

CATALOG YEAR 2011
(Please use separate form for each add/change)

COLLEGE/SCHOOL/SECTION: College of Arts and Sciences

Course: Add: Delete:
(check all that apply) Change: Number Title SCH Description Prerequisite
New course will be part of major minor as a required
or elective course
New course will introduce , reinforce , or apply concepts

If new, provide Course Prefix, Number, Title, **Measurable** Student Learning Outcomes, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current online catalog, provide change and attach text with changes in red and provide a brief justification.

Program: Delete: Add: Change: X Attach new/changed Program of Study description and 4-year plan. If in current catalog, provide change and attach page with changes in red.

Minor: Add: Delete: Change: Attach new/changed minor. If in current catalog, provide change and attach page with changes in red.

Faculty: Add: Delete: Change: Attach new/changed faculty entry. If in current catalog, provide change and attach page with changes in red.

College Introductory Pages: Add information: Change information:
Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Other: Add information: Change information: Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Approvals:	Signature	Date
Chair Department Curriculum Committee	_____	_____
Chair Department	_____	_____
Chair College Curriculum Committee	_____	_____

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03/01/10

Degree Requirements for the BS with a Major in Environmental Science

1. Hours Required: A minimum of 120 semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation" section of this catalog.
2. University Core Curriculum: 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation". BIOL 1406 and ~~BIOL 1414~~ **GEOL 1303/1103** must be taken as part of the core. **MATH 1342 must be taken as part of the core.**
3. MATH **Elective**: 4 SCH, ~~MATH 1342 and 1 excess SCH from the Core Curriculum~~ **MATH 2412 or MATH 2413.**
4. Major: ~~530~~ **51** SCH including BIOL ~~1413, 2421,~~ 3410; CHEM 1411, 1412, 2423 and 3400; ENSC **1301/1101, 3401, 3310, and 4170, 4310, 4340, 4410;** ~~EPSC 2401;~~ GEOL ~~13035, and 11035 and 4460.~~ ENSC 4410 should be 4430 per e-mail from Dr. Mott.
ENSC 4310 changed to ENSC 4410, UCC 93.
Change in number increases major to 51 SCH.
5. Restricted Electives: ~~Section I: 17 SCH selected from ECO 4399, ENSC 3310, 3340, 4310, 4173-4473, 4420, 4430. ENSC 4173-4473 may be repeated for up to 8 SCH of credit within the degree program. Section II: 4 SCH selected from BIOL 3404, 3414, 3416, 4402, 4404, 4408, 4441, CHEM 3405, 3451, or 4199-4499. CHEM 4199-4499 must directly related to the environmental sciences and be taken with approval from instructor and environmental sciences faculty.~~ **Lower Division: 8 SCH selected from BIOL 1411, 1413, 2421; EPSC 2401. Upper Division: 16 SCH selected from BIOL, CHEM, GEOL or ENSC 4173-4473, which may be repeated for up to 4 SCH. One course must be selected from each discipline (BIOL/CHEM/GEOL).**
Upper division restricted electives reduced to 15 SCH to keep degree at 120 SCH per e-mail from Dr. Mott.
Upper Division Restricted electives changed to read: 15 SCH from BIOL. CHEM. ENSC or GEOL. One course must be selected from each discipline.

BACHELOR OF SCIENCE MAJOR IN ENVIRONMENTAL SCIENCE

FALL		HR	SPRING		HR
FRESHMAN YR			FRESHMAN YR		
BIOL 1406	Cell & Molecular Biology	4		Lower Div Restricted Elect ¹	4
CHEM 1411	General Chemistry I	4	CHEM 1411	General Chemistry II	4
ENGL 1301	English Composition I	3	ENGL 1301	English Composition II	3
PSCI 2305	American National Govt	3	HIST 1302	The U.S. Since 1877	4
HIST 1301	The U.S. to 1877	3			
Total		17			15
SOPHOMORE YR			SOPHOMORE YR		
CHEM 2423	Organic Chemistry I	4		Lower Div Restricted Elect ¹	4
ENSC 1301/1101	Intro to Environ. Systems	4	ENSC 3401	Environmental Science	4
GEOL 1303	Physical Geology	3	GEOL 1305	Environmental Geology	3
GEOL 1103	Physical Geology Lab	1	GEOL 1105	Environmental Geology Lab	1
ENGL	Survey of Literature *	3	MATH 1342	Introductory Statistics	3
Total		15			15
JUNIOR YR			JUNIOR YR		
	Upper Div Restricted Elect ²	4		Upper Div Restricted Elect ²	4
	Math Elective ³	4	BIOL 3410	Ecology	4
ENGL 2311	Technical Writing	3	CHEM 3400	Environmental Chemistry	4
ENSC 3310	Environ./Natural Res. Conserv.	3	PSCI 2306	American State Govt	3
Total		14			15
SENIOR YR			SENIOR YR		
	Upper Div Restricted Elect ²	4		Upper Div Restricted Elect ²	4
ENSC 4170	Senior Seminar	1	BIOL/ENSC 4430	Limnology	4
ENSC 4310	Environ.	3	ENSC 4340	Environ. Public	3

	Toxiology			Policy	
GEOL 4460	Introduction to GIS	4		Soc/Behavioral Science *	3
	Visual/Performing Arts *	3		Activty/Wellness	1
Total		15			15

¹ Lower Division: 8 SCH selected from BIOL 1411, 1413, 2421; EPSC 2401.

² Upper Division: 16 SCH selected from BIOL, CHEM, GEOL or ENSC 4173-4473, which may be repeated for up to 4 SCH. One course must be selected from each discipline (BIOL/CHEM/GEOL).

³ MATH Elective: Select MATH 2412 or MATH 2413.