## B.S. - Biology (general program)

(CHM 226) (4 cr total) \_\_\_\_

(Effective Fall 2009)

MAJOR REQUIREMENTS	IV. Physics Requirements (8 credits)
I. Biology Requirements* (38 credits)	PHY 121 - Introductory Physics I (3) with PHY 123 - Physics I lab (1)
Core Courses (12 cr.): BIO 115 - Principles of Biology I (4)	INI 123 IN 10100 I 140 (I)
BIO 116 - Principles of Biology II (4)	PHY 122 - Introductory Physics II (3) with
BIO 260 - Genetics (3)	PHY 125 - Physics II lab (1)
BIO 300-302 - Seminar (1)	
Ecology/Evolution elective (3 cr.) - choose:	GENERAL EDUCATION PROGRAM
BIO 242 - Ecology (3)	I. Required Skills and Competencies
or	1. Required DRIIIS and Competencies
BIO 430 - Principles of Evolution (3)	Fluency in Writing (3 credits)
Physiology elective (3-4 cr.) - choose:	Fluency in Speech (3 credits)
BIO 351 - Animal Physiology (3)	Mathematical Competency - (satisfied with
or	Calculus I)
BIO 350 - Human Physiology (4) or	
BIO 352 - Plant Form & Function (3)	<pre>Historical Perspective (6 credits)   HIS 105 - World History I (3)</pre>
	HIS 106 - World History II (3)
Organismal elective (3 cr.) - choose:	
BIO 317 - Parasitology (3) or	<pre>II. Categories of Knowledge* (33 credits)</pre>
BIO 462 - Invertebrate Zoology (3)	A. Logic and Numbers for Rational Thinking (3)
or	MAT 117 - Applied Statistics (4)
BIO 463 - Vertebrate Zoology (3) or	
BIO 448 - Field Botany & Plant Tax. (3)	B. Linguistics, Literary, Artistic, Cultural Traditions (9)
or	(lit.)
BIO 455 - Algae & Aquatic Plants (3)	(humanity)
Cellular elective (3 cr.) - choose:	(humanity)
BIO 220 - Microbiology (3)	C. Biological and Physical Sciences (9)
or BIO 385 - Cell Biology (3)	- satisfied by major requirements
Bio 303 Cell Biology (3)	D. Political, Economic, Geographic Sciences(6)
Additional Biology Electives(13-14 cr.)	b. Forrerear, Economic, Geographic Sciences(0)
	E Social and Bohavioral Sciences (6)
	E. Social and Behavioral Sciences (6)
(only 2 seminars can be used for bio credit)	The Therein (17 and the)
* Students must earn at least a 2.0 average in Bio.	Free Electives (17 credits)
115 & 116 before upper-level Biology electives may be taken. See catalog for remediation procedure.	
II. Math Requirement (4 credits)	
MAT 211 - Calculus I (4)	
<pre>III. Chemistry Requirements (16 credits)</pre>	
CHM 121 - Chemical Bonding with lab IB	* Refer to the Undergraduate Catalog to determine the courses that can be counted under each section.
(CHM 125) (4 cr total)	the courses that can be counted under each Section.
CHM 122 - Chemical Dynamics with lab IIB (CHM 126) (4 cr total)	IIDDAMED 0/00
CHM 221 - Organic Chemistry I with lab IIIB	UPDATED 2/09
(CHM 225) (4 cr total)	
CHM 227 - Introduction to Biochemistry (4)	
OR	
CHM 222 - Organic Chemistry II with lab IVB	