Environmental Sciences

Bachelor of Science (BS)
The environmental sciences (ES) major is designed for students interested in studying environmental problems from a scientific perspective. The ES major prepares students to deal with issues arising from the impact of human interaction on natural systems. To address these problems, all ES students acquire strong backgrounds in math, biological sciences, and physical sciences. Students may choose to specialize further in a biological or physical science field such as ecology, conservation biology, toxicology, geology, hydrology, meteorology, engineering, or a social science field such as planning, policy analysis, economics, environmental justice, or education. Each ES student completes a year-long senior research project with the support of a mentor in a biological, physical, or interdisciplinary research area.

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 in public agencies, non-profit conservation organizations, and private companies. Graduates are well-qualified for a variety of graduate programs, including environmental policy and management, law school, medical school (and other pre-health programs), and environmental engineering.

Admission to the Major
Advice on admission for freshmen and transfer students can be found on the CNR Admissions Guide (http://guide.berkeley.edu/undergraduate/colleges-schools/natural-resources/#admissionstext) page or the CNR Prospective Student website (https://nature.berkeley.edu/prospective-students). Freshman students may apply directly to the major, or they may select the College of Natural Resource's undeclared option and declare the major by the end of their fourth semester. Transfer students may apply directly to the major through the UC application.

Information for current Berkeley students who would like to declare the major after admission, including information on a change of major or change of college, please see chapter 6 of the College of Natural Resources Undergraduate Student Handbook (https://nature.berkeley.edu/handbook). (https://nature.berkeley.edu/handbook)

Honors Program
Students with a GPA of 3.6 or higher may enroll in the College of Natural Resources honors program once they have reached upper division standing. To fulfill the program requirements, students design, conduct, and report on an individual research project working with a faculty sponsor. Qualified ES students enroll in ESPM H175A and ESPM H175L fall of their senior year, and ESPM H175B and ESPM H175L spring of their senior year. For further information on the CNR Honors Program, please see the College of Natural Resources website (http://nature.berkeley.edu/site/honors_program.php).

Minor Program
There is no minor program in environmental sciences.

Other Majors Offered by the Department of Environmental Science, Policy, and Management (ESPM)
Conservation and Resource Studies (http://guide.berkeley.edu/undergraduate/degree-programs/conservation-resource-studies) (Major and Minor)
Ecosystem Management and Forestry (http://guide.berkeley.edu/undergraduate/degree-programs/ecosystem-management-forestry) (Major, Forestry Minor)
Molecular Environmental Biology (http://guide.berkeley.edu/undergraduate/degree-programs/molecular-environmental-biology) (Major only)
Society and Environment (http://guide.berkeley.edu/undergraduate/degree-programs/society-environment) (Major only)

Students in this major choose a concentration in biological, physical, or social sciences based on intended research area, or general area of interest. The specific requirements for each concentration are outlined below.

In addition to the University, campus, and college requirements listed on the College Requirements tab, students must fulfill the below requirements specific to their major program.

General Guidelines
1. All courses taken to fulfill the major requirements below must be taken for graded credit, other than courses listed which are offered on a Pass/No Pass basis only. Other exceptions to this requirement are noted as applicable.
2. All courses taken to fulfill major requirements must be passed with a C- or better letter grade.
3. A minimum cumulative grade point average (GPA) of 2.0 is required.
4. A minimum GPA of 2.0 in upper division major requirements is required.
5. A minimum of 30 upper division units is required in the Environmental Sciences major. 15 of the required upper division units must be taken in the College of Natural Resources.
6. A maximum of 16 units of independent study (courses numbered 97, 98, 99, 197, 198, and 199) may count toward graduation, with a maximum of 4 units of independent study per semester.
7. No more than 1/3 of the total units attempted at UC Berkeley may be taken Pass/No Pass. This includes units in the Education Abroad Program and UC Intercampus Visitor or Exchange Programs.
8. A maximum of 4 units of physical education courses will count toward graduation.

For information regarding residence requirements and unit requirements, please see the College Requirements tab.

Lower Division Requirements for all ES Majors

<table>
<thead>
<tr>
<th>ESPM Environmental Science Core (select one):</th>
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<tbody>
<tr>
<td>ESPM 2</td>
<td>The Biosphere [3]</td>
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<td>ESPM 6</td>
<td>Environmental Biology [3]</td>
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</table>
Environmental Sciences

ESPM C10 Environmental Issues [4]
ESPM 15 Introduction to Environmental Sciences [3]
ESPM C46 Climate Change and the Future of California [4]

ESPM Social Science Core (select one):
ESPM 5 FROM FARM TO TABLE: FOOD SYSTEMS IN A CHANGING WORLD [4]
ESPM C11 Americans and the Global Forest [4]
ESPM C12/ENGLISH C77 Introduction to Environmental Studies [4]
ESPM C22AC Fire: Past, Present and Future Interactions with the People and Ecosystems of California [4]
ESPM 50AC Introduction to Culture and Natural Resource Management [4]
ESPM 60 Environmental Policy, Administration, and Law [4]

Environmental Economics
ENVECON Introduction to Environmental Economics and C1/ECON C3 Policy [4]

Breadth Requirements (two courses):
Select courses from the Seven Course Breadth listing on the College of Letters & Science website.
1 course from the Arts & Literature, Historical Studies, or Philosophy & Values category (3-4 units)
1 course from the Social & Behavioral Science or International Studies category (3-4 units)

Area of Concentration: Choose a concentration in Biological, Physical, or Social Sciences (see below for requirements for each concentration)

Lower Division Requirements by Concentration

Biological Science Concentration

Math (select one calculus sequence):
MATH 16A Analytic Geometry and Calculus
& MATH 16B and Analytic Geometry and Calculus
MATH 1A Calculus
& MATH 1B and Calculus

Chemistry (two courses):
CHEM 1A General Chemistry
& 1AL and General Chemistry Laboratory
CHEM 3A Chemical Structure and Reactivity
& 3AL and Organic Chemistry Laboratory

Biology (two courses):
BIOLOGY 1A General Biology Lecture
& 1AL and General Biology Laboratory
BIOLOGY 1B General Biology Lecture and Laboratory [4]

Physics (one course):
PHYSICS 8A Introductory Physics [4]

Physical Science Concentration

Math (two courses):
MATH 1A Calculus
& MATH 1B and Calculus

Chemistry (two courses):
CHEM 1A General Chemistry
& 1AL and General Chemistry Laboratory

Upper Division Requirements

Statistics (must be completed before spring semester of student's junior year) 1
Select one of the following:
ESPM 173 Introduction to Ecological Data Analysis [3]
PB HLTH 141 Introduction to Biostatistics [5]
PB HLTH 142 Introduction to Probability and Statistics in Biology and Public Health [4]
STAT 131A Statistical Methods for Data Science [4]

Intro to Methods of Environmental Science 1
ESPM 100ES Introduction to the Methods of Environmental Science [4] (must be taken spring of junior year)

Senior Research Seminar: First Half (select one): 1, 2
ESPM 175A Senior Research Seminar in Environmental Sciences
& ESPM 175L and Senior Research Laboratory in Environmental Sciences (must be taken fall of senior year)
ESPM H175A  Senior Research Seminar in Environmental 
& ESPM H175LS  Sciences 
  and Senior Research Laboratory in Environmental 
  Sciences (must be taken fall of senior year) 

**Senior Research Seminar: Second Half (select one) 1,2** 

ESPM 175B  Senior Research Seminar in Environmental 
& ESPM 175L  Sciences 
  and Senior Research Laboratory in Environmental 
  Sciences (must be taken spring of senior year) 

ESPM H175B  Senior Research Seminar in Environmental 
& ESPM H175LS  Sciences 
  and Senior Research Laboratory in Environmental 
  Sciences (must be taken spring of senior year) 

**Environmental Modeling (select one):**

ESPM C183/EEP C183 satisfies the modeling requirement only if taken Spring 2015 or earlier. 

- ESPM C104/ ENVECON C104 satisfies the modeling requirement only if taken Spring 2015 or earlier. 
- ESPM C107/  
- ESPM 157  Data Science in Global Change Ecology [4] 

**Human Environment Interactions (select one):**

- ANTHRO 137  Energy, Culture and Social Organization [4] 
- ESPM 151  Society, Environment, and Culture [4] 
- ESPM 160AC/ HISTORY 120AC  
- ESPM 161  Environmental Philosophy and Ethics [4] 
- ESPM 162  Bioethics and Society [4] 
- ESPM 163AC/ SOCIOL 137AC  the Environment [4] 
- ESPM C167/ PB HLTH C160  
- ESPM 169  International Environmental Politics [4] 
- ENE,RES 175  Water and Development [4] 
- ENE,RES 180  Ecological Economics in Historical Context [3] 
- ENVECON C101/ ECON C125  
- ENVECON 131Globalization and the Natural Environment [3] 
- ENVECON 140Economics of Race, Agriculture, and the Environment [3] 
- ENVECON 162Economics of Water Resources [3] 
- GEOG 130  Food and the Environment [4] 
- GEOG 138  Global Environmental Politics [4] 

**Area of Concentration Elective**

Select one 3-5 unit elective from area of concentration (see list below) 

**Additional ES Elective**

Select one 2-5 unit elective from any area of concentration (see list below) 

1  These four courses must be completed in the sequence listed, beginning the fall semester of the student's junior year. Students who plan to study abroad or otherwise not continuously enroll at UC Berkeley for their junior and senior years should meet with the ES adviser. 

2  The ESPM H175 sequence is for ES students who have an overall 3.6 or above GPA and will enroll in the CNR honors program. 

**Upper Division Electives by Concentration**

**Biological Sciences Concentration Electives**

- CHEM 103  Inorganic Chemistry in Living Systems 3 
- CHEM 115  Organic Chemistry--Advanced Laboratory Methods 4 
- CHEM C130/ MCELLBI C100A  Biophysical Chemistry: Physical Principles and the Molecules of Life 4 
- CIV ENG 101  Fluid Mechanics of Rivers, Streams, and Wetlands 3 
- CIV ENG 107  Climate Change Mitigation 3 
- CIV ENG 113  Ecological Engineering for Water Quality Improvement 3 
- CIV ENG 114  Environmental Microbiology 3 
- EPS/INTEGBI C100/ GEOG C146  Communicating Ocean Science 4 
- ENE,RES 102  Quantitative Aspects of Global Environmental Problems 4 
- ESPM 102B  Natural Resource Sampling 4 
- ESPM 102BL  Laboratory in Natural Resource Sampling 4 
- ESPM C103/ INTEGBI C156  Principles of Conservation Biology 4 
- ESPM C104/ ENVECON C115  Modeling and Management of Biological Resources 4 
- ESPM 105A  Sierra Nevada Ecology 4 
- ESPM C107/ INTEGBI 158LF  Biology and Geomorphology of Tropical Islands 13 
- ESPM 108A  Trees: Taxonomy, Growth, and Structures 3 
- ESPM 108B  Environmental Change Genetics 3 
- ESPM 110  Primate Ecology 4 
- ESPM 111  Ecosystem Ecology 4 
- ESPM 112  Microbial Ecology 3 
- ESPM 113  Insect Ecology 3 
- ESPM 114  Wildlife Ecology 3 
- ESPM 115B  Biology of Aquatic Insects 2 
- ESPM C115C/ INTEGBI C176L  Fish Ecology 3 
- ESPM 116B  Rangeland Ecology 4 
- ESPM 116C  Tropical Forest Ecology 3 
- ESPM 117  Urban Garden Ecosystems 4 
- ESPM 118  Agricultural Ecology 4
Environmental Sciences

Environmental Sciences Concentration Electives

ARCH 140 Energy and Environment 4
ARCH 149 Special Topics in Energy and Environment 1-4
CHM ENG 140 Introduction to Chemical Process Analysis 4
CHM ENG 141 Chemical Engineering Thermodynamics 4
CHM ENG 142 Chemical Kinetics and Reaction Engineering 4
CHM ENG 150A Transport Processes 4
CHM ENG 150B Transport and Separation Processes 4
CHEM 103 Inorganic Chemistry in Living Systems 3
CHEM 104A Advanced Inorganic Chemistry 3
CHEM 104B Advanced Inorganic Chemistry 3
CHEM 105 Instrumental Methods in Analytical Chemistry 4
CHEM 120A Physical Chemistry 3
CHEM 120B Physical Chemistry 3
CHEM 125 Physical Chemistry Laboratory 3
CHEM C130/ CHEM/EPS C182 Atmospheric Chemistry and Physics Laboratory 3
CHEM C130/ MCELLBI C100A Biophysical Chemistry: Physical Principles and the Molecules of Life 4
CHEM C130B Biophysical Chemistry 3
CHEM 135 Chemical Biology 3
CHEM/EPS C182 Atmospheric Chemistry and Physics Laboratory 3
### Environmental Sciences

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<td>CIV ENG 103</td>
<td>Introduction to Hydrology</td>
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<td>CIV ENG C106</td>
<td>Air Pollution</td>
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<td>CIV ENG 107</td>
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<td>CIV ENG 111</td>
<td>Environmental Engineering</td>
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<tr>
<td>CIV ENG 113</td>
<td>Ecological Engineering for Water Quality</td>
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<td>Chemistry of Soils</td>
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<td>CIV ENG 171</td>
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<td>CIV ENG 173</td>
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<td>EPS C100/A</td>
<td>Minerals: Their Constitution and Origin</td>
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<td>EPS C100/B</td>
<td>Genesis and Interpretation of Rocks</td>
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<td>Field Geology and Digital Mapping</td>
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<td>Development and Classification of Soils</td>
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<td>ESPM 131</td>
<td>Soil Microbial Ecology</td>
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<td>ESPM C148/A</td>
<td>Pesticide Chemistry and Toxicology</td>
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<td>NUSCTX C114</td>
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<td>ESPM 157</td>
<td>Data Science in Global Change Ecology</td>
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<td>ESPM 164</td>
<td>GIS and Environmental Science</td>
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<td>ESPM 170</td>
<td>Carbon Cycle Dynamics</td>
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<td>ESPM 172</td>
<td>Photogrammetry and Remote Sensing</td>
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<td>ESPM 173</td>
<td>Introduction to Ecological Data Analysis</td>
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<td>ESPM 174</td>
<td>Design and Analysis of Ecological Research</td>
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<td>CIV ENG C106</td>
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<td>ESPM 181A</td>
<td>Fire Ecology</td>
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<td>GEOG C139</td>
<td>Atmospheric Physics and Dynamics</td>
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<td>GEOG 140A</td>
<td>Physical Landscapes: Process and Form</td>
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<td>GEOG 142</td>
<td>Climate Dynamics</td>
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<td>GEOG 143</td>
<td>Global Change Biogeochemistry</td>
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<td>GEOG 183</td>
<td>Cartographic Representation</td>
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<td>EPS/INTEGBI</td>
<td>Physical and Chemical Environment of the Ocean</td>
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### Social Sciences Concentration Electives

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<td>ENG 125</td>
<td>Ethics, Engineering, and Society</td>
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<td>ENVECON C131</td>
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<td>ENVECON 153</td>
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Environmental Sciences

ENVECON 161 Advanced Topics in Environmental and Resource Economics 4
ENVECON 162 Economics of Water Resources 3
ESPM 102C Resource Management 4
ESPM 102D Climate and Energy Policy 4
ESPM C104/ENVECON C115 Resources 4
ESPM 117 Urban Garden Ecosystems 4
ESPM 151 Society, Environment, and Culture 4
ESPM 155AC Sociology and Political Ecology of Agro-Food Systems, formerly ESPM 155 4
ESPM/NUSCTX C159 Human Diet 4
ESPM 160AC/ HIST 120AC American Environmental and Cultural History 4
ESPM 161 Environmental Philosophy and Ethics 4
ESPM 162 Bioethics and Society 4
ESPM 163AC/ SOCIOI 137AC Environmental Justice: Race, Class, Equity, and the Environment 4
ESPM 165 International Rural Development Policy 4
ESPM 166 Natural Resource Policy and Indigenous Peoples 4
ESPM C167/ PB HLTH C160 Environmental Health and Development 4
ESPM 168 Political Ecology 4
ESPM 169 International Environmental Politics 4
ESPM 183 Forest Ecosystem Management and Planning 4
GEOG 130 Food and the Environment 4
GEOG/LD ARCH C188 Geographic Information Systems 4
INTEGBI 117 Medical Ethnobotany and Medical Ethnobotany Laboratory 4
LD ARCH 110 Ecological Analysis 3
LD ARCH 130 Sustainable Landscapes and Cities 4
LD ARCH C188 Geographic Information Systems 4
PB HLTH 140 Course Not Available 4
SOCIOI C126 Sex, Death, and Data 4
SOCIOI 137AC Environmental Justice: Race, Class, Equity, and the Environment 4

Reading and Composition (http://guide.berkeley.edu/undergraduate/colleges-schools/natural-resources/reading-composition-requirement)

In order to provide a solid foundation in reading, writing and critical thinking all majors in the College require two semesters of lower division work in composition. Students must complete a first-level reading and composition course by the end of their second semester and a second-level course by the end of their fourth semester.

Foreign Language (http://guide.berkeley.edu/undergraduate/colleges-schools/natural-resources/foreign-language-requirement): EEP Majors only

The Foreign Language requirement is only required by Environmental Economics and Policy (EEP) majors. It may be satisfied by demonstrating proficiency in reading comprehension, writing, and conversation in a foreign language equivalent to the second semester college level, either by passing an exam or by completing approved course work.

Quantitative Reasoning (http://guide.berkeley.edu/undergraduate/colleges-schools/natural-resources/quantitative-reasoning-requirement): EEP Majors only

The Quantitative Reasoning requirement is only required by Environmental Economics and Policy (EEP) majors. The requirement may be satisfied by exam or by taking an approved course.

Undergraduate Breadth

Undergraduate breadth provide Berkeley students with a rich and varied educational experience outside of their major program and many students complete their breadth courses in their first two years. Breadth courses are built into CNR major requirements and each major requires a different number of breadth courses and categories. The EEP major is the only CNR major that requires the entire 7 course breadth. Refer to the major snapshots on each CNR major page (https://nature.berkeley.edu/advising/majors-minors) for for additional information.

High School Exam Credit


Units Requirements

Students must complete at least 120 semester units of courses subject to certain guidelines:

• At least 36 units must be upper division courses, including a minimum of 15 units of upper division courses in the College of Natural Resources.
• A maximum of 16 units of Special Studies coursework (courses numbered 97, 98, 99, 197, 198, or 199) is allowed towards the 120 units; a maximum of four is allowed in a given semester.
• A maximum of 4 units of Physical Education from any school attended will count towards the 120 units.
• Students may receive unit credit for courses graded P (including P/ NP units taken through EAP) up to a limit of one-third of the total units taken and passed on the Berkeley campus at the time of graduation.

Semester Unit Minimum

All CNR students must enroll in at least 13 units each fall and spring semester.

Semester Unit Maximum

To request permission to take more than 19.5 units in a semester, please see the major adviser.

Semester Limit

Students admitted as freshmen must graduate within 8 fall/spring semesters at UC Berkeley. Students admitted as transfer students must graduate within 4 fall/spring semesters at UC Berkeley. Students who go on EAP and UCDC can petition for additional semesters. Summer session, UC Extension and non-UC study abroad programs do not count towards this semester limit. Students approved for double majors or simultaneous degrees in two colleges may be granted an additional
semester. CNR does not limit the number of total units a student can accrue.

**Senior Residence Requirement**

After the term in which you achieve and exceed 90 units (senior status), you must complete at least 24 of the remaining 30 units in residence at the College of Natural Resources over at least 2 semesters. To count as residence, a semester must consist of at least 6 passed units taken while the student is a member of CNR. At least one of the two terms must be a fall or spring semester. Senior residence terms do not need to be completed consecutively. All courses offered on campus for the fall, spring, and summer terms by Berkeley departments and programs and all Berkeley online ("W") courses count. Inter-campus Visitor, Education Abroad Program, UC Berkeley Washington Program, and UC Berkeley Extension units do not count toward this requirement.

Students may use Summer Session to satisfy one semester of the Senior Residence Requirement, provided that four units of coursework are completed.

**Modified Senior Residence Requirement**

Participants in a fall, spring or summer UC Education Abroad Program (UCEAP), Berkeley Summer Abroad, or the UC Berkeley Washington Program may meet a modified Senior Residence Requirement by completing 24 of their final 60 semester units in residence (excluding UCEAP). At least 12 of these 24 units must be completed after senior status is reached. International travel study programs sponsored by Summer Sessions and education abroad programs offered outside of the UC system do not qualify for modified senior residence.

Most students automatically satisfy the residence requirement by attending classes here for four years. In general, there is no need to be concerned about this requirement, unless students go abroad for a semester or year or want to take courses at another institution or through University Extension during their senior year. In these cases, students should make an appointment to see an adviser to determine how they can meet the Senior Residence Requirement.

**Grade Requirements**

- A 2.0 UC GPA is required for graduation.
- A 2.0 average in all upper division courses required of the major program is required for graduation.
- A grade of at least C- is required in all courses for the major.

**Learning Goals for the Major**

1. Develop a broad, interdisciplinary framework for approaching complex, interconnected environmental problems facing our world at multiple scales.
2. Develop strong analytic and quantitative skills needed to identify problems, develop a program to address the problem, execute a rigorous analysis of the issue, and reach independent conclusions.
3. Develop a rigorous scientific base across multiple disciplines (social, biological, and physical sciences) but with a strong concentration in one area so as to develop depth of expertise in that field.
4. Learn how to communicate findings effectively to the scientific community, government agencies, non-government environmental organizations, and the public.

**Skills**

1. Recognition of and knowledge about environmental problems and areas of research.
2. Comprehensive training in basic mathematics and the biological and physical sciences (calculus, biology, chemistry, and physics).
3. Introduction to the social science concepts and methods (environmental economics, a course in human environment interactions).
4. Training in sampling and experimental design, and quantitative methods of data analysis and interpretation (statistics, introduction to estimation and modeling techniques).
5. Development of critical thinking and evaluation skills.
6. Training in general research methods.
7. Training in written communication, especially scientific writing.
8. Training in oral and visual communication skills.
9. Additional training in specialized research methods in the student’s area of concentration.

In the College of Natural Resources, we provide holistic, individual advising services to prospective and current students who are pursuing major and minors in our college. We assist with a range of issues including course selection, academic decision-making, achieving personal and academic goals, and maximizing the Berkeley experience.

If you are looking to explore your options, or you are ready to declare a major, double major, or minor, contact the undergraduate adviser for your intended major. Visit our website (https://nature.berkeley.edu/advising/meet-cnr-advisors) to explore all of our advising services.

**Undergraduate Adviser, Environmental Sciences**

Ginnie Sadil
envsci.ugrad@berkeley.edu
260 Mulford Hall
510-642-7895

Contact Ginnie via email or visit 260 Mulford Hall to schedule an appointment.

Advising hours: Monday to Friday, 9 to noon and 1 to 4 p.m. Our office is closed from noon to 1 p.m.

**Career Services Overview**

The UC Berkeley Career Center (https://career.berkeley.edu) prepares undergraduates, graduate students, and alumni to make informed decisions about their futures by providing comprehensive resources, programs, and counseling on career development, internships, employment, and graduate school. Whether it be through a resume critique, an alumni networking event, or an interviewing skills workshop, the Career Center is committed to helping all students achieve:

- **Career Clarity:** Providing students the opportunity to identify their career direction
- **Career Competitiveness:** Providing students the opportunities to enhance their marketability via real world experiences
- **Career Connections:** Providing students opportunities to engage with alumni and employers
Common Career Paths for Environmental Sciences Majors

Career Destinations Survey

Every year the Career Center surveys graduating seniors (https://career.berkeley.edu/Survey/Survey) about their post-graduation plans to better understand the career outcomes of our alumni including: career fields, job titles, specific employers, entry-level salaries, and graduate/professional school destinations. The data profiles by major provide an impressive overview of the diverse interests and achievements of recent graduates from UC Berkeley, including specific data for the Environmental Sciences (https://career.berkeley.edu/sites/default/files/pdf/Survey/2015EnvSci.pdf) major within the College of Natural Resources. Each annual data set includes the August, December, and May graduating cohorts for that survey year. This data is designed to provide students, alumni, and employers with critical information about where Cal students go after graduation. As expected, college major does not restrict the employment or graduate school options that Cal students pursue. With careful planning (https://career.berkeley.edu/Plan/Plan), you can develop career-related skills and experiences that can prepare you for almost any job or graduate school field.

Sample Career Pathways

Environmental Sciences majors go on to pursue a wide variety of career options including, but not limited to:

- Federal Government Agencies (e.g. Environmental Protection Agency; Department of Agriculture)/environmental remediation & compliance: soil, water, air & sediments
- Nonprofit Organizations (Environment & Sustainability focused): Administration, management, public relations, fundraising/development, program coordination, grant writing, volunteer management
- Business: Sales (e.g. solar), regulatory/compliance; corporate social responsibility (CSR), environmental consulting
- Waste Management: Risk assessment, quality control, logistics, planning, recycling, transportation, public health
- Air & Water Quality Management: Testing/analysis, watershed management, stream restoration, sustainable infrastructure, risk assessment, compliance/permitting
- Soil Science: Waste disposal, environmental compliance, landfill operation and monitoring, fertilizer technology, agricultural production, research, organic farming
- Planning and Conservation: Natural resource management, sustainability programs, water resources, transportation and aviation planning, building/zoning, land use/acquisition, recreation and parks management, mining
- Education/Environmental Education: Teaching (elementary, secondary, post-secondary, research); public/community education, public health, outdoor education
- Communications: Technical writing, editing, illustrating, photography, public relations
- Health/Medical: Physician, allied health professions, nutrition, alternative medicine
- Environmental Law: Political action/lobbying, regulatory affairs, science policy, patent law, public interest, environmental law, mediation

Visit our Connecting Majors to Careers (https://career.berkeley.edu/InfoLab/Majors2Careers) resource to explore additional career paths most commonly associated with over 80 majors, including Environmental Sciences (http://whatcanidowiththismajor.com/major/wp-content/uploads/2011/05/environmentalstudies-science3.pdf).

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Career and Internship Resources

The UC Berkeley Career Center (https://career.berkeley.edu) offers a wide variety of programs and resources to support students of all majors and class levels.

- Job Search Tools (https://career.berkeley.edu/Tools/Tools): Resume and cover letter writing, job search strategies, networking tools, interviewing skills, and more.
- Career Counseling (https://career.berkeley.edu/Info/MakeAppt): A wide variety of scheduled and drop-in appointment options based on major and topic.
- Internships (https://career.berkeley.edu/Internships/Internships): Internship listings, search strategies, FAQs, and more.
- Career Exploration (https://career.berkeley.edu/Info/CareerExp): Resources to explore career options, identify career goals, and develop effective career plans.
- Events and Workshops (https://career.berkeley.edu/Info/Events): Over 70 events each semester including workshops, alumni networking events, career panels, conferences, and on-campus Career Chats.
- Career Fairs and Employer Information Sessions (https://career.berkeley.edu/Callisto/Infosession): We offer 14 career fairs each year across a variety of career fields and partner with numerous employers for on-campus information sessions.
- Graduate and Professional School (https://career.berkeley.edu/Info/GradProf): Counseling and resources to help students research and apply for graduate and professional school including medical school (https://career.berkeley.edu/Medical/Medical) and law school (https://career.berkeley.edu/Law/Law).

Expand all course descriptions [+]Collapse all course descriptions [-]