



**THE CITY UNIVERSITY OF NEW YORK
ARTICULATION AGREEMENT**

SENDING AND RECEIVING INSTITUTIONS

Sending College: Eugenio Maria de Hostos Community College (HCC)
Department: Mathematics
Program: Mathematics
Degree: Associate in Science

Receiving College: New York City College of Technology (NYCCT)
Department: Mathematics
Program: Mathematics Education
Degree: Bachelor of Science

ADMISSION REQUIREMENTS FOR THE BS IN MATHEMATICS EDUCATION

- Associate in Science Degree in Mathematics from Eugenio Maria de Hostos Community College.
- Grade of C or higher in all MAT and EDU courses
- Minimum cumulative GPA of 2.7*

* Exceptions can be granted by the Director of the Mathematics Education Program at the New York City College of Technology upon review of the applicant transcript, application form and interview.

Total transfer credits granted toward the baccalaureate degree: 60

Total additional credits required at the senior college to complete baccalaureate degree: 63

COURSES TRANSFERRED FROM EUGENIO MARIA DE HOSTOS COMMUNITY COLLEGE

Students transferring from HCC with an Associate's Degree in Mathematics shall enter the Bachelor of Science in Mathematics Education program at NYCCT as juniors. They will have the following courses transferred to NYCCT.

COURSE-TO-COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

Eugenio Maria de Hostos Community College		New York City College of Technology	
Course and Title	Credits		Credits Granted
ENG 110 English Composition I (Required Common Core)	3	ENG 1101 English Composition I	3
ENG 111 Literature and Composition (Required Common Core)	3	ENG 1121 English Composition II	3
Choose one of the following: BIO 210 General Biology I CHE 210 General Chemistry I PHY 210 General Physics I (Life and Physical Sciences)	4	BIO 1101 Biology I or CHEM 1110 General Chemistry I or PHYS 1433 General Physics I: Algebra Based Life and Physical Sciences	4
Choose one of the following: BIO 220 General Biology II CHE 220 General Chemistry II PHY 220 General Physics II (Scientific World)	4	BIO 1201 Biology II OR CHEM 1210 General Chemistry II OR PHY 1434 General Physics I: Algebra Based (Scientific World)	4
PSY 101 General Psychology (Individual and Society)	3	PSY 1101 Introduction to Psychology	3
VPA 192 Fundamentals of Public Speaking (Creative Expression)	3	COM 1330 Public Speaking	3
Foreign Language (World Cultures and Global Issues)	3-6	Foreign Language	3-6
History	3	US Experience in its Diversity or World Cultures and Global Issues	3
Additional flexible core course to satisfy Pathways requirements	0-3	Additional flexible core course	0-3
MAT 210 Calculus I Mathematical and Quantitative Reasoning	4	MAT 1475 Calculus I	4
MAT 220 Calculus II	4	MAT 1575 Calculus II	4
MAT 310 Calculus III	4	MAT 2675, Calculus III	4
MAT 320 Linear Algebra with Vector Equations	3	MAT 2580 Linear Algebra	3
MAT 360 Ordinary Differential Equations	3	MAT 2680 Differential Equations	3

Credits to reach 60 credits from the following free electives (13):			
EDU 101 Foundations of Education	3	MEDU 1010 Foundations of Mathematics Education	3
EDU 117 Adolescent Development OR EDU 116 Child Development	3	EDU2610 Child and Adolescent Development	3
EDU 150 Introduction to Special Education	3	EDU2455 Methods and Materials for Special Needs Students	3
EDU 130 Teaching in the Multicultural/Multilingual Classroom	3	EDU 3670: Methods of Literacy Instruction	3
EDU 140 Instructional Strategies for Middle and High School	3	EDU 3610 Human Learning and Instruction	3
TOTAL	60		60

Students that transfer to NYCCT after earning the AS in Mathematics at HCC by completing the 60 credits shown, will be required to satisfactorily complete the following 66 credits at NYCCT in order to earn the BS in Mathematics Education.

SENIOR COLLEGE COURSES REMAINING FOR COMPLETION OF BACCALAUREATE DEGREE

Course and Title	Credits
Mathematics Core Content Courses	
MAT 2071 Introduction to Proofs and Logic	4
MAT 2630 Numerical Methods	3
MAT 2572 Probability and Mathematical Statistics I	4
MAT 3021 Number Theory	4
MAT 3050 Geometry I	4
MAT 3075 Introduction to Real Analysis	4
MAT 3080 Modern Algebra	4
MAT 4050 Geometry II	3
MAT 4030 History of Mathematics	3
PEDAGOGICAL CORE	
Specialized Pedagogical Courses	
MEDU 1021 Teaching and Learning Strategies for Mathematics Teachers	3
MEDU 2010 Technology in Mathematics Education	2
MEDU 3011 Methods of Teaching Middle School Mathematics	4
MEDU 3020 Methods of Teaching Secondary School Mathematics	4
MEDU 4040 Supervised Student Teaching and Seminar in Middle and High School Mathematics	9
Common Pedagogical Core	