

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

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

Sending College: Borough of Manhattan Community College

Department: Mathematics

Program: Mathematics

Degree: Associate in Science

Receiving College:

Department: Mathematics

Program: Applied Mathematics-(Financial Science)

Degree: Bachelor of Science

Admission requirements for senior college program (e.g., minimum GPA):
Students who successfully complete BMCC's Associate in Science (AS) degree in Mathematics with a minimum GPA of 2.0 will have a total of 60 credits transferred toward the baccalaureate degree and enter New York City College of Technology with junior status. The total additional credits required at the senior college for the students to complete the baccalaureate degree in Applied Mathematics (Financial Science) will be 60.

BOROUGH OF MANHATTAN COMMUNITY COLLEGE

Articulation Agreement between BMCC and New York City College of Technology

Mathematics (MAT)		
General Requirements		
ENG 101	English Composition I	3
ENG 201	English Composition II	3
HED 100	Health Education	2
XXX xxx	Modern Foreign Language ¹	6-8
XXX xxx	Music or Art ²	2
SPE 100	Fundamentals of Speech	3
XXX xxx	Science ⁴	8
XXX xxx	Social Science ⁵	6
XXX xxx	Electives	3-4
Total General Credits		36-39

Curriculum Requirements		
MAT 301	Analytic Geometry and Calculus I	4
MAT 302	Analytic Geometry and Calculus II	4
MAT 303	Analytic Geometry and Calculus III	4
MAT 315	Linear Algebra	3
Total Program Credits		15

Program Electives		
Choose 3 or more courses for a total of 9 credits		
MAT 209	Statistics	4
MAT 320	Abstract Algebra	3
MAT 501	Differential Equations	3
MAT 505	History of Mathematics	3
MAT 601	Advanced Calculus	4
CSC 210	Computer Programming II	4
Total Elective Credits		9
Total Program Credits		60-63

1 A two-semester sequence in the same language is required. For students who are native speakers of Chinese, French, Italian, or Spanish, testing and placement by the Modern Language Department is required.

2 Some Music courses are one credit. A total of two credits is required.

3 For students whose first language is not English, SPE 102 will also satisfy this requirement.

4 Choose from PHY210-220; PHY215-225; CHE 210-220; or BIO 210-220.

5 Choose two courses from anthropology, economics, geography, history, philosophy, political science, psychology, sociology, or any Ethnic Studies social science course.


**UPPER DIVISION COURSES
REMAINING FOR BMCC MATH MAJORS**

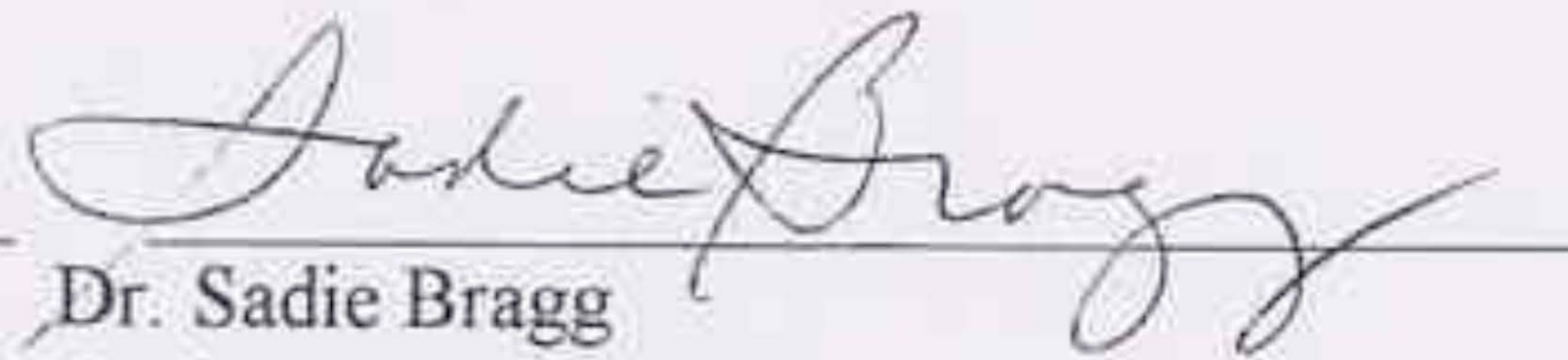
Course and Title

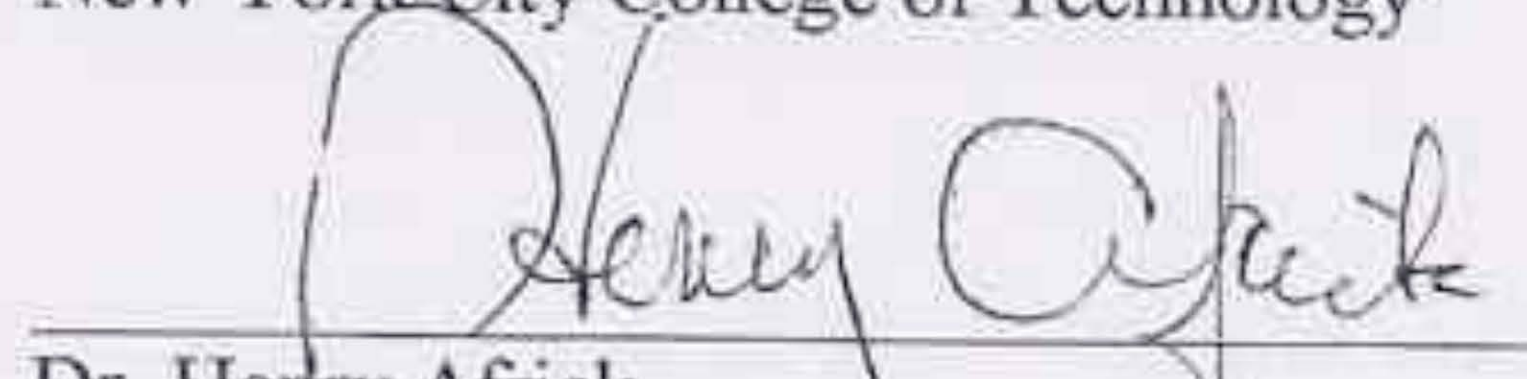
Credits


<i>Liberal arts and other Required Course</i>	
ENG 533 Advanced Technical Writing	3
EN 301 Money & Banking or EN 401 Microeconomics	3
SUBTOTAL	6
<i>Major Courses</i>	
CS 304 Database programming	3
CS 503 ++ Programming	3
CS 504 Microcomputer Database	3
CS 550 Data Structures	3
CS 603 Object Oriented Programming	3
CS 604 Distributed Database	3
MA 630 Numerical Methods	3
MA 490 Intro to Financial Math	3
MA 440 Discrete Math I or MA 680 Differential equations	3
MA 672 Probability and Statistics II	4
MA 772 Stochastic Processes	3
MA 872 Probability and Statistics III	4
MA 770 Math Modeling: Optimization	3
MA 880 Math Modeling: Dynamic	3
Applied Math Elective	3
Applied Math Elective	3
MA 900, MA 901 Internshipss	4
SUBTOTAL	54
TOTAL	60

Effective Date: Fall 2005


Dr. Bonne August
Acting Provost
New York City College of Technology


Dr. Sadie Bragg
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Borough of Manhattan Community College


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