

Queens College
Department of Secondary Education and Youth Services
Undergraduate Science Education Initial Certificate

Advisers:

Dr. Stephen Farenga (Program Director)
Stephen.farenga@qc.cuny.edu
(718) 997-5195
Powdermaker Hall, Room 150V

Dr. Brian Murfin
brian.murfin@qc.cuny.edu
(718) 997-5066
Powdermaker Hall Room 135C

Undergraduate Science Education Initial Certificate Concentration Form *

To qualify for the SEYS science education initial certificate program, an undergraduate student must have completed at least 15-20 credits in a traditional science major (biology, chemistry, geology, physics) with a minimum average of 2.75. Qualified students must have a major form signed by the appropriate science department adviser and a similar form signed by an adviser 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 *each* SEYS course to complete the initial certificate program.

| Course Number | Title | Credits | Fieldwork |
|---------------|---------------------------------------------------------------|---------|-----------|
| SEYS 201 | Historical, Social and Philosophical Foundations in Education | 3 | 25 hours |

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|-----------------------------------------------|--------------------------------------------------------------------------------------------|----------|------------------------------------------|
| SEYS 221 | Development and Learning in Education | 3 | 25 hours |
| SEYS 340 (Pre-requisite 201) | Language, Literacy and Culture in Education | 3 | 25 hours |
| SEYS 350 (Pre-requisite 221, 340) | Cognition, Technology and Instruction for Diverse Learners (Spring or Fall) | 3 | 25 hours in middle school |
| ECSPE 350 | Foundations of Special Education (Spring or Fall) | 3 | |
| SEYS 362 (Pre or Co-requisite 350) | Teaching Science in Middle & High Schools. (Fall ONLY) | 3 | 25 hours |

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| <p>SEYS 372.2 (Pre-requisite 350)</p> | <p>High School or Middle School Initial Clinical Experience (ICE) (Fall ONLY)</p> | <p>2</p> | <p>100 hours</p> |
| <p>SEYS 372.4 (Pre-requisite 362, Co-requisite 382)</p> <p>SEYS 382 (Co-requisite 372.4)</p> | <p>Student Teaching in Science for High School and/or Middle School (Spring ONLY)</p> <p>Curriculum and Assessment in Science (Spring ONLY)</p> | <p>4</p> <p>3</p> | |