

SAMPLE 4-YEAR SCHEDULE FOR ENVIRONMENTAL SCIENCE MAJORS (FALL 2015-NEW INTEGRATIVE CORE)

1st year Fall (15 cr):

3 cr. BL155 Principles of Biology 1
1 cr. BL157 Principles of Biology 1 Lab
4 cr. PH115 Environmental Earth Science
1 cr. PH115L Environmental Earth Science Lab
3 cr. Written expression
3 cr. Foreign Language

2nd year Fall (16 cr):

4 cr. CH141 General Chemistry 1
1 cr. CH143 General Chemistry 1 Lab
4 cr. MT135 Calculus and Analytical Geometry
3 cr. BL159 Principles of Biology 3
1 cr. BL160 Principles of Biology 3 Lab
3 cr. elective

3rd year Fall (16 cr):

6 cr. Link
3 cr. PL-KR
4 cr. BL417/L Geographic Information Systems
3 cr. TRS Upper Division

4th year Fall (13-14 cr):

4 cr. BL 444/444L Advanced Ecology
3-4 cr. ES course
3 cr. elective
3 cr. Issues in Social Justice

1st year Spring (16 cr):

3 cr. BL156 Principles of Biology 2
1 cr. BL158 Principles of Biology 2 Lab
3 cr. PH206 Earth Science Systems
3 cr. Oral expression
3 cr. Foreign Language
3 cr. elective

2nd year Spring (14 cr):

4 cr. CH142 General Chemistry 2
1 cr. CH144 General Chemistry 2 Lab
3 cr. MT228 Biostatistics (Quantitative Analysis)
3 cr. BL222 General Ecology
3 cr. TRS Lower Division

3rd year Spring (15 cr):

3 cr. BL331 Global Climate Change
3 cr. ES elective
3 cr. PL-VS
6 cr. Exploring the Natural World

4th year Spring (14 cr):

4 cr. ES course
3 cr. PO/SC elective for ES majors
3 cr. Engaging the Global Community
3 cr. elective
1 cr. Creative and Performing Arts

Upper-level classes of interest to Environmental students are listed below by the semester(s) that they are typically offered. This is not a guarantee that each course will be offered every year or in a given semester. Courses that are offered in a 2-year rotation are indicated by “odd” or “even” year designation.

Fall:

BL 224/224L Terrestrial Ecology (odd)
BL 435/435L Plant Ecology (even)
BL 424/424L Aquatic Resources (odd)
BL 423/423L Biology of Amphibia (even)
BL 444/444L Advanced Ecology

Spring:

BL 331 Global Climate Change
BL 406 Tropical Field Biology
BL 417/L GIS
BL 419 Conservation Biology
BL 426/426L Biology of the Reptilia (odd)
BL 447/447L Algae as Bioindicators (odd)
BL 454/454L Desert Biology (even)

Both semesters:

BL 222 General Ecology

Other notes:

- CH 141-144 can be taken in the second year, as one option.
- Since many upper division BL classes are offered every other year, a student’s schedule may look different from what is presented. Classes that can be shifted from 3rd-to-4th year and vice versa are indicated with **.
- Internships and/or research experiences are strongly recommended. These can be pursued for credit.

CURRICULUM FOR ENVIRONMENTAL SCIENCE MAJOR

<i>Required Courses</i>	<i>Credits</i>
BL 155, 157 Principles I and lab	4
BL 156, 158 Principles II and lab	4
BL 159, 160 Principles III and lab	4
BL 222 Principles of Ecology	3
BL 224/224L Terrestrial Ecology or BL 435/435L Plant Ecology	3-4
BL 331 Global Climate Change	3
BL 424 Aquatic Resources or BL 447/447L Algae as Bioindicators	4
BL 444 Advanced Ecology	4
CH 141, 143 General Chemistry I	5
CH 142, 144 General Chemistry II	5
MT 135 Calculus and Analytical Geometry	4
MT 228 Biostatistics	3
PH 115/115L Environmental Earth Science	4
PH 206 Earth Systems Science	3
<i>Select one course from the following:</i>	3
PO 361 Environmental Politics and Policy	
PO 363 Environmental Law	
SC 290 Environmental Sociology	
SC 380 Environmental Movements and Society	
Total	57-58
 <i>Additional Courses (6 credits more)</i>	
BL 224/224L Terrestrial Ecology	3
BL 295 Undergraduate Research	1-3
BL 399 Guided Research	3
BL 406 Tropical Field Biology	3
BL 417/L Geographic Information Systems	4
BL 419 Conservation Biology	
BL 423/423L Biology of the Amphibia	4
BL 424/424L Aquatic Resources	4
BL 426/426L Biology of the Reptilia	4
BL 435/435L Plant Ecology	4
BL 447/447L Algae as Bioindicators	4
BL 454/454L Desert Biology	3/4
 <i>Recommended Courses</i>	
CH 222-225 Organic Chemistry	8

Total credit hours for major is 63-64 credits