Queens College
Secondary Education & Youth Services (SEYS) | MSEd in Secondary Mathematics

SEYS advisors:

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Math advisor:

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The program consists of 30 credits: 15 credits of 700-level education coursework and 15 credits of 500-700 level coursework in mathematics.

A minimum GPA of 3.0 is required to enter and remain in the program.

To enter the program, candidates must have completed an undergraduate program in secondary mathematics education, or the equivalent. They must have their New York State Initial Certificate, Grades 7-12, Mathematics, and it is preferable that they are teaching.

Note that students who majored in mathematics (or the equivalent) but did **not** take any courses in secondary education should apply for the Post-Bac Initial Certificate Program or the MAT program in which they will be required to take 21 credits of prerequisite study in education (SEYS 536, 552, 561, 571.2, 571.4, 581, 700), Math 585, and 3 credits in special education.

Courses in Mathematics 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 Mathematics 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.

Recommended* **Courses in Mathematics:**

Course Number	Title	Credits	✓Check when completed
Math 524	History of Math	3	
Math 621, Math 633, Math 636	Probability, Statistical Inference, Combinatorial Theory	3	
Math 518 or Math 618	College Geometry, Foundations of Geometry	3	
Math 601, 605, 617	Abstract Algebra, Number Theory, Number Systems	3	
Math 503, 509, 626, 505, 555, 582, or 590.x (Select One)	Math from an Algorithmic Standpoint, Logic and Set Theory, Mathematics and Logic, Problem Solving, Games and Puzzles, Numbers and their Representations, Studies in Mathematics	3	

***Students' programs are adjusted according to their specific backgrounds and needs. Students may take ANY math courses at the 500-level or above that they have not taken before.**