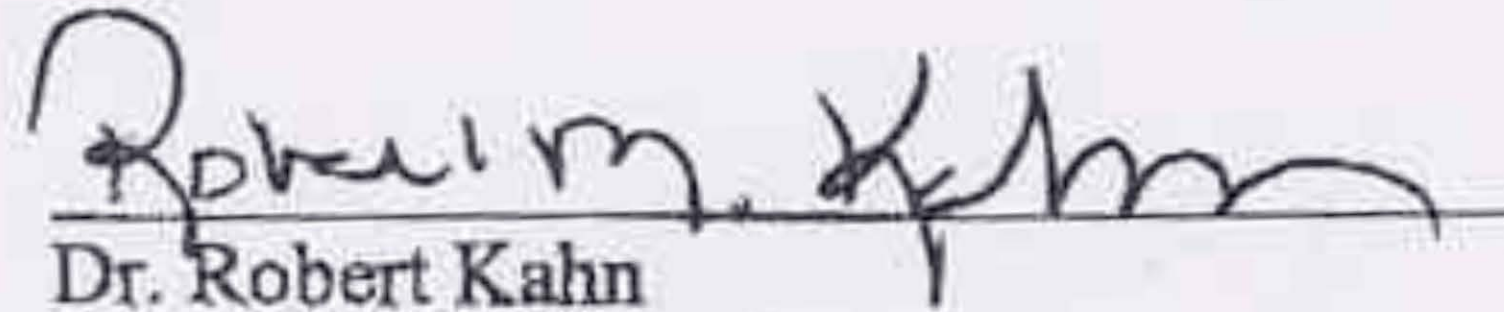
Sending and receiving college procedures for publicizing agreement, e.g., college catalogs, transfer advisers, websites, etc.

Additional Information:

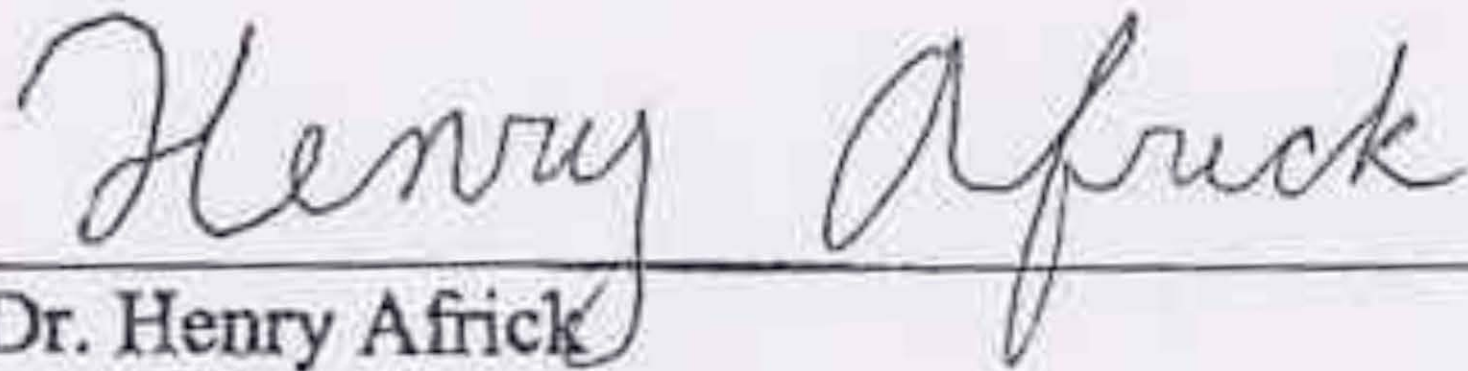
Effective Date: Fall 2003



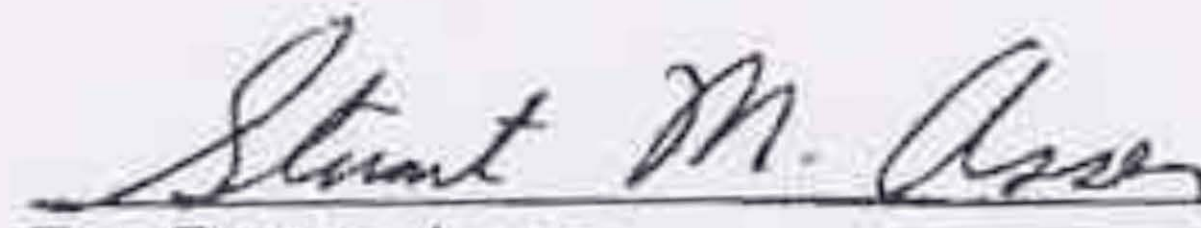
Dr. Joann LaPerla
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New York City College of Technology



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