Queens College
Secondary Education & Youth Services (SEYS)

MSEd in Teaching Math & Computer Science

PLEASE CHECK WITH ADVISOR FOR UPDATES TO THE PROGRAM.

SEYS advisors:

Dr. Theresa Gurl	718.997.5063	Theresa.Gurl@qc.cuny.edu
Dr. Alice Artzt	718.997.5169	Alice.Artzt@qc.cuny.edu

Computer science advisor:

Xingying Chyn	718-997-3501	Xingying.chyn@qc.cuny.edu

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

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++

Courses in Education:

Course Number	Title	Credits	✓ Check when completed
SEYS 701-708 (Select one, not 706) Fall or Spring	Educational Foundations: Social, Cultural, Historical, and Philosophical	3	
SEYS 709-710, 717-719, 768 (Select one) Fall or Spring	Educational Psychology	3	
SEYS 751 Spring only	Mathematics in the Secondary School **Note**: Before registering for this course, both the Educational Foundations and Educational Psychology course AND most of your Computer Science coursework should be completed.	3	
SEYS 775 Fall only **Prereq: SEYS 751**	Seminar in Research in Mathematics Education I	3	
SEYS 776 Spring only **Prereq: SEYS 775**	Seminar in Research in Mathematics Education II	3	

SEYS 775 should only be taken after a minimum of 20 credits have been taken in the program. SEYS 775 and 776 should be the final courses in the program.

Courses in Computer Science:

Course Number	Title	Credits	✓Check when completed
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	