



ECOLOGY, EVOLUTION, AND ENVIRONMENTAL BIOLOGY CERTIFICATE

ADVANCED GRADUATE CERTIFICATE | PART-TIME OR FULL-TIME

Prepare for Highly-Competitive Graduate Programs or Pivot to Environmental Biology or Ecology Careers

Designed for college graduates who did not major in environmental biology, the Ecology, Evolution, and Environmental Biology Certificate (E3B) is a rigorous program that advances students' knowledge of the environmental sciences, allowing them to prepare for related graduate programs and/or to pivot to environmental biology or ecology careers.

Time Commitment

- **Part-Time:** Four to Eight Terms (including summers)
- **Full-Time:** Three Intensive Terms or One Calendar Year (if started in summer)



“The coursework really stresses scientific writing and analysis. It's really satisfying and fulfilling when you get to take the skills you've learned in the classroom and apply them in the actual lab.”

Alyssa Ramirez
'20SPS, Ecology, Evolution
and Environmental Biology
Certificate

Curriculum

Nine Courses Total

- Two Biology Courses
- Two Chemistry Courses
- One Conservation Biology Course
- One Environmental Science Course
- One Statistics Course
- Two Additional Environmental Biology Electives

Sample Courses

Environmental Biology I & II	General Chemistry	Earth's Environmental System	Introduction to Statistics	Conservation Biology
---------------------------------	----------------------	------------------------------------	-------------------------------	-------------------------

Students will register for E3B courses through their Student Services Online portal after consulting the Columbia University Directory of Classes.



Research

Research opportunities give students a competitive edge when applying to graduate school and help them to better understand the research process. The E3B department partners with the American Museum of Natural History, New York Botanical Gardens, The Wildlife Conservation Society, and the EcoHealthAlliance to connect some of the most prestigious research scientists in New York City with students. E3B students will have a unique opportunity to compete for small grants to initiate their research projects with scientists across Columbia University and partner institutions.

\$1,000 of potential grant funding
for independent lab/field research

\$2500 Potential fellowship funds from
Columbia SPS for research or fieldwork

Advising

Students in the Ecology, Evolution, and Environmental Biology Certificate program benefit from program-specific advising services. The E3B Advisor provides students with guidance on course planning, university resources, policies, and procedures to help them succeed academically, professionally, and personally.

Students will also have access to faculty in the E3B department for programmatic inquiries.

For More Information

Schedule an appointment with an Admissions Counselor today!

212-854-9666 | info@sps.columbia.edu

sps.columbia.edu/ebiology

Who Should Apply?

- Recent college graduates who wish to prepare for graduate school in a field related to ecology and/or environmental biology.
- Professionals with a Bachelor's degree or equivalent seeking a career change into a purposeful and dynamic career.