

# Biology, B.A.

College of Arts & Sciences

## General Education Curriculum Requirements (minimum 40 credit hours)

### Writing and Cultural Literacy

Eng 101 College Composition	3
Eng 201 Advanced College Composition	3

### Multicultural Experience

World or indigenous or American Sign Language course	3
Diversity and global issues course	3

### Quantitative Decision-making

Mat 101, 131, 201 or higher level math course	3
---	---

### Physical and Life Sciences

Complete sections A and B

**A. Select two courses** of scientific literacy from the following: Bio, Chy, Env, Ecy, Gey, Phy, Sci. At least one must be a 4-credit lab science course.

Lab science course	4
Lab or non-lab science course	3-4

### B. Select one of the following:

Hpr 101 Lifelong Wellness, Bio 300 Human Nutrition, or Rec 234 Outdoor Pursuits I	3
---	---

### Social Sciences

Complete sections A and B

**A. Select any two of the following** historical analysis courses: Hty 115, Hty 116, Hty 161, Hty 162

**OR - Select** a 100-level history course and a subsequent 300- or 400-level history course for a total of six credits

History course	3
History course	3

**B. Select two of the following** social science courses for a total of six credits: Ant 100, Eco 100, Geo 168, Pos 101, Pos 211, Psy 100, Soc 100

Social Science course	3
Social Science course	3

### Humanities and Fine Arts

Complete sections A and B

**A. Select one of the following courses** in literary writing, analysis, or philosophy:

Eng 151, Eng 211, Phi 151, Phi 152, Hon 300	3
---	---

**B. Select one of the following courses** in visual or performing arts:

Art 101, Art 102, Art 103, Art 107	3
------------------------------------	---

### Important additional GEC requirements

FYS 100 First Year Seminar	1
Writing Intensive Course	3
Technology Intensive Course	3

## SCIENCE DEPARTMENT CORE – 24 CREDIT HOURS

Bio 112 General Biology I *	4
Bio 113 General Biology II *	4
Chy 121 General Chemistry I*	4
Chy 122 General Chemistry II*	4
Ecy 355 General Ecology	4
Mat 131 Calculus I*	4

\*Course also meets GEC requirement

## BIOLOGY CORE – 22 CREDIT HOURS

Bio 260 Human Anatomy and Physiology	5
Bio 316 Microbiology	5
Bio 350 Genetics	4
Chy 221 Organic Chemistry I	4
Chy 222 Organic Chemistry II	4

## COMPLETE ONE OF THE FOLLOWING CONCENTRATIONS:

### PREMEDICAL CONCENTRATION – 16 CREDIT HOURS

Bio 327 Biochemistry	4
Bio 360 Vertebrate Biology	4
Phy 153 General Physics I	4
Phy 154 General Physics II	4

### PROFESSIONAL CONCENTRATION - 16 CREDIT HOURS

Bio 360 Vertebrate Biology OR	
Bio 445 Invertebrate Zoology	4
Bio 332 Plant Taxonomy OR	
Bio 430 Molds and Mushrooms	4

And select a minimum of 8 credits hours of upper level (300 or higher) Bio and Ecy different from those taken as required courses:

### SELF-DESIGNED CONCENTRATION - 20 CREDIT HOURS

The self-designed biology concentration must consist of a minimum of 20 semester credits of University-level science course work. A plan must be submitted for approval by the student's academic advisor to the Science Department Program Committee at least three semesters before the anticipated date of graduation. Once approved, a copy of the self designed concentration will be sent to the Registrar and the course requirements specified in the plan must be satisfactorily completed.

Courses selected for self-designed concentration:

### SELECT GENERAL ELECTIVES TO BRING TOTAL EARNED HOURS TO 120:

Total credits required for degree:	120
Minimum cumulative GPA for graduation:	2.00
Cumulative GPA for major requirements:	2.25