# Bachelor of Arts in Environmental Studies Roadmap

120 Total Units Required  
Minimum Number of Units in the Major: 66

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 100</td>
<td>Preparation for Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>GE Area A: Oral Communication (A1) or Critical Thinking (A3) ¹</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GE Area A: Written English Communication (A2) ²</td>
<td>3</td>
<td></td>
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<tr>
<td>GE Area B: Quantitative Reasoning (B4) ³</td>
<td>3</td>
<td></td>
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<tr>
<td>Complementary Studies or SF State Studies or University Elective ⁴</td>
<td>3</td>
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<tr>
<td><strong>Units</strong></td>
<td></td>
<td>15</td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>CHEM 115 or CHEM 180</td>
<td>General Chemistry I: Essential Concepts of Chemistry or Chemistry for the Energy and the Environment</td>
<td>3-5</td>
</tr>
<tr>
<td>ENVS 224</td>
<td>Research Methods for Environmental Studies</td>
<td>4</td>
</tr>
<tr>
<td>Physical Environment – Select One:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ERTH 230</td>
<td>Environmental Geology</td>
<td></td>
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<tr>
<td>GEOG 101</td>
<td>Our Physical Environment</td>
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<tr>
<td>GE Area A: Oral Communication (A1) or Critical Thinking (A3) ¹</td>
<td>3</td>
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<tr>
<td>GE Area A: Written English Communication II (A4)</td>
<td>3</td>
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<tr>
<td>or Written English Communication (A2) Stretch II</td>
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<tr>
<td><strong>Units</strong></td>
<td></td>
<td>15-18</td>
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<tr>
<td><strong>Third Semester</strong></td>
<td></td>
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<tr>
<td>GE Area A: Written English Communication II (A4) if not already satisfied</td>
<td>3</td>
<td></td>
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<tr>
<td>or Complementary Studies SF State Studies or University Elective ⁴</td>
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<tr>
<td>GE Area B: Life Science (B2)</td>
<td>3</td>
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<tr>
<td>GE Area C: Arts (C1)</td>
<td>3</td>
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<tr>
<td>GE Area C: Arts (C1) or Humanities (C2)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GE Area D: U.S. History (D2) or U.S. and California Government (D3)</td>
<td>3</td>
<td></td>
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<tr>
<td><strong>Units</strong></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Fourth Semester</strong></td>
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<tr>
<td>GE Area C: Humanities: Literature (C3)</td>
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<tr>
<td>GE Area D: Social Sciences (D1)</td>
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<td></td>
</tr>
<tr>
<td>GE Area D: U.S. History (D2) or U.S. and California Government (D3)</td>
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</table>

**Total Units** 120-122

To avoid taking additional units, it is recommended that you meet LLD and SF State Studies requirements (AERM, GP, ES, SJ) within your GE or major.

### Fifth Semester

- BIOL 313 Principles of Ecology: 3
- CHEM 380 Chemistry Behind Environmental Pollution: 3
- ENVS 300 Environmental Studies: 3
- Emphasis Electives (11-12 units total): 3
- Complementary Studies or SF State Studies or University Elective: 3

**Units**: 15

### Sixth Semester

- ENVS 450GW Environmental Law and Policy - GWAR: 3
- Sustainability and Social Justice – Select One: 3
- Global/International – Select One: 3
- ENVS/I R 331 Global Environmental Crisis: 3
- ENVS 470 Climate Politics and Policy: 3
- GEOG/I R 428 International Political Economy of Food and Hunger: 3
- Emphasis Elective (11-12 units total): 3
- Complementary Studies or SF State Studies or University Elective: 3

**Units**: 15

### Seventh Semester

- Emphasis Elective (11-12 units total): 3
- GE Area UD-C: Upper Division Arts and/or Humanities (Consider SF State Studies Course): 3
- GE Area UD-D: Upper Division Social Sciences (Consider SF State Studies Course): 3
- Complementary Studies or SF State Studies or University Elective: 6

**Units**: 15

### Eighth Semester

- ENVS 680 Environmental Studies Internship: 3
- ENVS 690 Senior Seminar in Environmental Studies: 3
- Emphasis Electives (11-12 units total): 3
- Complementary Studies or SF State Studies or University Elective: 3

**Units**: 14
ENG 114 can only be taken if you complete Directed Self-Placement (DSP) and select ENG 114; if you choose ENG 104/ENG 105 through DSP you will satisfy A2 upon successful completion of ENG 105 in the second semester; multilingual students may be advised into alternative English courses.

Depending on courses completed through Early Start, students in Pathway/Category 3 or 4 may be required to enroll in a support course to complement their Quantitative Reasoning/B4 requirement. There are multiple course options for this pathway. Before enrolling in a B4 course, students should verify their MATH Pathway/Category in their Student Center (http://cms.sfsu.edu/content/student-center). Information regarding the courses that correspond with your MATH Pathway/Category can be found on the Developmental Studies Office Website (http://developmentalstudies.sfsu.edu).

Complementary Studies
Bachelor of Arts students must complete at least twelve units of complementary studies outside of the primary prefix for the major. (Note: Students may not use an alternate prefix that is cross-listed with the primary prefix for the major.)
Students who complete two majors or a major and a minor automatically complete the complementary studies requirement. Additional ways for students in the environmental studies B.A. program to satisfy the requirement is with one or more languages other than English; partial completion of a minor; partial completion of certificate; or a coherent group of courses approved by a major advisor as complementary to the major.
All complementary studies units must be approved by an advisor and all of the units must be separate from the units used to satisfy major requirements. Courses that fulfill complementary studies units may be lower or upper division units, resident or transfer units, or units taken in approved study abroad programs.

Emphasis Electives
Environmental Sustainability and Social Justice Emphasis (11–12 units)
The environmental sustainability and social justice emphasis provides students with a theoretical and applied understanding of the issues of sustainability and the connections between social justice and environmental problems and solutions. Students study the roles that values and social, political, and economic structures play in contributing to the environmental crisis. With the help of an advisor, students obtain depth by selecting elective courses from political science, American Indian studies, sociology, philosophy and religion, economics, urban studies and planning, geography, women and gender studies, and other related fields.
Take 11-12 units. Courses used to meet other requirements of the major cannot also be used to meet the environmental sustainability and social justice emphasis requirements.
ENVS 470 Climate Politics and Policy (3 units)
ENVS 530 Environmental Leadership and Organizing (3 units)
ENVS 570 Applied Local Sustainability (3 units)
GEOG 421 Future Environments (3 units)
PLSI 354 Politics, the Environment and Social Change (4 units)
USP 514 Sustainable Development in Cities (4 units)
USP 515 Environmental Justice: Race, Poverty, and the Environment (4 units)
The Urban Environment Emphasis (11–12 units)
The urban environment emphasis provides students with a strong interdisciplinary theoretical and empirical understanding for dealing with environmental issues in urban settings. With the help of an advisor, students obtain depth by selecting elective courses focusing on sustainable urban development, environmental justice, land-use planning, environmental policy, and the urban environment in a global perspective.
Take 11-12 units. Courses used to meet other requirements of the major cannot also be used to meet the the urban environment emphasis requirements.
GEOG 433 Urban Transportation (4 units)
GEOG 652 Environmental Impact Analysis (4 units)
GEOG 658 Land-Use Planning (4 units)
USP 514 Sustainable Development in Cities (4 units)
USP 515 Environmental Justice: Race, Poverty, and the Environment (4 units)

Humanities and the Environment Emphasis (11–12 units)
The humanities and the environment emphasis explores the varied and complex ways that different cultures—past and present—view and communicate about the environment. With an advisor, students choose coursework in disciplines dealing with verbal or visual communication, such as communication studies, creative writing, technical and professional writing, ethnic studies, journalism, photography, design, electronic media, and cinema.
Take 11–12 units. Courses used to meet other requirements of the major cannot also be used to meet the humanities and the environment emphasis requirements.
BEC A 502 Environmental Communication on Electronic Media (3 units)
ENG 535 Literature and Ecology (3 units)
JOUR 580 Environmental Journalism (3 units)
PHIL 470 Environmental Ethics (3 units)
PLSI 354 Politics, the Environment and Social Change (4 units)
WGS 593 Gender, Health and the Environment (3 units)
Sustainability and Social Justice
- ENVS 306 Economics and the Environment (3 units)
- ENVS 570 Applied Local Sustainability (3 units)
- PHIL 470 Environmental Ethics (3 units)
- USP 514 Sustainable Development in Cities (4 units)
- USP 515 Environmental Justice: Race, Poverty, and the Environment (4 units)