

## LIBERAL ARTS AND SCIENCES: BACHELOR OF SCIENCE BIOLOGY / PRE-MEDICAL & OTHER HEALTH CAREERS

<b>I. BASIC REQUIREMENTS: 9/10 S.H.</b>		
A. COMPOSITION: 3 S.H.	Gr.	S.H.
ENG 023-025		
B. ORAL COMMUNICATIONS: 3 S.H.		
SPE 010		
C. HEALTH: 2/3 S.H.		
HPD 110, 115, 116 OR 120		
D. PHYSICAL EDUCATION: 1 S.H.		
HPD 011-095, 170		
<b>II. HUMANITIES: 12 S.H.</b>		
A. LITERATURE: 3 S.H.		
ENG OR FRE 138		
B. MUSIC or SPEECH or THEATRE: 3 S.H.		
MUS		
SPE		
THE		
C. ART HISTORY or PHILOSOPHY: 3 S.H.		
ARH		
ARC 015		
PHI		
ARC 105 OR 342		
D. ELECTIVE IN ANY DISCIPLINE LISTED IN SECTION II INCLUDING CDH, FRE, GER, HUM, MLS, AND SPA: 3 S.H.		
<b>III. SOCIAL SCIENCES: 12 S.H.</b>		
A. HISTORY or POLITICAL SCI.: 3 S.H.		
HIS		
POL		
B. ANTH or PSYCH or SOCIO: 3 S.H.		
ANT		
PSY*		
SOC*		
C. ECONOMICS or GEOGRAPHY: 3 S.H.		
ECO		
GEG**		
D. ELECTIVE IN ANY DISCIPLINE LISTED IN SECT. III, INCL. INT & SSE COURSES: 3 S.H.		
<b>IV. NATURAL SCIENCES &amp; MATH.: 12 S.H.</b>		
This requirement will be fulfilled as part of the Biology degree requirements.		
<b>V. FREE ELECTIVES: 9-12 S.H.</b>		

<b>VI. MAJOR PROGRAM: 48 S.H.</b>		
A. REQUIRED BIO: 23 S.H.	Gr.	S.H.
BIO 104 Principles of Biology		4
BIO 106 Intro. To Zoology		4
BIO 108 Intro. To Botany		4
BIO 224 Applied Env. Microbiology		3
BIO 270 Research Methods		3
BIO 216 Genetics		3
BIO 380 Senior Seminar		2
B. PRE-MEDICAL TRACK: 10 S.H.		
BIO 264 Comparative Anatomy		4
BIO 346 Molecular Biology OR BIO 350 Cell Biology		3
BIO 228 Human Physiology OR BIO 300 Comp. Animal Physiology		3
C. ELECTIVES: 15 S.H.		
BIO 252 Cellular Phys. & Metab. OR CHM 312 Biochem II	Select three courses from this block.	9
BIO 306 Food Microbiology		
BIO 330 Histology		
BIO 336 Medical Microbiology		
BIO 354 Developmental Biology		
BIO 356 Immunology		
BIO 370 Research in Biology OR BIO 390 Internship in Biology		
CHM 310 Biochem I		
BIO 460 Cancer Biology		
BIO Field Elective (See Note 2)		
BIO 200, 300 or 400 level Elective		3
		3
<b>VII. CONCOMITANT COURSES: 30 S.H.</b>		
A. REQUIRED CHM: 16 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
B. REQUIRED PHY: 8 S.H.		
PHY 040 Physics I & PHY 042 Physics II OR		4
PHY 100 Physics I & PHY 102 Physics II		4

<b>C. MATHEMATICS 6 S.H.</b>		
MAT 106 Trigonometry OR MAT 115 Precalculus OR MAT 171 Calculus I		3
MAT 140 Applied Statistics OR PSY/SOC 200 Statistics OR MAT 150 Biostatistics OR MAT 171 Calculus I OR MAT 172 Calculus II		3
<b>MIN. REQ. SEMESTER HOURS</b>		<b>120</b>

<b>VIII. GRADUATION REQUIREMENTS</b>		
A. At least 120 Semester Hours	yes	no
B. Comprehensive Exam Passed	yes	no
C. Minimum QPA of 2.0 overall	yes	no
D. Minimum QPA of 2.0 in major	yes	no
E. 5 courses in Cat. VI at the 300 or 400 level	yes	no

<b>NOTES</b>
<b>1.</b> No single course can be used in more than one category.
<b>2.</b> Choose one course from among the following: BIO/ENV 222 Env. Bio, BIO/MAR 226 Marine Biology, BIO 230 Plant Tax, BIO/ENV 244 Ecology, BIO 302 Entomology, BIO 308 Ornithology, BIO 314 Animal Behav., BIO 322 Pop & Comm Ecology, BIO 324 Plant Ecology, BIO 328 Herpetology, BIO 332 Aquatic Ecology, Biology courses offered at Marine Science Consortium (200 level or above)
<b>3.</b> *PSY 011 and SOC 010 are prereq. to most other courses in their resp. disciplines.
<b>4.</b> **GEG - Non-laboratory courses only allowed in this category.
<b>5.</b> 5 courses in Cat. VI must be at the 300 or 400 level.

Program Code: 20713  
Effective Date of Program: Fall 2010

Version Number: 20113  
Revised: 1/10

Approved