

Ecology Option
(For students entering in Fall 2011)

Freshman Year/Fall Semester	Cr.	Freshman Year/Spring Semester	Cr.
___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
___81.116 Freshmen Seminar	1	___84.122 Chemistry II	3
___84.121 Chemistry I	3	___84.124 Chemistry II Lab	1
___84.123 Chemistry I Lab	1	___92.131 Calculus I	4
___42.101 College Writing I	3	___42.102 College Writing II	<u>3</u>
___ __. __ (Gen. Ed.) Social Science*	<u>3</u>		15
	15		
Sophomore Year/Fall Semester	Cr.	Sophomore Year/Spring Semester	Cr.
___81.235 Genetics	3	___81.252 Physiology	3
___81.237 Problems in Genetics	1	___84.222 Organic Chemistry II-A	3
___84.221 Organic Chemistry I-A	3	___84.230 Organic Chemistry II-A Lab	1
___84.229 Organic Chemistry I-A Lab	1	___92. ___ Statistics Elective	3
___92.132 Calculus II	4	___ __. __ (Gen. Ed.) Arts/Humanities*	3
___ __. __ (Gen. Ed.) Social Science*	<u>3</u>	___ __. __ Free Elective****	<u>3</u>
	15		16
Junior Year/Fall Semester	Cr.	Junior Year/Spring Semester	Cr.
___81.315 Principles of Ecology	3	___81.404 Environmental Microbiology	3
___81.317 Principles of Ecology Lab	1	___81.426 Evolutionary Biology	3
___81.301 Microbiology	3	___95.104 General Physics II	3
___95.103 General Physics	3	___96.104 General Physics II Lab	1
___96.103 General Physics Lab I	1	___ __. __ (Gen. Ed.) Arts/Humanities*	3
___ __. __ (Gen. Ed.) Social Science*	<u>3</u>	___ __. __ Free Elective****	<u>3</u>
	14		16
Senior Year/Fall Semester	Cr.	Senior Year/Spring Semester	Cr.
___81.419 Biochemistry	3	___81.423 Biology of Global Change	3
___81.421 Techniques of Biochemistry	2	___81.3/4 Ecology Elective**	3
___81.3/4 Ecology Elective w/ Lab**	4	___81.3/4 Ecology Elective**	3
___81.451 Senior Seminar	2	___ __. __ Free Elective****	3
___ __. __ Free Elective***	<u>3</u>	___ __. __ (Gen. Ed.) Arts/Humanities*	<u>3</u>
	14		15

Minimum total credits = 120

* The General Education (Gen. Ed.) Electives for SS and AH may be taken in any order. Consult the General Education web site (<http://www.uml.edu/gened/courses.html>) for the list of approved courses. One Ethics course (E) and one Diversity course (D) need to be included among the total of six AH and SS courses.

** Consult advisor for approved list

*** 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.