

## SCHOOL OF NATURAL SCIENCES AND MATHEMATICS

### BIOLOGY B.S. in Biology

Course	Number		Credit Hours
<b>I. CORE CURRICULUM (62 semester hours)</b>			
<b>AREA A Essential Skills (9 semester hours)</b>			
ENGL	1101	English Composition I	3
ENGL	1102	English Composition II	3
MATH	*1113	Precalculus Mathematics	3
<b>AREA B Institutional Options (4 semester hours)</b>			
COMM	1110	Fundamentals of Speech	3
Elective		BIOL 1001, COMM 1120, ENGL 1105, 1110, HIST 1050, 1051, HUMN 1000, 1100, PHED 1030, SOCI 1000	1
<b>AREA C Humanities/Fine Arts (6 semester hours)</b>			
Electives		ENGL 1201, 2111, 2112, 2120, 2121, 2130, 2130, 2131; HUMN 1201, MUSC 1100, or THEA 1100	6
<b>AREA D Science/Mathematics/Technology (12 semester hours)</b>			
MATH	2253	Calculus & Analytical Geometry I	4
CHEM	1211K	Principles of Chemistry I	4
CHEM	1212K	Principles of Chemistry II	4
<b>AREA E Social Sciences (12 semester hours)</b>			
HIST	2111 or 2112	United States History	3
POLS	1101	American Government	3
GEOG	1111	Physical Geography	3
Electives		ANTH 1103, ECON 2105, 2106, GEOG 1100, 1101, or 1111, HIST 1111, 1112, 2111, 1221, PHIL 1101, 1102, 1103, POLS 2101, 2201, 2301, 2401, PSYC 1101, 2101, 2103, 2204, 2250, SOCI 1101, 1160	3
<b>AREA F Major Related (18 semester hours)</b>			
BIOL	1107K	Principles of Biology I	4
BIOL	1108K	Principles of Biology II	4
CHEM	2211K	Organic Chemistry I	4
CHEM	2212K	Organic Chemistry II	4
BIOL	2270	Ethical Issues in Science	2
<b>PHYSICAL EDUCATION (1 semester hour)</b>			
PHED		Activity Elective	1

**II. UPPER LEVEL COURSES (59 semester hours)****Required (32)**

BIOL	3200K	Cellular Biology	4
MATH	2200	Introduction to Statistics	3
BIOL	3500K	Ecology	4
BIOL	4250	Evolution	3
BIOL	3400K	Genetics	4
BIOL	4000	Senior Seminar	2
PHYS	1111K	Introductory Physics I	4
PHYS	1112K	Introductory Physics II	4
BIOL	4410K	Molecular Biology	4

**Electives (27 semester hours)****Select 24 hours from the following:**

BIOL	3510K	Plant Biology	4
BIOL	3520K	Invertebrate Zoology	4
BIOL	3340	General Microbiology	4
BIOL	3300	Developmental Biology	4
CHEM	3500	Biochemistry	4
BIOL	4360K	Comparative Anatomy and Physiology of Vertebrates	4
BIOL	4500K	Biotechnology	4

**Select 3 or 4 hours from the following:**

BIOL	4900	Special Topics in Biology	3
MATH	2254	Calculus & Analytical Geometry II	4

\* Math 2253 may be used if the student meets the prerequisites. The additional hour of credit will be applied to the upper level curriculum electives.