



# Environmental Science

Bachelor of Science

The Environmental Science program will provide the foundation to pursue academic and career goals through a diverse curriculum including research experience (that incorporates writing oral communication and quantitative reasoning skills). Through collaboration and innovative teaching pedagogy, students will become independent, critical thinkers in environmental science.

## Career Options:

- Environmental Science
- Forestry
- Conservation Biology
- Wildlife Biology
- Public Education

*Careers such as laboratory technicians, industry scientists, outreach coordinators and research activists are also possible.*

## Major Requirements:

Life Science w/Lab	Ecology
Methods in Biology	Ecological Methods
Cell Biology	Agroecology
Evolution	Environmental Science w/Lab
Intro. to Environmental Science	College Algebra
Conservation Biology	Elementary Statistics
Global Water Issues	

## Concentration Requirements:

At least one course and lab from each category:

### *Biology Elective Tier:*

Any 300-400 level BIO course not required in major core, diversity tier or field biology tier.

<i>Field Biology Tier:</i>	<i>Diversity Tier:</i>	<i>Earth Science Tier:</i>	<i>Biology:</i>
Biology of Plants	Invertebrate Zoology	Physical Geology w/Lab	Environmental Health
Physiological Ecology	Vertebrate Zoology	or Fundamentals of Marine Geology w/Lab	
Internship	Microbiology		

## Minor Requirements:

Cell Biology  
 Evolution  
 Intro. to Environmental Science  
 Global Water Issues  
 Ecology  
 Agroecology

## Department Contact:

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## General Education Requirements

<b>I. Interdisciplinary Requirements</b>	<b>Credits</b>	<b>IV. Humanities Courses</b>	<b>Credits</b>
Ethics	3	Religion	3
International Studies	3	English Composition	6
<hr/>		Literature	3
Total Hours	6	Art, Music or Entertainment/Theatre	3
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<b>II. Science Courses</b>	<b>Credits</b>	Total Hours	15
Mathematics	3	<b>TOTAL GENERAL EDUCATION HOURS</b>	<b>41</b>
Biology, including lab	4		
Physics, Earth Science or Chemistry, incl. lab	4		
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Total Hours	11		
		Unless otherwise specified, transferred credits may be used to fulfill the general requirements at the Registrar's discretion.	
<b>III. Social Science Courses</b>	<b>Credits</b>		
History, Political Science	3		
Communication, Economics, Geography or Criminal Justice	3		
Psychology or Sociology	3		
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Total Hours	9		

## Major Requirements

	Credits		Credits
BIO 101 Life Science	3	BIO 325 Environmental Science Lab	2
BIO 102 Life Science Lab	1	BIO 301 Conservation Biology	4
BIO 123 Methods in Biology	2	BIO 330 Global Water Issues	5
BIO 200 Cell Biology	3	BIO 401 Ecology	3
BIO 222 Evolution	3	BIO 402 Ecological Methods	2
BIO 224 Intro. to Environmental Science	3	MAT 113 College Algebra	3
BIO 226 Agroecology	3	Mat 213 Elementary Statistics	3
BIO 324 Environmental Science	3		

## Concentration Requirements

	Credits
BIO 311, 314 or 316 Diversity Tier Requirement	3-4
ERS 141 or 171 Earth Science Tier Requirement	3
ERS 142 or 172 Earth Science Tier Lab Requirement	1
BIO 304, 404 or 425 Field Biology Tier Requirement	3-4
Biology Tier Elective (300-400 level)	3

## General Graduation Guidelines:

Total of 120 semester hours, 39 of which must be numbered 300 or 400.

(Other programs may require coursework beyond 120 semester hours.)

At least 9 semester hours of courses designated as writing intensive.

A declared major.

A cumulative GPA average of C (2.00) and at least a C average in the graduation major.