



## Mathematics Education

### Advanced Certificate

(25-27 Credits)

This program is designed for candidates who hold a bachelor's degree in mathematics and a master's degree in mathematics or in an approved mathematics-related field, and who seek New York State Certification in mathematics, grades 7-12.

#### ADMISSIONS REQUIREMENTS

- Official transcripts from **all** post-secondary institutions attended
  - Possess a bachelor's degree (or its equivalent) from an accredited college or university that meets New York State's requirements for a general education core in liberal arts and sciences
  - Degree shall include a mathematics major, with a minimum of 36 credits in mathematics
  - Have attained a minimum undergraduate grade point average of 3.0
- Possess an a master's degree in mathematics or an approved mathematics-related field
  - Master's Grade Point Average of 3.0 or better
- Satisfy the content requirements for New York State initial certification
- Submit two (2) letters of recommendation
- A 500-word essay that explains interest in pursuing this area of study and future career plans
- Satisfy the content requirements for New York State initial certification
- Participate in an interview
- Meet additional Departmental, divisional, and New York State requirements, if any
- If conditionally admitted, make up requirements starting in the first semester and finishing in no more than three consecutive semesters
- Submit scores of the Graduate Record Examination (GRE) revised general test, i.e., verbal reasoning, quantitative reasoning, and analytical writing

#### Questions about the program?

Dr. Celia Cruz

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#### Questions about admissions?

The Office of Graduate Admissions

<http://www.lehman.edu/admissions>

## CURRICULUM

The 25-27 credit certificate curriculum consists of three instructional areas:

### I. Foundations of Education (9 credits):

		<b>Credits</b>
ESC 501	Psychological Foundations of Education	3
ESC 502	Historical Foundations of Education: A Multicultural Perspective	3
ESC 506	Special Needs Education in TESOL and Secondary Settings	3

### II. Methods, Curriculum, and Instruction (12 credits):

		<b>Credits</b>
ESC 532	Teaching Mathematics in Middle and High School	3
ESC 740	Teaching Mathematics in Grades 7-10	3
	AND	
	Mathematics Education	6

*Mathematics Education: 6 additional credits in mathematics education to be selected in consultation with the program coordinator*

### III. Practicum (5-6 credits):

		<b>Credits</b>
ESC 595	Internship in Classroom Teaching	1-3
	OR	
ESC 596	Student Teaching in the Middle and High School Grades	3
	AND	
ESC 612	Seminar in Secondary Student Teaching	3