

# COLLEGE OF ARTS AND SCIENCES

## DEPARTMENT OF BIOLOGICAL SCIENCES

NAME \_\_\_\_\_

S.S.# \_\_\_\_\_

Courses required for the B.S. Degree in Biology (**Environmental Science Concentration**) are listed in sequence by year and semester.

### FRESHMAN YEAR

#### FALL SEMESTER

	CH	Gr.	Sem.	Yr.
BIOL 113 Prin. of Biol. Lect.	3	_____	_____	_____
BIOL 115 Prin. of Biol. Lab.	1	_____	_____	_____
FYE 101 First Year Experience	1	_____	_____	_____
ENG 101 Freshman Composition	3	_____	_____	_____
CHEM 111 Gen. Chem. Lect.	3	_____	_____	_____
CHEM 113 Gen. Chem. Lab.	1	_____	_____	_____
MATH 147 Precalculus I	<u>3</u>	_____	_____	_____
	<b>15</b>			

#### SPRING SEMESTER

	CH	Gr.	Sem.	Yr.
BIOL 114 Prin. of Biol. Lect.	3	_____	_____	_____
BIOL 116 Prin. of Biol. Lab.	1	_____	_____	_____
FYE 102 First Year Experience	1	_____	_____	_____
ENG 102 Freshman Composition	3	_____	_____	_____
MATH 148 Precalculus II	3	_____	_____	_____
CHEM 112 Gen. Chem. Lect.	3	_____	_____	_____
CHEM 114 Gen. Chem. Lab.	<u>1</u>	_____	_____	_____
	<b>15</b>			

### SOPHOMORE YEAR

HIST 101 Western Civilization	3	_____	_____	_____
ENG 200 World Literature	3	_____	_____	_____
PHYS 109 Fund. of Physics Lect.	3	_____	_____	_____
PHYS 111 Fund. of Physics Lab	1	_____	_____	_____
SOC 101 Intro. to Social Science	3	_____	_____	_____
CHEM 223 Organic Chem. Lect.	3	_____	_____	_____
CHEM 225 Organic Chem. Lab	<u>1</u>	_____	_____	_____
	<b>17</b>			

HIST 104 Modern World History	3	_____	_____	_____
PHYS 110 Fund. of Physics Lect.	3	_____	_____	_____
PHYS 112 Fund. of Physics Lab	1	_____	_____	_____
BIOL 206 Fund. of Ecology Lect./Lab	4	_____	_____	_____
MATH 273 Probability & Statistics	3	_____	_____	_____
CHEM 224 Organic Chem. Lect.	3	_____	_____	_____
CHEM 226 Organic Chem. Lab	1	_____	_____	_____
GET 300* Rising Junior Examination	<u>0</u>	_____	_____	_____
	<b>18</b>			

### JUNIOR YEAR

BIOL 302 Genetics Lect./Lab.	4	_____	_____	_____
BIOL 304 Intro. Micro. Lect./Lab	4	_____	_____	_____
MATH 153 Calculus I	3	_____	_____	_____
Foreign Language Elective**	3	_____	_____	_____
Elective	<u>3</u>	_____	_____	_____
	<b>17</b>			

BIOL 312 Principles of Toxicology	3	_____	_____	_____
Foreign Language Elective**	3	_____	_____	_____
BIOL 315 Water Quality Mgtm. Lect./Lab	4	_____	_____	_____
BIOL 215 Introductory Epidemiology	3	_____	_____	_____
Elective	<u>4</u>	_____	_____	_____
	<b>17</b>			

## Environmental Science Concentration (cont'd)

<u>FALL SEMESTER</u>				<u>SENIOR YEAR</u>				<u>SPRING SEMESTER</u>			
	CH	Gr.	Sem.	Yr.		CH	Gr.	Sem.	Yr.		
ART 210	Introduction to Fine & Performing Arts	3	_____	_____	ECON 201	Macroeconomics	3	_____	_____		
BIOL 408	Seminar	1	_____	_____	BIOL 499	Senior Project	3	_____	_____		
BIOL 409	Biological Research	3	_____	_____	BIOL 418	Environ. Issues & Policies	3	_____	_____		
Electives***		7	_____	_____	Electives***		3	_____	_____		
		14					12				

\*The Rising junior Examination (RJE.) must be taken during the second semester of the sophomore year.

\*\*The six hours of foreign Language is met by completing six hours in the same language.

\*\*\*Electives (Must be approved by Advisor and Department Head.)

\*\*\*\*Student must have the instructor's permission to enroll in this course.

### **Biology Electives include the following:**

BIOL216- Environmental Biology	4	BIOL 411-Vertebrate Zoology	4
BIOL 305- Anatomy & Physiology	4	BIOL 417-Conservation Biology	3
BIOL 307-Anatomy & Physiology II	4	BIOL 419-Comparative Verte. Anatomy	4
BIOL 318- Alcohol & Drug Abuse****	3	BIOL 434-Contemporary Botany	4
BIOL 320- Environmental Systems	3	BIOL 459-Cell & Molecular Biol. Lect. I	3
BIOL 402- Vertebrate Histology	4	BIOL 461-Cell & Molecular Biol. Lab I	1
BIOL 403- Parasitology	4	BIOL 463-Cell & Molecular Biol. Lect. II	3
BIOL 406- Internship in Biology	3	BIOL 465-Cell & Molecular Biol. Lab II	1
BIOL 407- Ethics in Scientific Research	3		

## Total Degree Requirements

**Environmental Science Concentration.....125**

\*\*\*\*\*

**Complete this section when you submit your application for graduation. Submit a signed copy of this form with your application and transcript.**

Hours completed toward degree \_\_\_\_\_  
Additional hours needed for graduation \_\_\_\_\_

Hours enrolled in this semester \_\_\_\_\_  
Total hours at the end of this semester \_\_\_\_\_

\_\_\_\_\_  
Advisors Signature/ Date

\_\_\_\_\_  
Students Signature/ Date

Effective: January 12, 2009