

Bachelor of Science in CHEMISTRY

Biochemistry Concentration

NAME: \_\_\_\_\_

Catalog Year: 2006-2007

ID#: \_\_\_\_\_

\* Upper division Hours

<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>See List</u>	_____	(4)	_____
	<u>See List</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>See List</u>	_____	3	_____
Philosophy	<u>*PHIL 3340</u>	_____	3	_____
TOTAL		(8)	36	0

CHEMISTRY Emphasis-

		Grade	SCH	GP
CHEM 1311/1111	<u>Gen. Chemistry I</u>	_____	4	_____
CHEM 1312/1112	<u>Gen. Chemistry II</u>	_____	4	_____
BIOL 2416	<u>Genetics</u>	_____	4	_____
BIOL 2421	<u>Intro Microbiology</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 3418	<u>Instrumental Analysis</u>	_____	4	_____
*CHEM 4401	<u>Biochemistry I</u>	_____	4	_____
*CHEM 4402	<u>Biochemistry II</u>	_____	4	_____
*CHEM 4420	<u>Physical Biochemistry</u>	_____	4	_____
*CHEM 4292	<u>Senior Chemistry Seminar</u>	_____	2	_____
*CHEM 4085	<u>Major Field Test in Chemistry</u>	_____	0	_____
*ELECTIVES	<u>Biochemistry related Courses approved by Faculty advisor</u>	_____	6	_____
TOTAL			52	

SPECIAL FOUNDATIONS

		Grade	SCH	GP
PHYS 1401 or 2425	<u>Physics I</u>	_____	4	_____
PHYS 1402 or 2426	<u>Physics II</u>	_____	4	_____
BIOL 1406	<u>Biology I</u>	_____	4	_____
BIOL 1407	<u>Biology II</u>	_____	4	_____
MATH 1442	<u>Statistics for Life</u>	_____	4	_____
MATH 2413	<u>Calculus I</u>	_____	4	_____
MATH 2414	<u>Calculus II</u>	_____	4	_____
TOTAL			28	

ELECTIVES

		Grade	SCH	GP
	<u>*Upper div. Elective</u>	_____	3	_____
	<u>*Upper div. Elective</u>	_____	3	_____
TOTAL			6	

Major GPA must be Minimum 2.25 to Graduate

Every candidate for the BS in Chemistry MUST complete the Major Field test in Chemistry (CHEM 4085) during senior year, prior to graduation

University Requirements

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

TOTAL UPPER DIVISION HOURS (Min 45) \_\_\_\_\_  
 TOTAL UPPER DIVISION RESIDENCY HOURS (Min 26) \_\_\_\_\_  
 TOTAL UPPER DIVISION RESIDENCY IN MAJOR (Min 12) \_\_\_\_\_

TOTAL HOURS (Min 124) : \_\_\_\_\_ 124

Faculty Mentor \_\_\_\_\_

Program Coordinator Dr. Joe Loter, CS 211

Chair: \_\_\_\_\_

Dean: Dr. Frank Pezold