

Queens College
Secondary Education & Youth Services (SEYS)

Undergraduate Science Education Initial Certificate

BIOL712-BA

CHEM712-BA

GEOL712-BA

PHYS712-BA

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Undergraduate students must have completed at least 15-20 credits in a traditional science major (biology, chemistry, geology, physics) with a minimum average of 2.75 in order to declare their major. Qualified students must have a major form signed by the appropriate science department advisor and a similar form signed by an advisor in SEYS (PH 150). The forms should be submitted by the upper sophomore/lower junior year. Candidates must earn a minimum letter grade of B in 362 and student teaching.

Course Number	Title	Pre-requisites and Co-Requisites	Credits	Fieldwork Required
SEYS 201W (Spring or Fall)	Historical, Social and Philosophical Foundations of Education	Major Declared	3	25 Hours Fieldwork
SEYS 221 (Spring or Fall)	Development and Learning in Middle Childhood & Adolescence	Major Declared	3	25 Hours Fieldwork
ECPSE 350 (Spring or Fall)	Foundations of Special Education	Major Declared	*3	15 Hours of Fieldwork
SEYS 340 (Spring or Fall)	Language, Literacy, and Culture In Education	Pre-requisite: SEYS 201W	3	25 Hours Fieldwork
SEYS 362 (Spring only)	Methods in Teaching Science in Middle and High School	Pre-requisite: SEYS 201W, SEYS 221	3	25 Hours Fieldwork
SEYS 350 (Fall only)	Cognition, Technology and Instruction for Diverse Learners	Pre-requisite: SEYS 221	3	25 Hours Fieldwork (No fieldwork if taken in the same semester as ICE)
SEYS 372.2** (Fall only)	Initial Clinical Experience (ICE)	Pre-requisite: SEYS 340, Grade of "B" or higher in SEYS 362 Co-requisite: SEYS 382	3	100-150 Hours in Clinical Practice
SEYS 382** (Fall only)	Standards-Based Curriculum and Assessment in Teaching Science	Pre-requisite: SEYS 340, Grade of "B" or higher in SEYS 362 Co-requisite: SEYS 372.2	3	No Fieldwork
SEYS 372.4 (Spring only)	Student Teaching Science in Middle or High School	Pre-requisite: SEYS 350, Grade of "B" or higher in SEYS 372.2 & SEYS 382	3	
TOTAL NUMBER OF CREDITS			24	

All students are required to complete 100 hours of fieldwork prior to the Initial Clinical Experience (ICE).

*Credits not applicable to the program's Total Number of Credits

**Submission of CST official score report, with overall score and sub-scores (candidates who do not pass must develop a remediation plan signed by advisor prior to student teaching).