

Chemistry
(Department of Chemistry and Biochemistry)

Major Requirements

<u>Major Courses</u>	<u>Credits</u>	<u>Semester Completed</u>
[CHEM 105] General Chemistry I	4	_____
[CHEM 106] General Chemistry II	4	_____
[CHEM 221] Chemical Analysis I	4	_____
[CHEM 309] Organic Chemistry I	4	_____
[CHEM 310] Organic Chemistry II	4	_____
[CHEM 321] Chemical Analysis II	4	_____
[CHEM 337] Physical Chemistry I	3	_____
[CHEM 338] Physical Chemistry II	4	_____
[CHEM 342] Advanced Synthesis Lab	2	_____
[CHEM 361] Inorganic Chemistry	4	_____
[CHEM 390] Junior Chemistry Seminar	1	_____
[CHEM 490] Senior Chemistry Seminar	1	_____
Three credits CHEM electives	3	_____
[CHEM 495] Capstone: Natural Sciences	3	_____
[MATH 111] Calculus I	4	_____
[MATH 112] Calculus II	4	_____
<i>One of the following:</i>	3	_____
[PHIL 101] Problems in Philosophy (3)		
[PHIL 102] History of Philosophy (3)		
[PHYS 211] General Physics I	4	_____
[PHYS 212] General Physics II	4	_____
<i>One of the following:</i>	3 or 4	_____
Three credits COSC elective (3)		
[MATH 211] Calculus III (4)		
[STAT 269] Introductory Statistics (3)		

All of the courses in this major are vital to our program. If you plan to study abroad, attend the Philadelphia campus, or graduate early, you must talk to your advisor early and make plans to take the required courses when they are offered. Directed study will not be offered for any lab courses, and will only be granted in extreme circumstances for non-lab courses.

General Education requirements on reverse side

Revised June 2008

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<u>Courses</u>	<u>Credits</u>	<u>Semester Completed</u>
First Year Seminar	3	_____
Oral Communications	3	_____
Created and Called for Community	3	_____
Mathematical Sciences ([MATH 111])	3 or 4	<u>met by major</u>
Laboratory Science ([CHEM 105])	3 or 4	<u>met by major</u>
Science, Technology & the World		<u>waived</u>
Two of the following:	6	
Social Science (3 credits)		_____
European History (3 credits)		_____
United States History (3 credits)		_____
Literature	3	_____
Philosophy and Religion ([PHIL 101] or [PHIL 102])	3	<u>met by major</u>
Arts	3	_____
Language/Cross Cultural		
First Semester of Language	3	_____
Second Semester of Language	3	_____
Third Semester of Language or Cross Cultural	3	_____
Non-Western Studies	2 or 3	_____
Bible	3	_____
Christian Beliefs	3	_____
Health and Physical Fitness		
Introduction to Wellness	2	_____
Activity Course	1	_____
One of the following:	3	
Ethics (3 credits)		_____
World Views (3 credits)		_____
Pluralism in Contemporary Society (3 credits)		_____
Writing Enriched Course		_____

SUMMARY OF DEGREE REQUIREMENTS:

General Education	44-45
Major Requirements	67-68
Free Electives	10-12
Total	123

Major requirements on reverse side