

# Environmental Science & Sustainability, B.S.

## NATURAL RESOURCES & ENVIRONMENTAL SCIENCE CONCENTRATION -

### College of Arts & Sciences

#### General Education Curriculum (GEC) Requirements "At - a - Glance"

(Full GEC requirements can be found on pages 53-54)

The GEC contains 22 Learning Objectives organized under five General Education Learning Outcomes (GLOs). To complete the GEC, select at least one course for each objective. Many courses will meet more than one objective, but a minimum of 40 distinct hours in the GEC is required.

#### 1. Effective Written & Oral Communication

- a. Eng 100, 101 .....
- b. Eng 121 .....
- c. Bus/Com 210, Pos 101, Pcj 215 .....
- d. Eng 100, 101 .....

#### 2. Critical & Creative Thinking

- a. Eco 100, Phi 151, 152, Psy 100 .....
- b. Eco 100, Phi 151, 152, Psy 100, Soc 100 .....
- c. Eng 121 .....
- d. Art 103, 108, 120, 121, Eng 211 .....
- e. Art 107, Art/Eng 116, Eng 151 .....

#### 3. Quantitative & Scientific Reasoning

- a. Mat 101, 117, 121, 131, 140, 166, 201 or higher,  
Phy 153, 154 .....
- b. Mat 101, 117, 121, 131, 140, 201 or higher, Phy 153, 154 ..
- c. Bio 103, 104, 105, 112, 262, 300, Hpr 101 .....
- d. Chy 111, 112, 122, 221, 222, Env 110, 120, 125, 130, 201,  
301, 302, 308, Gey 112, 114, Phy 153, 154 .....
- e. Bio 105, 112, 113, 261, Chy 111, 112, 122,  
221, 222, Env 308, Gey 112, 114, Phy 153, 154 .....

#### 4. Information Literacy

- a. Fys 100 .....
- b. Eng 121 .....
- c. Phi 151, 152, Swk 202 .....

#### 5. Global Consciousness & Intercultural Awareness

- a. Ant 100, 110, Geo 100, 101, Soc 100, Swk 305, Wab 110,  
Wst 101 .....
- b. Hty 115, 116, 161, 162, 184 .....
- c. Asl 101, Chi 101, 102, Fre 101, 102, 201, 202, Rus 101, 102  
Spa 101, 102, Wab 100, 105 .....
- d. Phi 151, 152, Pos 211, Swk 202 .....
- e. Pos 101, 211, 332 .....

#### CORE COURSES – 10 CREDIT HOURS

Env 110 Introduction to Environmental Science	3
Mat 201 Probability and Statistics I	3
Env 308 GIS I: Fundamentals of GIS	4

#### NATURAL RESOURCES & ENVIRONMENTAL SCIENCES– 26 CREDIT HOURS MINIMUM

Select a minimum of 26 credit hours from the following courses:

Bio 112 General Biology I	4
Bio 113 General Biology II	4
Bio 171 Principles of Wildlife Management	3
Bio 309 Plant Biology	4
Bio 310 Ornithology	4
Bio 316 General Microbiology	4
Bio 360 Vertebrate Biology	4
Bio 410 Advanced Topics in Ecology	4
Bio 445 Invertebrate Zoology	4
Chy 111 General Chemistry I	4
Chy 112 Intermediate Chemistry OR	
Chy 122 General Chemistry II	4
Ecy 355 General Ecology	4
Env 210 Soil Science	4
Env 213 Environmental Geology	3
Env 305 Environmental Chemistry	4
Gey 112 Fundamentals of Geology	4
Gey 114 Historical Geology: History of Life	3
Gey 115 Historical Geology: Earth History & Plate Tectonics	3
Gey 212 Marine Geology	3
Gey 322 Paleontology	4
Gey 353 Surficial Geology	4
Gey 354 Bedrock Geology	4

#### ENERGY AND CLIMATE CHANGE – 12 CREDIT HOURS

Select FOUR of the following courses for a total of 12 credit hours:

Env 125 Introduction to Energy	3
Env 130 Renewable Energy Resources	3
Env 201 Fossil Fuels	3
Env 301 Climate Change	3
Env 302 Climate Change and Biodiversity	3

continued on page 85

# Environmental Science & Sustainability, B.S.

## NATURAL RESOURCES & ENVIRONMENTAL SCIENCE CONCENTRATION -

### College of Arts & Sciences

#### General Education Curriculum (GEC) Requirements "At - a - Glance"

(Full GEC requirements can be found on pages 53-54)

The GEC contains 22 Learning Objectives organized under five General Education Learning Outcomes (GLOs). To complete the GEC, select at least one course for each objective. Many courses will meet more than one objective, but a minimum of 40 distinct hours in the GEC is required.

#### 1. Effective Written & Oral Communication

- a. Eng 100, 101 ..... \_\_\_\_\_
- b. Eng 121 ..... \_\_\_\_\_
- c. Bus/Com 210, Pos 101, Pcj 215..... \_\_\_\_\_
- d. Eng 100, 101 ..... \_\_\_\_\_

#### 2. Critical & Creative Thinking

- a. Eco 100, Phi 151, 152, Psy 100 ..... \_\_\_\_\_
- b. Eco 100, Phi 151, 152, Psy 100, Soc 100 ..... \_\_\_\_\_
- c. Eng 121 ..... \_\_\_\_\_
- d. Art 103, 108, 120, 121, Eng 211..... \_\_\_\_\_
- e. Art 107, Art/Eng 116, Eng 151..... \_\_\_\_\_

#### 3. Quantitative & Scientific Reasoning

- a. Mat 101, 117, 121, 131, 140, 166, 201 or higher,  
Phy 153, 154 ..... \_\_\_\_\_
- b. Mat 101, 117, 121, 131, 140, 201 or higher, Phy 153, 154 .. \_\_\_\_\_
- c. Bio 103, 104, 105, 112, 262, 300, Hpr 101..... \_\_\_\_\_
- d. Chy 111, 112, 122, 221, 222, Env 110, 120, 125, 130, 201,  
301, 302, 308, Gey 112, 114, Phy 153, 154 ..... \_\_\_\_\_
- e. Bio 105, 112, 113, 261, Chy 111, 112, 122,  
221, 222, Env 308, Gey 112, 114, Phy 153, 154 ..... \_\_\_\_\_

#### 4. Information Literacy

- a. Fys 100 ..... \_\_\_\_\_
- b. Eng 121 ..... \_\_\_\_\_
- c. Phi 151, 152, Swk 202 ..... \_\_\_\_\_

#### 5. Global Consciousness & Intercultural Awareness

- a. Ant 100, 110, Geo 100, 101, Soc 100, Swk 305, Wab 110,  
Wst 101 ..... \_\_\_\_\_
- b. Hty 115, 116, 161, 162, 184 ..... \_\_\_\_\_
- c. Asl 101, Chi 101, 102, Fre 101, 102, 201, 202, Rus 101, 102  
Spa 101, 102, Wab 100, 105 ..... \_\_\_\_\_
- d. Phi 151, 152, Pos 211, Swk 202 ..... \_\_\_\_\_
- e. Pos 101, 211, 332 ..... \_\_\_\_\_

continued from page 84

#### SOCIETY AND THE ENVIRONMENT– 12 CREDIT HOURS

Select **FOUR** of the following courses for a total of 12 credit hours:

Ant 100 Introduction to Anthropology	3
Ant 200 Archaeology	3
Eco 207 Macro & Micro Economics	3
Hty 350 U.S. Environmental History	3
Pos 310 Energy Law & Policy	3
Pos 320 Energy Project Development	3

#### PRACTICAL LEARNING EXPERIENCE – 3 CREDIT HOURS MINIMUM

Select at least **ONE** of the following (as approved by student's advisor):

Ant 377 Archaeology Field School	3-6
Env 408 GIS II: Applications & Advanced Spatial Analysis (GIS II)	4
Env 397 or 497 Independent Study	3
Env 495 Internship (approved by advisor)	4
Sci 480 Research Methods in Science	3

\*Course also meets GEC requirement

#### 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 in the major and concentration: 2.25