

Program of Studies for Chemistry
(For Students entering in Fall 2011)

Freshman Year/Fall Semester		Cr.	Freshman Year/Spring Semester		Cr.
__42.101	(Gen. Ed.) College Writing 1	3	__42.102	(Gen. Ed.) College Writing II	3
__84.121	Chemistry I	3	__84.122	Chemistry II	3
__84.123	Chemistry I Lab	1	__84.124	Chemistry II Lab	1
__92.131	Calculus I	4	__92.132	Calculus II	3
___. __.	(Gen. Ed.) Social Science	3	___. __.	(Gen. Ed.) Arts/Humanities	4
__84.105	Intro Disc. Chemistry	<u>1</u>			14
		15			

Sophomore Year/Fall Semester		Cr.	Sophomore Year/Spring Semester		Cr.
__84.221	Organic Chemistry I	3	__84.222	Organic Chemistry II	3
__84.227	Organic Chemistry I Lab	2	__84.228	Organic Chemistry II Lab	2
__95.141	Physics I	3	__84.260	Information Retrieval ¹	1
__96.141	Physics I Lab	1	__95.144	Physics II	3
__92.231	Calculus III	4	__96.144	Physics II Lab	1
___. __.	Free Elective	<u>3</u>	__92.234	Differential Equations	3
		16	___. __.	(Gen. Ed.) Social Science	<u>3</u>
					16

Junior Year/Fall Semester		Cr.	Junior Year/Spring Semester		Cr.
__84.313	Analytical Chemistry I	3	__84.314	Analytical Chemistry II	3
__84.315	Analytical Chemistry I Lab	2	__84.316	Analytical Chemistry II Lab	2
__84.344	Physical Chemistry I	3	__84.345	Physical Chemistry II	3
__84.346	Physical Chemistry Lab I	2	__84.350	Physical Bioinorganic Lab	2
___. __.	(Gen. Ed.) Social Science	3	___. __.	(Gen. Ed.) Arts/Humanities	3
___. __.	Free Elective	<u>3</u>	___. __.	Free Elective	<u>3</u>
		16			16

Senior Year/Fall Semester		Cr.	Senior Year/Spring Semester		Cr.
__84.443	Adv. Inorganic Chemistry	3	__84.4__	Chemistry Elective ³	3
__84.445	Adv. Inorganic Chem. Lab	2	___. __.	(Gen. Ed.) A/H (45.203 Intro to Ethics Recommended)	3
__84.419	Biochemistry I ⁴	3	___. __.	Free Elective	3
__84.4__	Chemistry Elective ³	3	___. __.	Free Elective	3
__84.4__	Chemistry Elective (Lab) ³	1	___. __.	Free Elective	<u>3</u>
___. __.	Free Elective	<u>3</u>			15
		15			

Minimum Total Credits =120

¹This course fulfills the University's Gen. Ed. requirement for Information Literacy.

²This course fulfills the University's Gen. Ed. requirements for Ethics (E). The University's Gen. Ed. requirement in Diversity (D) should be met by completing an approved course outside of the major.

³By mutual agreement between a Chemistry faculty member and a student, Directed Research 84.407 and 84.408 may be utilized to fulfill this requirement.

⁴ Graduate level Biochemistry 1 (84.550) may be substituted for 84.419.

* Consult the General Education Program Course Website: <http://www.uml.edu/gened> for General Education requirements. The General Education Electives may be taken in any order.