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

School of Education

MASTERS OF ARTS IN MATHEMATICS EDUCATION

Initial Adolescent (7-12) Certification Program in Mathematics Education

This program is intended for those students with an undergraduate major in mathematics -- or the equivalent -- who lack the coursework in education necessary for certification. The program leads to initial NYS certification to teach secondary school mathematics and fulfills the education requirement for professional certification.

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

All students must take the following courses (30 credits)

COURSE #	Description	Credits	Term Taken	GRADE
EDUC 7500A	Adolescent Learning & Development	3		
EDSE 7600A	Issues for Secondary School Teachers: Second Language Acquisition and Literacy	2	FA	
EDSE 1200E	Reading and Writing Across the Curriculum	3	SP	
SPED 5000K	Intro to Inclusive Education	3		
EDSE 6100E	Teaching Mathematics in Secondary Schools	4	FA	
EDSE 6400E	Curriculum Development in Secondary School Mathematics	4	SP	
EDSE 7600G	Teaching Practicum in the Secondary School*	3		
EDSE 7603G	Seminar in Teaching Secondary School *	2		
EDUC 1900G	Child Abuse & Health Seminar*	0		
MATHE 6000C	High School Mathematics from an Advanced Perspective	3		
MATHE 1000E	History of Mathematics	3		

*EDSE 7600G, EDSE 7603G and EDUC 1900G have to be taken concurrently during the last semester of the program and only after applying for permission and demonstrating proficiency in the content area by having a passing score on the CST State Examination

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

Choose **two** elective courses **with approval of your advisor** (6 credits)

COURSE #	Description	Credits	Term Taken	GRADE
EDSE 2700E	Middle and Early High School Mathematics: Teaching Developmentally	3		
EDSE 6200E	Teaching Problem Solving Strategies in 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 ___		3		
MATHE ___		3		

Education Research Requirements (3-4 credits)

EDUC 7000I **AND**	Introduction to Educational Research	2		
	AND			
EDUC 7100I	Independent Study and Research in Education	2		
OR				
EDSE 7200I	Master's Project (Must have approval of instructor prior to registration.)	3		

Total Credits   39-41

Passing a Qualifying Examination is required for students whose grade point average is less than 3.0 at the completion of the above program.
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.