Graduate Admissions

Mathematics Education

Master of Science in Education

Grades 5-9

The graduate program for middle and high school mathematics education leads to a Master of Science in Education degree. Registered with the State Education Department, this program leads to both Initial and Professional Certification for graduate candidates seeking to teach mathematics in grades 5-9, provided all other requirements have been satisfied.

ADMISSIONS REQUIREMENTS

- Official transcripts from **all** post-secondary institutions attended
  - Have attained a bachelor's degree or its foreign equivalent from an accredited college or university
  - Have attained a minimum undergraduate grade point average of 3.0
  - Completed at least 18 credits of mathematics coursework, that include:
    - Calculus I and II
    - An overall undergraduate grade point average of 3.0 or better in all mathematics courses taken
  - Minimum GPA of 3.0. or better
- **Sequence 2:** must hold a valid Transitional B Certificate from N.Y.S.E.D
- Two letters of recommendation
  - At least one of which is from a college or university instructor of mathematics
- Current professional resume
- A 500-word essay outlining intellectual and academic interests, accomplishments, and career objectives
- A personal Interview
- If conditionally admitted, make up requirements starting in the first semester and finishing in no more than three consecutive semesters

Note: Consult with program coordinator to plan courses and receive course approvals prior to or during registration each semester.

To be eligible for the Master's in Mathematics Education for Grades 5 – 9, candidates must fall into one of the following categories:

- **Sequence 1 (36-42 credits):**
  - For liberal arts and sciences graduates who have completed 18 credits in mathematics, including Calculus I and Calculus II, but who lack professional education coursework
- **Sequence 2 (35-38 credits):**
  - For teachers who hold a Transitional B certificate in Mathematics from New York State through special CUNY and N.Y.C.D.O.E. programs

DEGREE REQUIREMENTS FOR GRADES 5-9

Complete one of the two sequences outlined below and maintain a minimum B average

Sequence 1

Core Education Courses (17-18 credits)		**Credits**
ESC 501	Psychological Foundations of Education	3 credits
ESC 502	Historical Foundations of Education: A Multicultural Perspective	3 credits
ESC 532	Teaching Mathematics in Middle and High School	3 credits
ESC 506	Special Needs Education in Secondary Settings	3 credits
ESC 595	Internship in Mathematics	2 credits
ESC 611	Internship Seminar	1 credit
	OR	
ESC 596	Student Teaching in Mathematics	3 credits
ESC 612	Student Teaching Seminar	3 credits

Pedagogical Core in Mathematics Education (9 credits)		**Credits**
ESC 740	Project Seminar in Curriculum, Materials, and Assessment in Specialized Areas	3 credits
ESC 742	Internship in Classroom Teaching	3 credits
ESC 748	Student Teaching in the Middle and High School Grades	3 credits

Mathematics (12 credits)		**Credits**
MAT 601	Secondary Mathematics from an Advanced Standpoint	3 credits
MAT 602	Introduction to number theory & Modern Algebra	3 credits
MAT 655	Exploring Mathematics using Technology	2 credits
MAT 661	History of Mathematics	4 credits

Culminating Experience (0-3 credits)		**Credits**
ESC 706	Research in Problems of Teaching a Specialized Subject	1 credit
ESC 707	Project Seminar	2 credits
	OR	
	Comprehensive Examination	0 credit

Sequence 2

Core Education Courses (16 credits)		**Credits**
ESC 501	Psychological Foundations of Education	3 credits
ESC 502	Historical Foundations of Education: A Multicultural Perspective	3 credits
ESC 532	Teaching Mathematics in Middle and High School	3 credits
ESC 506	Special Needs Education in Secondary Settings	3 credits
ESC 595	Internship in Mathematics	1 credit
ESC 612	Seminar in Secondary Student Teaching	3 credits

Pedagogical Core in Mathematics Education (9 credits)		**Credits**
ESC 740	Teaching Mathematics in Grades 7-10	3 credits
ESC 742	Research in Mathematics Education	3 credits
ESC 748	Teaching Problem Solving in Mathematics in Middle and High School	3 credits

Mathematics (12 credits)		**Credits**
MAT 601	Secondary Mathematics from an Advanced Standpoint	3 credits
MAT 602	Introduction to Number Theory & Modern Algebra	3 credits
MAT 655	Exploring Mathematics using Technology	2 credits
MAT 661	History of Mathematics	4 credits

Culminating Experience (0-3 credits)		**Credits**
ESC 706	Research in Problems of Teaching a Specialized Subject	1 credit
ESC 707	Project Seminar	2 credits
	OR	
	Comprehensive Examination	0

Questions about the program?

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Questions about admissions?

The Office of Graduate Admissions
http://www.lehman.edu/admissions