

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

Agreement initiated by (college) New York City College of Technology

Sending College: Bronx Community College

Department: Mathematics

Program: Mathematics

Degree: Associate of Arts and Science

Receiving College:

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*

* Due to discrepancies in the credits assigned to certain courses, 60 credits offered at Bronx Community College translates into 56 credits at New York City College of Technology.

Total additional credits required at the senior college to complete baccalaureate degree: 64

COURSE TO COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

<u>BCC</u> <u>(Suggested Equivalency)</u>		<u>NYCCT Equivalency</u>		<u>Credit</u> <u>Granted</u>
<u>Course and Title</u>	<u>Cr.</u>	<u>Course and Title</u>	<u>Cr.</u>	
MTH 31 Calculus I	4	MA 475 Calculus I	4	4
MTH 32 Calculus II	5	MA 575 Calc II + MA 476 L	5	5
SCI (Physics I PHY 31)	4	Science A (SC 441 Physics I)	5	4
SCI (Physics II PHY 32)	4	Science B (SC 442 Physics II)	5	4
ENG 11 Comp I	3	EG 101 English I	3	3
ENG 12, 14, 15, or 16 (ENG 12 Comp II)	3	Communications or Literature/Aesthetics/Philosophy (EG 121 English II)	3	3
HIS 10 or 11 History	3	Behavioral/Social Science	3	3
MUS 11 or ART 11	3	Literature/Aesthetics/Philosophy	3	3
HIS or SOC (ECO 11)	3	Behavioral/Social Science (EN 401 Micro Economics)	3	3
Free Elective - Liberal Arts and Science only (ECO 12)	3	Liberal Arts and Science Elective (EN 101 Macro Economics)	3	3
Free Elective - Liberal Arts and Science only (ENG 14, 15 or 16)	3	Liberal Arts and Science Elective (Literature/Aesthetics/Philosophy)	3	3
CMS 11 Speech	3	Communications	3	3
		SUBTOTAL		41
		<i>Specific Program Requirements (Including Prerequisites)</i>		
MTH 33 Calculus III	5	MA 675 Calculus III	4	4
CSI 10 Intro to Programming I	3	CS 101 Intro to Programming	3	3
Restricted Electives CSI 20, MTH 34, MTH 44, MTH 46, or MTH 48 (CSI 20 Discrete Math and MTH 34 Diff EQ)	7	Mathematics Elective (MA 440 Discrete Math and MA 680 Differential Equations)	6	6
MTH 42 Lin Algebra	4	MA 580 Linear Algebra	3	3
		SUBTOTAL		16
		TOTAL		57

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

Course and TitleCredits

<i>General Education (Liberal arts, Core, Distribution) and other Required Course</i>	
(Advanced Literature), Aesthetics or Philosophy	3
Elective	1
ENG 533 Advanced Technical Writing	3
SUBTOTAL	7
<i>Prerequisites and Major Courses</i>	
CS 403 C Programming I	3
CS 503 C Advanced Programming II	3
CS 603 Object Oriented Programming	3
CS 550 Data Structures	3
CS 504 Database Programming	3
MA 490 Intro to Financial Math	3
CS 604 Distributed Database	3
MA 530 Numerical Methods	3
MA 572 Probability and Statistics I	4
MA 672 Probability and Statistics II	4
MA 772 Stochastic Processes	4
MA 872 Probability and Statistics III	4
MA 770 Math Modeling: Optimization	3
MA 880 Math Modeling: Dynamic	3
MA 678 Applied Math: Algorithms	3
MA 787 Applied Math: Application of the Heat Equation	3
MA 900, MA 901 Internship	4
SUBTOTAL	56
TOTAL	63

Procedures for reviewing, up-dating, modifying or terminating agreement:

Both colleges will confer every three years to review the agreement. Any changes or modifications to program requirements will be reported to the other college subsequent to the date of the change or modification. The agreement will then be updated accordingly. Given notification, both colleges have the right to terminate the agreement at any time.

Procedures for evaluating agreement, e.g., tracking the number of students who transfer under the articulation agreement and their success:

The CUNY-developed data warehouse will be used to track Bronx Community College transfers to CUNY Senior Colleges, including student performance (credit accumulation and GPA) and persistence (retention and graduation).

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

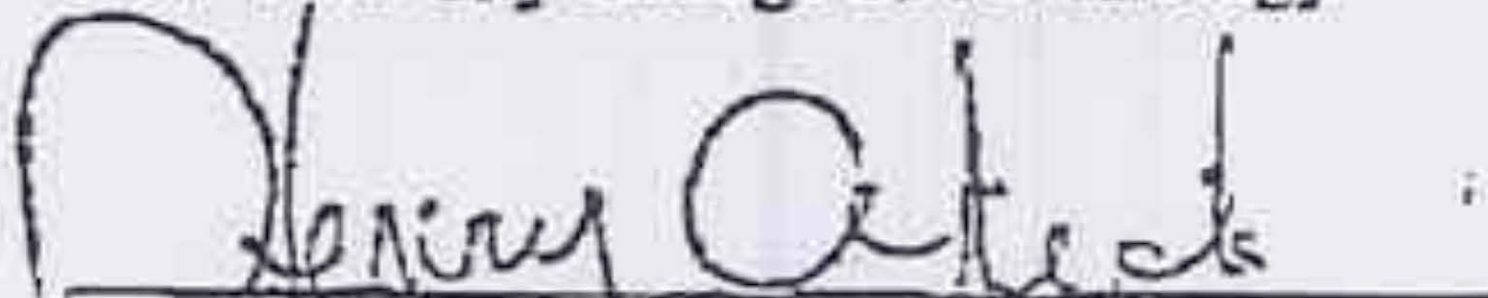
Notice of articulation will be placed in the respective catalogs, recruiting brochures, websites, and on CUNY's TIPPS website. Respective transfer advisers will be informed and provided with copies of the agreement.

Additional Information:

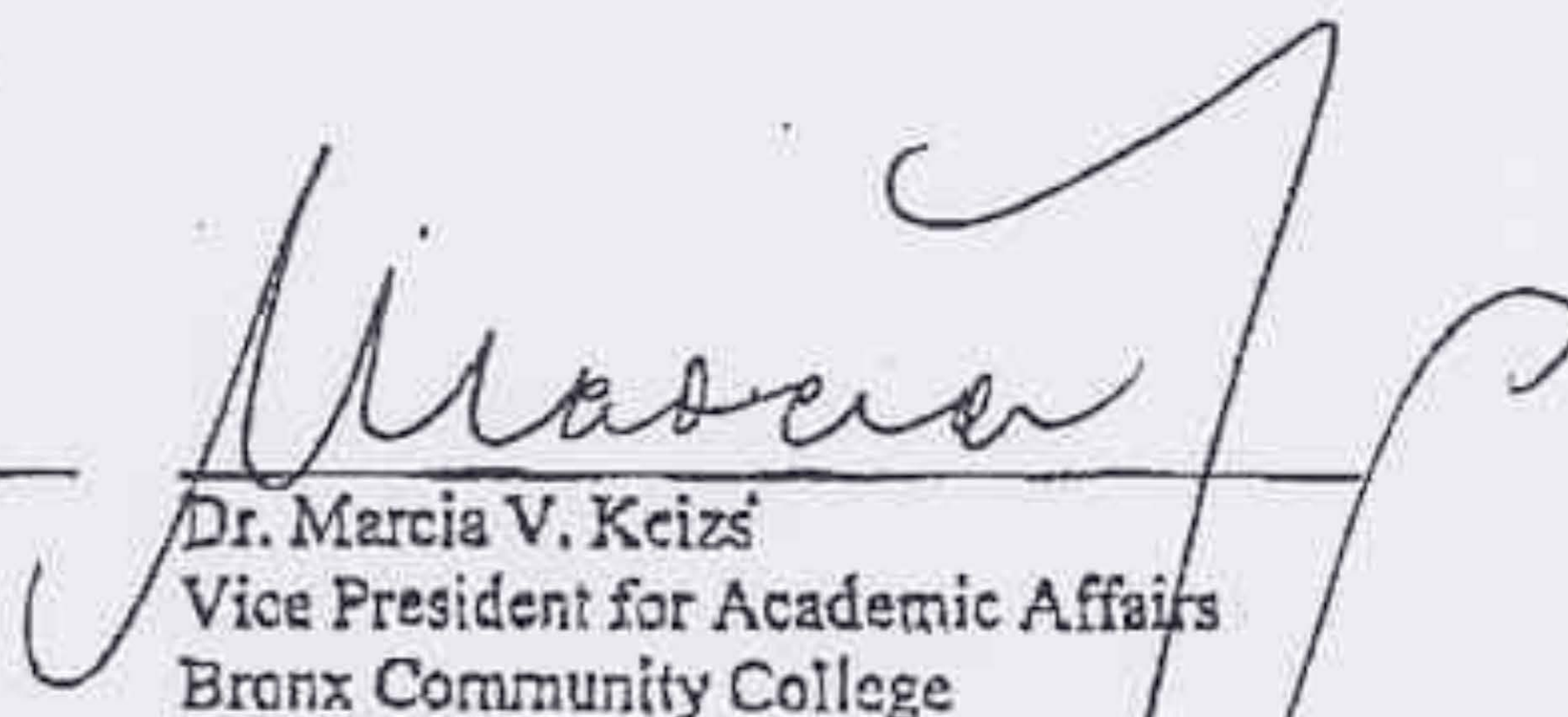
Effective Date: Fall 2004



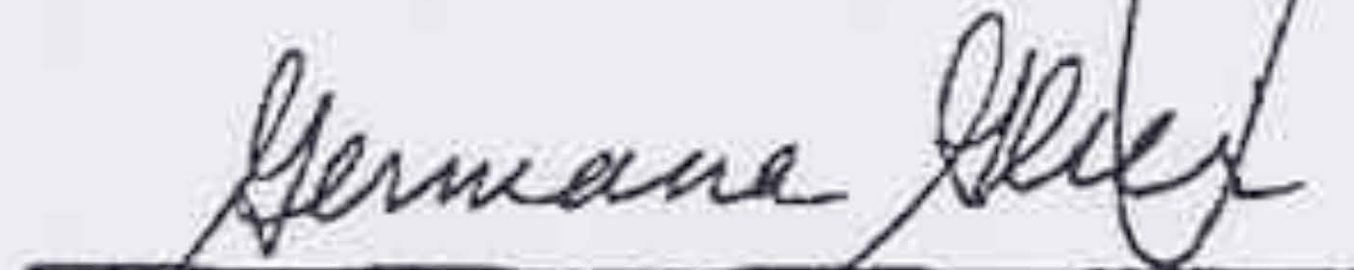
Dr. Joann LaPerla
Provost
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Dr. Henry Africk
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