

**LIBERAL ARTS AND SCIENCES: BACHELOR OF SCIENCE BIOLOGY / MOLECULAR / MICRO / CELL**

<b>I. BASIC REQUIREMENTS: 9/10 S.H.</b>		
<b>A. COMPOSITION: 3 S.H.</b>	<b>Gr.</b>	<b>S.H.</b>
ENG 023-025		
<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		
ARC 015		
PHI		
ARC 105 OR 342		
<b>D. ELECTIVE IN ANY DISCIPLINE LISTED IN SECTION II, INCLUDING CDH, FRE, GER, HUM, MLS, AND SPA: 3 S.H.</b>		
<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 IN SECT. III, INCL. INT &amp; SSE COURSES: 3 S.H.</b>		
<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: 44/45 S.H.</b>		
<b>A. REQUIRED BIO: 23 S.H.</b>	<b>Gr.</b>	<b>S.H.</b>
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>B. MOLEC/MICRO/CELL TRACK: 9/10 S.H.</b>		
BIO 252 Cell. Phys. & Metab. <b>OR</b> CHM 312 Biochemistry II		3/4
BIO 346 Molecular Biology		3
BIO 350 Cell Biology		3
<b>C. ELECTIVES: 12 S.H.</b>		
BIO 232 Plant Physiology	Select two courses from this block.	6
BIO 228 Human Physiology		
BIO 306 Food Microbiology		
BIO 330 Histology		
BIO 336 Medical Microbiology		
BIO 354 Developmental Biology		
BIO 300 Comp. Animal Physiology		
BIO 356 Immunology		
BIO 370 Research in Biology <b>OR</b> BIO 390 Internship in Biology		
BIO 460 Cancer Biology		
BIO Field Elective (Note 2)		3
BIO 200, 300, or 400 level elective		3
<b>VII. CONCOMITANT COURSES: 34 S.H.</b>		
<b>A. REQUIRED CHM: 20 S.H.</b>		
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 310 Biochemistry I		4
<b>B. REQUIRED PHY: 8 S.H.</b>		
PHY 040 Physics I & PHY 042 Physics II <b>OR</b> PHY 100 Physics I & PHY 102 Physics II		4
		4
<b>C. MATHEMATICS 6 S.H.</b>		
MAT 106 Trigonometry <b>OR</b> MAT 115 Precalculus <b>OR</b> MAT 171 Calculus I		3
MAT 140 Applied Statistics <b>OR</b> PSY/SOC 200 Statistics <b>OR</b> MAT 150 Biostatistics <b>OR</b> MAT 171 Calculus I <b>OR</b> 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>
1. No single course can be used in more than one category.
2. 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 Behavior, 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)
3. *PSY 011 and SOC 010 are prereq. to most other courses in their resp. disciplines.
4. **GEG - Non-laboratory courses only allowed in this category
5. 5 courses in Cat. VI must be at the 300 or 400 level

Program Code: #20710  
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Approved

