

# BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES - QUANTITATIVE REASONING CATEGORY I/II AND ENG 114

120 Total Units Required

Minimum Number of Units in the Major: 43

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

Course	Title	Units
<b>First Semester</b>		
ENG 114	Writing the First Year: Finding Your Voice (A2) <sup>1</sup>	3
ENVS 130	Environmental Studies (Major Core, ES)	3
GE Area A <sup>2</sup>		3
GE Area B: Quantitative Reasoning (B4) <sup>3</sup>		3
Complementary Studies or SF State Studies or University Elective <sup>4</sup>		3
Units		15
<b>Second Semester</b>		
Select One (Major Core):		3
CHEM 115	General Chemistry I: Essential Concepts of Chemistry	
CHEM 180	Chemistry for the Energy and the Environment (B1, B3, ES)	
Physical Environment - Select One (Major Elective):		3
ERTH 230	Environmental Geology (B1, B3, ES)	
GEOG 101	Our Physical Environment (B1, ES)	
GE Area A		3
GE Area D		3
GE Area E		3
Units		15
<b>Third Semester</b>		
ENVS 224	Research Methods for Environmental Studies (Major Elective)	4
GE Area B: Life Science (B2)		3
GE Area C		3
GE Area D		3

Complementary Studies or SF State Studies or University Elective <sup>4</sup>		3
Units		16
<b>Fourth Semester</b>		
GE Area C - Take Two		6
GE Area D		3
Complementary Studies or SF State Studies or University Elective - Take Two <sup>4</sup>		6
Units		15
<b>Fifth Semester</b>		
BIOL 313	Principles of Ecology (Major Elective)	3
CHEM 380	Chemistry Behind Environmental Pollution (Major Core, UD-B, ES)	3
ENVS 680	Environmental Studies Internship (Major Core)	1-3
Emphasis Electives (11-12 units total) - Take One <sup>5</sup>		3
Complementary Studies or SF State Studies or University Elective <sup>4</sup>		3
Units		13-15
<b>Sixth Semester</b>		
ENVS 450GW	Environmental Law and Policy - GVAR	3
Sustainability and Social Justice - Select One (Major Elective) <sup>6</sup>		3
Global/International - Select One (Major Elective):		3
ENVS/I R 331	Global Environmental Crisis (ES, GP, SJ)	
ENVS 470	Climate Politics and Policy (ES, GP)	
GEOG/I R 428	International Political Economy of Food and Hunger	
Emphasis Elective (11-12 units total) - Take One <sup>5</sup>		3
Complementary Studies or SF State Studies or University Elective <sup>4</sup>		3
Units		15
<b>Seventh Semester</b>		
Emphasis Elective (11-12 units total) - Take One <sup>5</sup>		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 - Take Two <sup>4</sup>		6
Units		15
<b>Eighth Semester</b>		
ENVS 690	Senior Seminar in Environmental Studies (Major Core)	3
Emphasis Electives (11-12 units total) - Take One <sup>5</sup>		3

Complementary Studies or SF State Studies or University Elective - Take Three <sup>4</sup>	10
Units	16
Total Units	120-122

<sup>1</sup> 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.

<sup>2</sup> To avoid taking additional units, it is recommended that you meet **SF State Studies** (AERM, GP, ES, SJ) and **Ethnic Studies requirements** within your GE or major.

<sup>3</sup> Depending on courses completed through Early Start, students in Pathway/Category III or IV 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/>).

<sup>4</sup> **Complementary Studies**  
 Bachelor of Arts students must complete at least 12 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 a 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.

<sup>5</sup> **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) (ES, GP)  
 ENVS 530 Environmental Leadership and Organizing (3 units)  
 ENVS 570 Applied Local Sustainability (3 units) (ES)  
 GEOG 421 Future Environments (3 units) (UD-D, ES, GP, SJ)  
 PLSI 354 Politics, the Environment, and Social Change (4 units) (UD-D, ES, SJ)  
 USP 514 Sustainable Development in Cities (4 units) (ES, SJ)  
 USP 515/GEOG 667 Environmental Justice: Race, Poverty, and the Environment (4 units) (ES, GP, SJ)  
**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 Urban Environment emphasis requirements.  
 GEOG 433/USP 433 Urban Transportation (4 units)  
 GEOG 652/USP 652 Environmental Impact Analysis (4 units)  
 GEOG 658/USP 658 Land-Use Planning (4 units)  
 GEOG 667/USP 515 Environmental Justice: Race, Poverty, and the Environment (4 units) (ES, GP, SJ)  
 USP 514 Sustainable Development in Cities (4 units) (ES, SJ)  
**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.  
 BECA 502 Environmental Communication on Electronic Media (3 units) (ES, SJ)  
 ENG 535 Literature and Ecology (3 units) (UD-C, ES)  
 JOUR 580 Environmental Journalism (3 units)  
 PHIL 470 Environmental Ethics (3 units) (UD-C, ES, SJ)  
 PLSI 354 Politics, the Environment, and Social Change (4 units) (UD-D, ES, SJ)  
 WGS 593 Gender, Health, and the Environment (3 units) (UD-D, ES, GP)

<sup>6</sup> **Sustainability and Social Justice**

ENVS 306/ECON 306 Economics and the Environment (3 units)

ENVS 460 Energy, Justice, and Sustainability (3 units)

ENVS 570 Applied Local Sustainability (3 units) (ES)

PHIL 470 Environmental Ethics (3 units) (UD-C, ES, SJ)

USP 514 Sustainable Development in Cities (4 units) (ES, SJ)

USP 515/GEOG 667 Environmental Justice: Race, Poverty, and the  
Environment (4 units) (ES, GP, SJ)