

**Queens College**  
**Secondary Education and Youth Services (SEYS)**

**M.S. in Secondary Science and Bilingual Education**

Powdermaker Hall 150

718-997-5150

**PLEASE CHECK WITH ADVISOR FOR UPDATES TO THE PROGRAM.**

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Master of Science in Education (MSEd) in Science and Bilingual Education (Grades 7-12) is a 33 credit program designed for students who have attained an initial certification in Biology, Chemistry, Earth Science, or Physics (grades 7-12) and are themselves proficient in a Language Other Than English (LOTE) who wish to gain professional certification as secondary science teachers as well as a bilingual extension.

The program provides coursework in education, science education and bilingual education as well as guided field experiences to prepare these teachers for the special challenges of teaching science to English language learners who are bilinguals in mainstream as well as bilingual classrooms. The 33-credit course of study required leads to professional certification in either Biology, Chemistry, Earth Science, or Physics (grades 7-12) as well as the New York State Bilingual Extension (7-12). **A total of 50 hours of fieldwork experience is required.**

**Graduate studies in Science Education**

Course Number	Title	Credits	Date Taken
SEYS 758	Cognition in Learning Science and Mathematics	3	
SEYS 753	Digital Applications in Science Education	3	
SEYS 754 or SEYS 756	-Curriculum Innovations in Science Education -Mobile Science: Data-Based Decision Making	3	
SEYS 777	Seminar in Research in Science Education I	3	
SEYS 778	Seminar in Research in Science Education II	3	
GEOL 552 or Course Substitution	GLOBE® Program Environmental Research (Course substitution to be determined with program advisor)	3	

**Graduate studies in Bilingual Education**

Course Number	Title	Credits	Date Taken
SEYS 715	Language Acquisition and Learning for Bilingual Students (Fieldwork: 10 hours)	3	
SEYS 716	Bilingual Education: Theories and Practices (Fieldwork: 10 hours)	3	
SEYS 720	Education of Immigrant Students in the U.S. (Fieldwork: 10 hours)	3	
SEYS 744	Methods and Materials in Teaching English to Speakers of Other Languages in the Content Areas (Fieldwork: 10 hours)	3	
SEYS 745 pre-req: SEYS 715 & SEYS 744	Reading and Writing for Diverse Learners in Content Areas (Fieldwork: 10 hours)	3	