THE CITY COLLEGE

of
The City University of New York
138ᵗʰ Street & Convent Avenue
New York, New York 10031

School of Education
M.S. in Education - Middle School Mathematics

PROFESSIONAL CERTIFICATE PROGRAM in Middle School Mathematics Education
Prof. D. A. Stylianou**,** Program Director   Office: NAC 3/209C   Tel: 212-650-5037   Fax: 212-650-6970

This program is intended for students with a minimum of 15 semester hours of mathematics, including Calculus I, and who are initially certified by New York State or are eligible for such certification. This program leads to NYS Professional Certification to teach as a mathematics specialist in New York State middle schools (grades 5-9) for those candidates that enter with middle school mathematics certification. It leads to initial certification in middle school mathematics for those candidates who enter with initial certification in another area. Candidates who have not met the NYS student teaching requirement for middle school mathematics will be required to complete EDUC 0600G in addition to the program. Candidates who enter with less than 15 credits of mathematics will need to complete additional mathematics coursework.

NAME: _____   **Matriculation Date:** _____   **SS#:** _____

Matriculation Conditions

A. Official Transcript and statement of graduation from _____ must be on file by _____.
B. Education/Mathematics _____
C. Student Teaching _____.
D. Other: _____

Advanced Standing (*maximum* 6 Credits)

COURSE #	Description	Credits	Term Taken	GRADE

All students must take the following courses (9 credits)

COURSE #	Description	Credits	Term Taken	GRADE
EDSE 6103E	Teaching and Learning Middle School Mathematics	3		
EDSE 6401E	Curriculum, Assessment, and Instruction in Mathematics Education	3		
SPED 5000K	Intro to Inclusive Education* This course will be replaced by an elective if student has completed SPED 5000K or equivalent. A replacement might be SPED 5300K.	3		

  *Candidates who are not teaching middle school mathematics must complete EDSE 6100E (4 credits) and EDSE 6400E (4 credits).

Required Mathematics (9 credits) and Mathematics Education Core (3 credits) : Total 12

COURSE #	Description	Credits	Term Taken	GRADE
EDSE 2700E	Middle and Early High School Mathematics: Teaching Developmentally	3		
MATH 4600C	Introduction to Mathematical Thinking	3		
MATH 4700C	Mathematics Foundations of Arithmetic	3		
MATH 4800C	Mathematics Foundations in Algebra and Geometry	3		

GRADUATE PROGRAM OF STUDY   **PROFESSIONAL CERTIFICATE PROGRAM in Mathematics Education**

Additional mathematics or education electives **with prior approval of advisor** (6 credits)

COURSE #	Description	Advisor Approval	Credits	Term Taken	GRADE

Education Research Requirements Select on of the following options under advisement. (3-4 credits)

EDUC 7000I AND EDUC 7100I	Introduction to Educational Research AND Independent Study and Research in Mathematics	2 2		
OR EDSE 7200I	OR Master's Project – Permission of the instructor must be obtained prior to registration.	3		
OR EDSE 7201I	OR Action Research in Mathematics Education – Pre-requisite EDSE 6102E or EDSE 6203E or permission of the instructor.	3		

Total Credits 30-31

Additional coursework for candidates who have not met the student teaching requirement for middle school mathematics or who need additional mathematics coursework. (1 -9 credits)

COURSE #	Description	Credits	Term Taken	GRADE
EDUC 7600G	Teaching Practicum (If not currently teaching middles school mathematics)	3		
EDUC 1900G	Child Abuse and Health Education Seminar	0		
Or				
EDSE 8202N	Supervised Teaching Practicum (for teachers of middle school mathematics)	1		
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- *All students must complete an electronic portfolio prior to graduation.*
- *Passing a Qualifying Examination is required for students whose grade point average is less than 3.0 at the completion of the above program.*
- *Students must demonstrate competence in the following content areas: Number Theory, Algebra, Geometry, Discrete Mathematics / Data Analysis, and Calculus.*
- *Students must submit scores from the New York State Teachers Exams.*
- *If the student is not certified in as a middle school mathematics specialist, then he or she must have completed a supervised middle school student teaching experience or practicum prior CCNY's recommendation for certification. If experience is prior to the program, documentation must be provided.*

Test	Date Taken	Total Score	Subarea 1	Subarea 2	Subarea 2	Subarea 4	Subarea 5
ALST							
EAS							
CST							