

**Chemistry with Secondary Teaching Certification (B.A.)**  
(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 337] Physical Chemistry I	3	
[CHEM 390] Junior Chemistry Seminar	1	
[CHEM 490] Senior Chemistry Seminar	1	
10-12 credits CHEM electives	10-12	
[CHEM 495] Capstone: Natural Sciences	3	
[MATH 111] Calculus I	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>	3-4	
[COSC 171] Problem Solving with Computers (3)		
[COSC 181] Computer Programming I (3)		
[MATH 112] Calculus II (4)		
[STAT 269] Introductory Statistics (3)		
ENGL XXX (ENGL 122 to ENGL 176)	3	
[EDUC 201] Education and American Society	3	
[EDUC 203] Educational Psychology	3	
[EDUC 210] Sophomore Field Experience	0	
[EDSP 207] Introduction to Special Education	3	
[ENGL 330] Methodology in Teaching English as a Second Lang.	3	
[EDUC 310] Junior Field Experience	0	
[EDUC 331] Instructional Design & Assessment for Secondary Ed.	3	
[EDSP 307] Inclusion Practices	3	
[ESS 201] Earth and Space Science	3	
<b>Professional Semester:</b>		
[CHEM 407] Secondary Science Curriculum & Instruction	2	
[PSYC 311] Adolescent Development	3	
[EDUC 420] Professional Issues in Education	2	
[EDUC 435] Student Teaching: Secondary	8	

General Education requirements on reverse side

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### General Education Requirements

<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 ( <a href="#">[MATH 111]</a> )	3 or 4	<u>met by major</u>
Laboratory Science ( <a href="#">[CHEM 105]</a> )	3 or 4	<u>met by major</u>
Science, Technology & the World		<u>waived</u>
<b>Two</b> of the following:	6	
Social Science (3 credits – <a href="#">[EDUC 203]</a> )		<u>met by major</u>
European History (3 credits)		
United States History (3 credits)		
Literature (ENGL 122 to ENGL 176)	3	<u>met by major</u>
Philosophy and Religion ( <a href="#">[PHIL 101]</a> or <a href="#">[PHIL 102]</a> )	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 ( <a href="#">[THEO 223]</a> required to waive Non-Western requirement)	2 or 3	<u>waived</u>
Bible	3	
Christian Beliefs ( <a href="#">[THEO 223]</a> )	3	
Health and Physical Fitness		
Introduction to Wellness	2	
Activity Course	1	
<b>One</b> of the following: ( <a href="#">[EDUC 201]</a> )	3	<u>waived</u>
Ethics (3 credits)		
World Views (3 credits)		
Pluralism in Contemporary Society (3 credits)		
Writing Enriched Course		

#### SUMMARY OF DEGREE REQUIREMENTS:

General Education	33
Major Requirements	95-98
<b>Total</b>	<b>128-131</b>

Major requirements on reverse side

August 2009