

**Ecology Option
(For students entering in Fall 2009)**

Freshman Year/Fall Semester		Cr.	Freshman Year/Spring Semester		Cr.
__42.101	College Writing	3	__42.102	College Writing II	3
__81.111	Principles of Biology I	3	__81.112	Principles of Biology II	3
__81.117	Experimental Biology I	1	__81.118	Experimental Biology II	1
__84.121	Chemistry I	3	__84.122	Chemistry II	3
__84.123	Chemistry I Lab	1	__84.124	Chemistry II Lab	1
__ __. __	(Gen. Ed.) Social Science*	<u>3</u>	__92.131	Calculus I	<u>4</u>
		14			15
Sophomore Year/Fall Semester		Cr.	Sophomore Year/Spring Semester		Cr.
__81.201	General Microbiology	3	__81.252	Physiology	3
__81.203	General Microbiology Lab	2	__81.254	Physiology Lab	2
__84.221	Organic Chemistry I-A	3	__84.222	Organic Chemistry II-A	3
__84.229	Organic Chemistry I-A Lab	1	__84.230	Organic Chemistry II-A Lab	1
__92.132	Calculus II	4	__92.283/385	Statistics Elective	3
__ __. __	(Gen. Ed.) Social Science *	<u>3</u>	__ __. __	(Gen. Ed.) Arts/Humanities *	<u>3</u>
		16			15
Junior Year/Fall Semester		Cr.	Junior Year/Spring Semester		Cr.
__81.315	Principles of Ecology	3	__81.320	Botany	3
__81.317	Principles of Ecology Lab	1	__81.322	Botany Lab	1
__81.335	Principles of Genetics	3		OR	
__81.337	Experimental Genetics	1	__81.306	Invertebrate Zoology	3
__95.103	General Physics I	3	__81.308	Invertebrate Zoology Lab	1
__96.103	Gen Physics Lab I	1	__81.404	Environmental Microbiology	3
__ __. __	(Gen. Ed.) Social Science *	<u>3</u>	__95.104	General Physics II	3
		15	__96.104	Gen. Exp. Physics II	1
			__ __. __	(Gen. Ed.) Arts/Humanities *	<u>3</u>
					14
Senior Year/Fall Semester		Cr.	Senior Year/Spring Semester		Cr.
__81.419	Biochemistry	3	__81.451	Senior Seminar in Adv Topics	1
__81.421	Biochemistry Techniques	2	__81.423	Biology of Global Change	3
__ __. __	Ecology Elective*	3	__ __. __	(Gen. Ed.) Arts/Humanities *	3
__81.451	Senior Seminar Adv Topics I	1	__ __. __	Ecology Elective*	3
__ __. __	Ecology Elective ²	3	__ __. __	Free Elective**	3
__ __. __	Free Elective**	<u>3</u>	__ __. __	Free Elective	<u>3</u>
		15			16

Minimum total credits = 120

* Consult the *Schedule of Classes* booklet regarding General Education (Gen. Ed.) requirements. The General Education Electives may be taken in any order. On Ethics (E) course and one Diversity course (D) need to be included among the total of Six AH and SS courses. Any UML course XX.101 and above will fulfill the Free Elective requirement (exception-math courses must be above the level of Calculus II) Additional Biology lecture and laboratory courses (with an 81 prefix) may be taken to fulfill the Free Elective Requirement.

¹ Students should see their advisor for a list of approved courses.