

Secondary Science Education Undergraduate Courses *

ADVISEMENT FORM

FAQs:

What requirements are needed to apply to the SEYS science education program?

You must have completed at least 15-20 credits in the science major and have a minimum average of 2.75 in the science major.

How do I register to take SEYS courses to become certified to teach?

Come to PH 150 with a major card with your science advisor's signature and ask an advisor in SEYS to sign the card for education. This should be done by your upper sophomore year. Most students begin taking SEYS courses in their lower junior year.

What are the requirements for staying in the SEYS teacher certification program?

Science students must maintain a GPA of 2.75 in their science major and earn a minimum letter grade of B in every secondary education course.

When does student teaching begin?

There are two phases of student teaching. The initial clinical experience (ICE) takes place generally at a middle-Jr high school in the fall. To qualify for ICE, you must have taken 201, 221, 340 and likely, 350.

You must have a minimum of 100 hrs of documented fieldwork completed. ICE consists of 100 hrs of phased-in teaching experiences with 1 or 2 other science ed. candidates, under the guidance of a cooperating science teacher and field supervisor. The second, more intense phase of student teaching takes place generally at a high school in the spring. To qualify, you must have successfully completed all courses except for SEYS 372.4 and SEYS 382. You will spend 15 weeks, 5 days/wk, 4hrs/day, at the school under the guidance of a cooperating teacher and field supervisor.

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

ECSPE 350	Foundations of Special Education	3	
SEYS 362 (Pre or Co-requisite 350)	Teaching Science in Middle & High Schools. (*** Fall ONLY ***)	3	25 hours
SEYS 372.2 (Pre-requisite 350)	High School or Middle School Initial Clinical Experience (ICE) (*** Fall ONLY ***)	2	100 hours
SEYS 372.4 (Pre-requisite 362) SEYS 382 (Co-requisite 372.4)	Student Teaching in Science for High School and/or Middle School (Spring ONLY) <i>And</i> Curriculum and Assessment in Science (** Spring ONLY ***)	4 3	See Descriptio n in FAQs

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