



**THE CITY COLLEGE**

of  
**The City University of New York**  
 138<sup>th</sup> Street & Convent Avenue  
 New York, New York 10031

**School of Education**  
**M.A. IN MATHEMATICS EDUCATION**

**PROFESSIONAL CERTIFICATION PROGRAM in Adolescent Education - Mathematics 7-12**

*This program is intended for students who hold New York State initial certification in mathematics 7-12 or the equivalent. The program meets the master's degree requirements for professional NYS certification to teach mathematics in grades 7-12.*

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NAME:       Matriculation Date:       SS#:

**Matriculation Conditions**

- A. Official Transcript and statement of graduation from \_\_\_\_\_ must be on file by \_\_\_\_\_.
- B. Education/Mathematics \_\_\_\_\_
- C. Other: \_\_\_\_\_

**Advanced Standing (maximum 6 Credits)**

COURSE #	Description	Credits	Term Taken	GRADE

**Mathematics Education Core (3-6 credits)**

COURSE #	Description	Credits	Term Taken	GRADE
EDSE 6401E	Curriculum, Assessment, and Instruction in Mathematics Education	3	SP	
SPED 5000K	Intro to Inclusive Education*	3		

**Mathematics and Mathematics Education Requirements (15 credits)\***

Choose five of the following mathematics education and mathematics courses, under advisement.  
 Must include a **minimum of 6 credits** from the Mathematics category.

**Mathematics Education**

COURSE #	Description	Credits	Term Taken	GRADE
EDSE 2700E	Middle and Early High School Mathematics: Teaching Developmentally	3		
EDSE 6102E	Teaching and Learning Secondary School Mathematics	3	FA	
EDSE 6200E	Teaching Problem Solving Strategies in Mathematics	3		
EDSE 6300E	Enriching the Teaching of Secondary School Mathematics	3		
EDSE 6600E	Strategies for Using Computers in the Mathematics Class	3		
EDSE 6800E	Teaching Mathematics Using Graphing Utilities	3		
EDSE 6900E	The Teaching of Calculus	3		
MATHE 1000E	History of Mathematics	3		

**Mathematics – Course selection must be approved by an advisor.**

COURSE #	Description	Credits	Term Taken	GRADE

**Elective Requirements (6-9)**

Complete 6 credits of coursework with prior approval of your advisor. Note: Graduate coursework required for initial certification may not be used to fulfill this elective requirement.


**Education Research Requirements (3-4 credits)**

<b>EDUC 7000I</b>	Introduction to Educational Research	2	SP	
<b>AND</b>	<b>AND</b>			
<b>EDUC 7100I</b>	Independent Study and Research in Education	2	FA	
<b>OR</b>	<b>OR</b>			
<b>EDSE 7200I</b>	Master’s Project (Must have approval of instructor prior to registration.)	3		

Total Credits: 30-31

- 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.

\*This course will be replaced by an elective if student has completed SPED 5000K or equivalent. A comparable course is SPED 5300K.