

Chemistry with Teaching Certification
(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	3	_____
[CHEM 309] Organic Chemistry I	4	_____
[CHEM 310] Organic Chemistry II	4	_____
[CHEM 321] Chemical Analysis II	4	_____
[CHEM 337] Physical Chemistry I	3	_____
<i>One of the following:</i>	2-4	_____
[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	_____
[BIOL 151] Biology II	2	_____
[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 or 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 American or British Literature	3	_____
[EDUC 120] The Teaching Profession	1	_____
[EDUC 201] Education and American Society	3	_____
[EDUC 203] Educational Psychology	3	_____
[EDUC 318] Secondary Learning Environments	1	_____
[EDUC 331] Instructional Design & Assessment for Secondary Ed.	3	_____
[ESS 201] Earth and Space Science	3	_____
Professional Semester:		
[CHEM 407] Secondary Science Curriculum & Instruction	2	_____
[PSYC 311] Adolescent Development	3	_____
[EDUC 420] Professional Issues in Education	2	_____
[EDUC 435] Student Teaching: Secondary	9	_____

General Education requirements on reverse side

(revised May 2007)

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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 ([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 – [EDUC 203])		<u>met by major</u>
European History (3 credits)		_____
United States History (3 credits)		_____
Literature (American or British literature only)	3	<u>met by major</u>
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	<u>waived</u>
Bible	3	_____
Christian Beliefs ([THEO 223])	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	36
Major Requirements	93-96
Total	129-132

Major requirements on reverse side

(revised May 2007)