INTRODUCTION TO THE MAJOR

Environmental Sciences (ES) is a broad, interdisciplinary major that examines the impact of human activities on natural systems. Students learn how to apply tools and techniques from a variety of disciplines such as biology, ecology, chemistry, toxicology, geology, hydrology, meteorology, geography, engineering, statistics, behavioral science, policy analysis, economics, and law.

All ES majors complete a senior thesis in which they investigate an environmental issue, design and execute independent research, and present their results in oral and written form.

“What makes ES such a great major is its interdisciplinary nature and the structured execution of a senior thesis of your choosing.”

– Aileen Lavelle, ES Student & Peer Advisor

THE ES CURRICULUM

ES has three concentrations: Biological Science, Social Science or Physical Science. For all concentrations, lower division coursework emphasizes basic science in a rigorous curriculum drawn from biology, chemistry, mathematics, physics, economics and environmental science.

For upper division courses, students take electives in their area of interest and courses in research methodology and environmental modeling to prepare for the senior research seminar. This yearlong course is the capstone of the major where students design and conduct their own research with guidance from faculty.

AMPLIFY YOUR MAJOR

- Apply to the Sponsored Project for Undergraduate Research (SPUR) program to pursue joint research with a faculty member.
- Get 1:1 mentoring from graduate students with Berkeley Connect in ESPM.
- Conduct field research in the Sierra Nevada at Forestry Field Camp or in French Polynesia through the Moorea Program.
- Join a student group such as the Environmental Sciences Student Association.

CONNECT WITH US

Cal Day
Come to UC Berkeley's annual Open House in April for information sessions, campus tours, special talks, and more.

Golden Bear Orientation
Join your peers in the campus-wide UC Berkeley orientation program for all new students.

Events
Attend department events with students, faculty, and staff. Visit nature.berkeley.edu for news and updates.

ADVISING

The Undergraduate Advisors for all Rausser College majors are located in the Office of Instruction and Student Affairs in 260 Mulford Hall.

Visit nature.berkeley.edu/advising/meet-rausser-advisors for detailed office hours and appointment booking links. You may email general advising questions to envsci.ugrad@berkeley.edu.

HOW TO USE THIS MAP

Use this map to help plan and guide your experience at UC Berkeley, including academic, co-curricular, and discovery opportunities. Everyone's Berkeley experience is different and activities in this map are suggestions. Always consult with your advisors whenever possible for new opportunities and updates.

Visit ue.berkeley.edu/majormaps for the latest version of this major map.

ENVIRONMENTAL SCIENCES
Bachelor of Science
## Bachelor of Science in Environmental Sciences

**Explores sciences design your journey**

### Environmental Sciences Career Check
- Sign up for Career Engagement.
- Check out the Careers Fair in October.
- Attend the Undergraduate Research and Outreach Program (URAP)
- Take advantage of the Rausser Student Resource Center.
- Meet with the ES major advisor if you plan to study abroad.
- Complete lower division prerequisites and declare the major if currently undeclared.
- Consider a minor, certificate, or course thread.
- Meet with the ES major advisor if you plan to study abroad.

### Connect and build community
- Take advantage of the Rausser Student Resource Center.
- Get involved with a student organization.
- Apply for a research position through SPUR.
- Enroll in a Sophomore Seminar.
- Discover new interests in a Freshman Seminar or DeCal course like ESPM 101.
- Attend the Undergraduate Research and Scholarships Fair in October.
- Learn about research opportunities for Rausser students.
- Apply for a research position through SPUR.
- Work with a community organization in an American Cultures Engaged Scholarship course.
- Experience life at another UC or college on a visitor and exchange program.
- Check out the Moorea program for fieldwork opportunities abroad.
- Apply your skills in projects for Solar Spring Break or the Green Initiative Fund.
- Participate in a field science or ecology program at the UC Natural Reserve.
- If interested in environmental policy, look into UCDC or Cal in the Capital.
- Help youth learn about ecology and the environment through Berkeley SEEDS.
- Conduct informational interviews.
- Discuss post-graduate options with advisors and professors.
- Update your resume and LinkedIn profile.
- Attend career and graduate school fairs like the Environmental and Sustainability Career Fair.
- Utilize job search tools from the Career Center.
- Ask professors and graduate student instructors for recommendation letters.
- Meet employers at Employer Info Sessions and On-Campus Recruiting.
- Apply to jobs, graduate school, and other opportunities.

### Reflect and plan your future
- Familiarize yourself with ES major requirements.
- Meet with the ES major advisor to sketch out a four-year plan.
- Talk to a peer advisor about life at Rausser College.
- Take advantage of the DeCal course like ESPM 101.
- Attend the Undergraduate Research and Scholarships Fair in October.
- Learn about research opportunities for Rausser students.
- Apply for a research position through SPUR.
- Enroll in a Sophomore Seminar.
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- Apply to jobs, graduate school, and other opportunities.

### Graduation requirements
- Complete lower division prerequisites and declare the major if currently undeclared.
- Consider a minor, certificate, or course thread.
- Meet with the ES major advisor if you plan to study abroad.
- Complete higher division requirements.
- Complete the statistics requirement no later than the fall semester.
- Start brainstorming research topics for your senior thesis and reach out to potential faculty mentors.
- Take ESPM 105 during the spring semester.
- Take a course thread in Humanities & Environment or Sciences and Society.
- Apply for a Rausser Travel Grant to fund travel for academic conferences or research.
- Find research and funding opportunities in the OURS database, SPUR, or URAP.
- Work on energy and climate change solutions as part of the CITRIS Workforce Innovation Program.
- Enrich your studies with classes in other areas of academic interest.
- Participate in a field science or ecology program at the UC Natural Reserve.
- If interested in environmental policy, look into UCDC or Cal in the Capital.
- Help youth learn about ecology and the environment through Berkeley SEEDS.
- Conduct informational interviews.
- Discuss post-graduate options with advisors and professors.
- Update your resume and LinkedIn profile.
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- Ask professors and graduate student instructors for recommendation letters.
- Meet employers at Employer Info Sessions and On-Campus Recruiting.
- Apply to jobs, graduate school, and other opportunities.

### WHAT CAN I DO WITH MY MAJOR?
- ES graduates are well-prepared for careers in fields such as environmental consulting, education, health, or law, as well as community, urban, or regional planning and other related areas of environmentalism.
- Graduates are well-qualified for a variety of graduate programs, including environmental policy and management, law school, medical school, and environmental engineering.

### Jobs and Employers
- Analyst Consultant, Accenture Biological Tech., Dept. of Agriculture
- Biologist Intern, UCSF Business Associate, Next Jump Consultant, NASA
- Data Analyst, Lucid Software
- Environmental Compliance Intern, Recology
- Environmental Scientist, Americorps
- Forestry Tech., Collins Company GIS Data Specialist, City of San Mateo
- Naturalist, Aquarium of the Bay
- Software Ops. Specialist, Nuro

### Graduate Programs
- Civil Engineering, PhD
- Ecology, PhD
- Environmental Science, Masters
- Forestry, PhD
- Law, JD
- Molecular Biology, PhD
- Public Health, Masters
- Public Policy Analysis, Masters

### Recent Berkeley graduates
- Graduates are well-prepared for careers in fields such as environmental consulting, education, health, or law, as well as community, urban, or regional planning and other related areas of environmentalism.

### Examples gathered from LinkedIn and the First Destination Survey of recent Berkeley graduates.