

Bachelor of Science in CHEMISTRY

Physical Science Education

8-12 Certification

Catalog Year: 2006-2007

* Upper division Hours

NAME: _____

ID#: _____

<u>UNIVERSITY CORE CURRICULUM</u>		Grade	SCH	GP
Eng. Composition	<u>ENGL 1301</u>	_____	3	_____
	<u>ENGL 1302</u>	_____	3	_____
Oral Communication	<u>COMM 1315</u>	_____	3	_____
Mathematics	<u>MATH 2413</u>	_____	(4)	_____
Science	<u>BIOL 1406</u>	_____	4	_____
	<u>BIOL 1407</u>	_____	4	_____
English lit	<u>See List</u>	_____	3	_____
US History	<u>HIST 1301</u>	_____	3	_____
	<u>HIST 1302</u>	_____	3	_____
US Government	<u>POLS 2305</u>	_____	3	_____
	<u>POLS 2306</u>	_____	3	_____
Fine Arts	<u>See List</u>	_____	3	_____
Economics	<u>ECON 2301</u>	_____	3	_____
Social Science	<u>PSYC 2301</u>	_____	3	_____
Philosophy	<u>*PHIL 3340</u>	_____	3	_____
TOTAL (12)			44	0

BIOL 1406 & 1407 are prereqs for CHEM 4401

SPECIAL FOUNDATIONS

Course		Grade	SCH	GP
PHYS 2425	<u>University Physics I</u>	_____	4	_____
PHYS 2426	<u>University Physics II</u>	_____	4	_____
MATH 2413	<u>Calculus I</u>	_____	4	_____
MATH 2414	<u>Calculus II</u>	_____	4	_____
TOTAL			16	

PROFESSIONAL DEVELOPMENT

		Grade	SCH	GP
*READ 3353	<u>Content Area Read</u>	_____	3	_____
*EDCI 3311	<u>School & Society</u>	_____	3	_____
*EDCI 4606	<u>Field Based Semester</u>	_____	6	_____
*EDUC 4993	<u>Student Teaching</u>	_____	9	_____
*EDCI 4312	<u>Classroom Mgmt</u>	_____	3	_____
*EDCI 4322	<u>Special Populations</u>	_____	3	_____
TOTAL			27	

CHEMISTRY Emphasis-

CHEM 1311/1111	<u>Gen. Chemistry I</u>	_____	4	_____
CHEM 1312/1112	<u>Gen. Chemistry II</u>	_____	4	_____
*CHEM 3411	<u>Organic Chemistry I</u>	_____	4	_____
*CHEM 3412	<u>Organic Chemistry II</u>	_____	4	_____
*CHEM 3417	<u>Quantitative Analysis</u>	_____	4	_____
*CHEM 4443	<u>Environmental Chemistry</u>	_____	4	_____
*CHEM 4401	<u>Biochemistry I</u>	_____	4	_____
*SMTE 3315	<u>Found Approach to Physical Science</u>	_____	3	_____
*PHYS 3312	<u>Modern Physics</u>	_____	3	_____
*PHYS 3490	<u>Adv. Modern Physics</u>	_____	3	_____
*SMTE 4320	<u>Secondary Science Lab Tech</u>	_____	3	_____
*SMTE 4270	<u>Science Education Topics I</u>	_____	2	_____
*SMTE 4271	<u>Science Education Topics II</u>	_____	2	_____
			44	

Two of the following classes: (7-8 hours)

*PHYS 3490	<u>Geophysics</u>	_____	-	_____
*PHYS 3490	<u>Environmental Physics</u>	_____		_____
*PHYS 3490	<u>Medical Physics</u>	_____		_____
*PHYS 3490	<u>Electromagnetic Field Theory</u>	_____		_____
*CHEM 4344	<u>Chemical Oceanography</u>	_____		_____

sub-section total (min) 7

TOTAL: 51

ELECTIVES

	Grad	SCH	GP
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
TOTAL		0	

University Requirements

UCCP 1101/1102	_____	2	_____
Computer Literacy	<u>See Catalog for requirement</u>	_____	_____
Foreign Language	<u>See Catalog for requirement</u>	_____	_____

TOTAL HOURS (Min 124) 140

UPPER DIVISION HOURS (Min 45) _____

Faculty Mentor _____

Program Coordinator Dr. Joe Loter, CS 211

Chair: _____

Dean: Dr. Frank Pezold

Certification Officer: _____

A minimum grade point average of 2.5 (4.0=A) in all work attempted, a minimum grade point average of 2.75 in all science, math, or specialization areas, and no grade below "C" in any science or mathematics course on a student's degree plan and/or education courses within the professional block of courses are required.