

**Program of Studies for Biological Sciences
(For Students entering in Fall 2009)**

Freshman Year/Fall Semester		Cr.	Freshman Year/Spring Semester		Cr.
__42.101	College Writing I	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	___.	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.
__81.419	Biochemistry	3	__81.3/4	Biology Elective	3
__81.421	Techniques in Biochemistry	2	__81.3/4	Env. Biology Elective**	3
__81.335	Principles of Genetics	3	__95.104	General Physics II	3
__81.337	Experimental Genetics	1	__96.104	Gen. Physics II Lab	1
__95.103	General Physics I	3	__.	(Gen. Ed.) Arts/Humanities*	<u>3</u>
__96.103	Gen. Experimental Physics I	1			13
__.	(Gen.Ed.) Social Science*	<u>3</u>			
		16			

Senior Year/Fall Semester		Cr.	Senior Year/Spring Semester		Cr.
__81.451	Senior Seminar in Adv. Topics	1	__81.451	Senior Seminar in Adv. Topics	1
__81.411	Senior Research OR		__81.412	Senior Research OR	
__81.3/4	Biology Elective w/Lab	4	__81.3/4	Biology Elective w/Lab	4
__81.3/4	Biology Elective	3	___.	(Gen. Ed.) Arts/Humanities *	3
___.	Free Elective***	3	___.	Free Elective***	3
___.	Free Elective***	3	___.	Free Elective***	<u>3</u>
___.	Free Elective***	<u>3</u>			14
		17			

Minimum Total Credits = 120

*The General Education Electives for SS and AH may be taken in any order.

Consult the *Schedule of Classes* booklet regarding General Education (Gen. Ed.) requirements.

The department will determine which courses you should take to fulfill the University's Gen. Ed. requirements in Ethics (E) and Diversity (D).

** 81.315, 81.404, 81.423

*** 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.