

Environmental Studies with Environmental Public Policy Concentration
(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	
<i>Seven to eight credits of approved electives chosen from the following:</i>	7-8	
[BIOL 290] Topics in Field Biology (3)		
[BIOL 321] Mycology (4)		
[BIOL 332] Plant Taxonomy (4)		
[BIOL 334] Plant Ecology (4)		
[BIOL 356] Ornithology (4)		
[BIOL 358] Herpetology (4)		
[BIOL 362] Aquatic Biology (4)		
[GIS 245] Introduction to Geographic Information Systems (3)		
300- or 400-level AuSable Institute or Temple University (4)		
[BIOL 495] Capstone: Natural Sciences	3	
[CHEM 103] Chemical Science	4	
[ENGL 174] Literature and the Environment	3	
<i>One of the following:</i>	3	
[PHIL 101] Problems in Philosophy (3)		
[PHIL 102] History of Philosophy (3)		
[STAT 269] Introductory Statistics	3	
Environmental Public Policy Concentration		
[ECON 117] Issues in Environmental Economics	3	
[POLI 113] American Government	3	
[POLI 212] International Politics	3	
[POLI 213] Comparative Politics	3	
[POLI 243] Political Research Methods	3	
[POLI 323] Public Policy	3	
<i>Six credits from the following:</i>	6	
POL SCI 3152 U.S. Environmental Policy (3)*		
POL SCI 3265 International Environmental Policy (3)*		
[POLI 495] Internship in Political Research (6)**		
American Studies Program - Washington, D.C. (6)		

NOTE: A minimum of 18 credits from the core and concentration combined must be at the 300-level or higher

*Courses taken at the Messiah College-Philadelphia Campus in conjunction with Temple University.

**[\[POLI 495\]](#) Internship must have an environmental focus.

General Education requirements on reverse side

August 2009

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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 ([STAT 269])	3 or 4	<u>met by major</u>
Laboratory Science ([BIOL 160] , [BIOL 161] , [BIOL 162] , or [CHEM 110])	3 or 4	<u>met by major</u>
Science, Tech & World ([BIOL 274])	3	<u>met by major</u>
Two of the Following:		
Social Science (3 credits – [ECON 117] or [POLI 113])	3	<u>met by major</u>
European History (3 credits)	3	
United States History (3 credits)	3	
Literature ([ENGL 174])	3	<u>met by major</u>
Philosophy and Religion ([PHIL 101] or [PHIL 102])	3	<u>met by major</u>
Arts	3	
Language/Cross Cultural		
First Level of Language	3	
Second Level of Language	3	
Third Level 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 – [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	35
Core Requirements	48-49
Concentration Requirements	24
Free Electives	15-16
Total	123

Major requirements on reverse side

August 2009