

Queens College
Secondary Education and Youth Services (SEYS)

MSED in Teaching Mathematics and Computer Science

Powdermaker Hall 150

718-997-5150

PLEASE CHECK WITH ADVISOR FOR UPDATES TO THE PROGRAM.

Mathematics Education Advisors:	Dr. Alice Artzt	718-997-5169	alice.artzt@qc.cuny.edu
	Dr. Theresa Gurl	718-997-5063	theresa.gurl@qc.cuny.edu
	Dr. Mara Markinson	718-997-5155	mara.markinson@qc.cuny.edu
Computer Science Advisor:	Dr. Zhigang Xiang	718-997-3566	zhigang.xiang@qc.cuny.edu

Program Admission Requirements:

- A bachelor's degree in mathematics and in secondary mathematics education from an accredited college or university;
- At least a **3.0** cumulative grade point average in mathematics and secondary education courses;
- New York State Initial Certificate in Mathematics, Grades (7-12);
- A beginning course in Java or C++

Program Course Requirements:

The program consists of 33 credits: 15 credits in Mathematics/Computer Science Education and 18 credits in Computer Science.

Graduate studies in Mathematics/Computer Science Education

Course Number	Title	Credits	Date Taken
SEYS 701-708 (Select one not 706)	Educational Foundations: Social, cultural, historical, and philosophical	3	
SEYS 709-710, 717-719, 768 (Select one)	Educational Psychology	3	
SEYS 751	Curriculum/Methods Course in Secondary Mathematics Education (Taken before SEYS 775)	3	(spring only)
SEYS 775	Research in Mathematics Education I Prereq. SEYS 751	3	(fall only)
SEYS 776	Research in Mathematics Education II Prereq. SEYS 775	3	(spring only)

SEYS 775 should only be taken after a minimum of 20 credits have been taken in the program.

Graduate studies in Computer Science

Course Number	Title	Credits	Date Taken
CSCI 611	Advanced Programming in C++ (Prereq: CSCI 111 or 112)	3 (2 hr. lec. 2 hr. lab)	
CSCI 612	Advanced Programming in Java (Prereq: CSCI 111 or 112)	3 (2 hr. lec. 2 hr. lab)	
CSCI 613	Data Structures (Prereq: CSCI 611, 612, and 620)	3	
CSCI 620	Discrete Structures (Prereq: CSCI 111 or 112; Math 120 or 220; and Math 141 or 151)	3	
CSCI 640	Computer Organization and Assembly Language (Prereq.: CSCI 111 or 112)	3	
CSCI 655	Internet and Web Technologies (Prereq.: CSCI 613)	3	