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	Semester Completed
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	

Courses in Bilingual Education:

Course Number	Title	Credits	Semester Completed
SEYS 715 **OR** EECE 767	SEYS 715 Language Acquisition and Learning for Bilingual Students OR EECE 767 Pedagogical Practices in the Multilingual Classroom	3	
SEYS 744 **OR** EECE 764 Spring only	SEYS 744 Methods and Materials in Teaching English to Speakers of Other Languages in the Content Areas. OR EECE 764 Instruction and Assessment Across the Curriculum for Bilingual Learners Fieldwork: 25 hours	3	
SEYS 716 OR EECE 761 Fall only	SEYS 716 Bilingual Education: Theory and Practice. OR EECE 761 Foundations of Bilingual Education and Bilingualism	3	
SEYS 745 **OR** EECE 769 **&** EECE 771 Fall only	SEYS 745 Reading and Writing for Diverse Students in Secondary Content Areas OR EECE 769 Teaching for Biliteracy AND EECE 771 Biliteracy Project Fieldwork: 25 hours	3	
EECE 766 Summer & winter	Educational Linguistics and Psycholinguistics	3	