

## LIBERAL ARTS AND SCIENCES: BACHELOR OF SCIENCE BIOCHEMISTRY

<b>I. BASIC REQUIREMENTS: 9/10 S.H.</b>		
<b>A. COMPOSITION: 3 S.H.</b>	Gr.	S.H.
ENG 023-025, 230		
<b>B. ORAL COMMUNICATIONS: 3 S.H.</b>		
SPE 010		
<b>C. HEALTH: 2/3 S.H.</b>		
HPD 110, 115, 116 or 120		
<b>D. PHYSICAL EDUCATION: 1 S.H.</b>		
HPD 011-095, 170		
<b>II. HUMANITIES: 12 S.H.</b>		
<b>A. LITERATURE: 3 S.H.</b>		
ENG or FRE 138		
<b>B. MUSIC or SPEECH or THEATRE: 3 S.H.</b>		
MUS		
SPE		
THE		
<b>C. ART HISTORY or PHILOSOPHY: 3 S.H.</b>		
ARH		
ART 010 or 015		
PHI		
RAR 105 OR 342		
<b>D. HUMANITIES ELECTIVE: 3 S.H.</b>		
Elective in any discipline listed under Section II and including CDH, FRE, GER, HUM, MLS, and SPA.		
<b>III. SOCIAL SCIENCES: 12 S.H.</b>		
<b>A. HISTORY or POLITICAL SCI.: 3 S.H.</b>		
HIS		
POL		
<b>B. ANTH or PSYCH or SOCIO: 3 S.H.</b>		
ANT		
PSY *		
SOC *		
<b>C. ECONOMICS or GEOGRAPHY: 3 S.H.</b>		
ECO		
GEG**		
<b>D. ELECTIVE in any discipline listed under Sect. III including INT and SSE courses: 3 S.H.</b>		
<b>IV. NATURAL SCI. &amp; MATH: 12 S.H.</b>		
This requirement will be fulfilled as part of the Chemistry degree requirements.		
<b>V. FREE ELECTIVES: 15/16 S.H.</b>		

<b>VI. MAJOR PROGRAM: 57 S.H.</b>		
<b>A. Required CHM: 33 S.H.</b>	Gr.	S.H.
CHM 100 General Chemistry I		4
CHM 102 General Chemistry II		4
CHM 214 Organic Chemistry I		4
CHM 216 Organic Chemistry II		4
CHM 230 Analytical Chemistry I		4
CHM 310 Biochemistry I		3
CHM 312 Biochemistry II		4
CHM 314 Physical Chemistry I		4
CHM 380 Senior Seminar in Chem.		2
<b>B. Required BIO: 17 S.H.</b>		
BIO 104 Principles of Biology		4
BIO 106 Intro. To Zoology <b>OR</b> BIO 108 Intro. To Botany		4
BIO 310 Genetics		3
BIO 346 Molecular Biology		3
BIO 350 Cell Biology		3
<b>C. CHM Electives: 4/7 S.H.</b>		
CHM 316 Physical Chemistry II		4
CHM 318 Advanced Biochemistry		3
CHM 320 Adv. Inorganic Chemistry		4
CHM 326 Adv. Organic Chemistry		3
CHM 336 Adv. Physical Chemistry		3
CHM 340 Analytical Chemistry II		4
CHM 351 Selected Topics		1-6
CHM 370 Research in Chemistry I		1-3***
CHM 371 Research in Chemistry II		1-3***
CHM 390 Internship in Chemistry		1-4
<b>D. BIO Elective: 0/3 S.H.</b>		
BIO 224 Appl. Env. Microbiology		3
BIO 232 Plant Physiology		3
BIO 234 Animal Physiology		3
BIO 336 Medical Microbiology		3
BIO 370 Research in Biology		1-3*
BIO 390 Internship in Biology		3-6
<b>VII. CONCOMITANT COURSES: 14 S.H.</b>		
<b>A. PHYSICS: 8 S.H.</b>		
PHY 100 Physics I		4
PHY 102 Physics II		4
<b>B. MATHEMATICS: 6 S.H.</b>		
MAT 171 Calculus I		3
MAT 172 Calculus II		3
<b>TOTAL SEMESTER HOURS</b>		

<b>VIII. GRADUATION CLEARANCE</b>	
A. Cumulative Q.P.A.	_____
B. Total Semester Hours	_____
a. General Education	_____
b. Major Program	_____
c. Concomitant	_____
<b>GRAND TOTAL</b>	_____
C. Comprehensive Exam Passed	_____
yes	no
Advisor's Signature _____	
Date _____	

<b>NOTES</b>	
*PSY 011 and SOC 010 are prerequisites to most other courses in their respective disciplines.	
**GEG -- Non-laboratory courses only allowed in this category.	
***The combined credit total toward the BS Biochemistry degree for CHM 370, CHM 371, and BIO 370 may not exceed 4 S.H.	

Program Code: 21301  
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 Approved \_\_\_\_\_ 3/25/05