

Environmental Science
(Department of Biological Sciences)

Major Requirements

<u>Major Courses</u>	<u>Credits</u>	<u>Semester Completed</u>
[BIOL 160] Molecular and Cellular Biology	4	
[BIOL 161] Animal Form and Function	3	
[BIOL 162] Plant Form and Function	3	
[BIOL 260] Genetics and Development	3	
[BIOL 262] Ecology and Adaptation	4	
[BIOL 271] Ecological Field Techniques	2	
[BIOL 274] Environmental Science	3	
[BIOL 315] Environmental Ethics	3	
One of the following:	4	
[BIOL 321] Mycology (4)		
[BIOL 332] Plant Taxonomy (4)		
<i>One of the following:</i>	4	
[BIOL 356] Ornithology (4)		
[BIOL 358] Herpetology (4)		
[BIOL 495] Capstone: Natural Sciences	3	
[CHEM 105] General Chemistry I	4	
[CHEM 106] General Chemistry II	4	
[CHEM 204] Introduction to Organic Chemistry *	4	
[CHEM 340] Environmental Chemistry *	4	
Nine credits approved electives **	9	
<i>One of the following:</i>	3 or 4	
[MATH 108] Intuitive Calculus with Applications (3)		
[MATH 111] Calculus I (4)		
<i>One of the following:</i>	3	
[PHIL 101] Problems in Philosophy (3)		
[PHIL 102] History of Philosophy (3)		
[STAT 269] Introductory Statistics	3	

*All Environmental Science majors must take CHEM 204 and CHEM 340. Those students intending to enter graduate school and whose work will involve a significant amount of chemical emphasis should substitute CHEM 309, 310 for CHEM 204.

**All Environmental Science majors are required to complete one course at AuSable Institute. AuSable courses can count only as elective credit with the exception of Environmental Ethics. Majors are encouraged to do an internship and/or research experience.

General Education requirements on reverse side

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(Department of Biological Sciences)

General Education Requirements

<u>Courses</u>	<u>Credits</u>	<u>Semester Completed</u>
First Year Seminar	3	
Oral Communications	3	
Created and Called for Community	3	
Mathematical Sciences ([MATH 108] or [MATH 111])	3 or 4	<u>met by major</u>
Laboratory Science ([BIOL 160] , [BIOL 161] , [BIOL 162] , or [CHEM 105])	3 or 4	<u>met by major</u>
Science, Technology & the World ([BIOL 274])	3	<u>met by major</u>
Two of the following:	6	
Social Science (3 credits)		
European History (3 credits)		
United States History (3 credits)		
Literature	3	
Philosophy and Religion ([PHIL 101] or [PHIL 102])	3	<u>met by major</u>
Arts	3	
Language/Cross Cultural		
First Semester of Language	3	
Second Semester of Language	3	
Third Semester of Language or Cross Cultural	3	
Non-Western Studies	2 or 3	
Bible	3	
Christian Beliefs	3	
Health and Physical Fitness		
Introduction to Wellness	2	
Activity Course	1	
One of the following:	3	
Ethics (3 credits – [ASI 350] or [BIOL 315])		<u>met by major</u>
World Views (3 credits)		
Pluralism in Contemporary Society (3 credits)		
Writing Enriched Course		

SUMMARY OF DEGREE REQUIREMENTS:

General Education	41-42
Major Requirements	70-71
Free Electives	10-12
Total	123

Major requirements on reverse side