

Queens College
Secondary Education & Youth Services (SEYS)

Undergraduate Science Education Initial Certificate

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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 SEYS second 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 or higher in all SEYS courses.

Course Number	Title	Pre-requisites and Co-Requisites	Credits	Fieldwork Required
SEYS 201W (Spring or Fall)	Historical, Social and Philosophical Foundations of Education	Upper Sophomore, major declared	3	25 Hours Fieldwork
SEYS 221 (Spring or Fall)	Development and Learning in Middle Childhood & Adolescence	Upper Sophomore, major declared	3	25 Hours Fieldwork
ECPSE 350 (Spring or Fall)	Foundations of Special Education	Upper Sophomore, 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, 221 Pre- or Co- requisite: SEYS 340	3	25 Hours Fieldwork
SEYS 350 (Fall ONLY)	Cognition, Technology and Instruction for Diverse Learners	Pre-requisite: 221	3	25 Hours Fieldwork
SEYS 372.2 (Fall ONLY)	Student Teaching I Initial Clinical Experience in Middle or High School	Pre or Co-req.: SEYS 350 Pre-req.: SEYS 362 Co-req. SEYS 382**	3	180+ Hours in Student Teaching I M-Th
SEYS 382 (Fall Course)	Standards-Based Curriculum and Assessment in Teaching Science	Pre-req.: SEYS 362 Co-requisite: 372.2	3	No Fieldwork
SEYS 372.4 (Spring Course)	Student Teaching II Science in Middle or High School	Pre-requisite: SEYS 362, 372.2, 382	3	Student Teaching II M-F
TOTAL NUMBER OF CREDITS			24	

All students are required to complete 100 hours of fieldwork prior to Student Teaching I 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).

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