

ECOLOGY AND ENVIRONMENTAL BIOLOGY WITH GEOGRAPHY AND LANDSCAPE ECOLOGY
CONCENTRATION
205*; 205C

I. Core Curriculum Requirements: Chemistry 1101, 1102 will count toward the science requirement. Math 1110 will count toward the math requirement. Depending on the concentration chosen, some courses may also apply toward social science requirement. NOTE: Some courses listed in Section I will also be used in Sections III and IV. **44**

II. CORE: STUDENTS MUST COMPLETE THE CORE BEFORE TAKING ANY OTHER BIOLOGY COURSE.
Note: A 2.0 average must be maintained in the major. (This includes areas II, III & IV)

BIO 1110 ____ Concepts (4 sh) 2000 ____ Intro. Botany (4 sh) 2001 ____ Intro. Zool. (4 sh) **12**

REQUIRED BIOLOGY:

3302 (ND, C) ____ Ecology (3 sh) 3306 (ND) ____ Genetics (3 sh)
3304 ____ Syst. Botany (3 sh) 3436 (W, S, ND) ____ Intro. Evolutionary Biol. (3 sh)

3308 ____ Bacteriology (4 sh) **OR** 3800 (W, ND, C) ____ Molecular Biol. (4 sh)
3301 (W, ND) ____ Animal Physiol. (4 sh) **OR** 4555 (W, ND, C) ____ Plant Physiol. (4 sh)
3314 ____ Comp. Vert. Zool. (3 sh) **OR** 3456 ____ Invert. Zool. (3 sh) **23**

Any four from the following:

3310 (W) ____ Marine Biology (3 sh) 4557 ____ Ichthyology (3 sh)
4551 ____ Ornithology (3 sh) 4559 ____ Mammalogy (3 sh)
4552 ____ Entomology (3 sh) 4560 ____ Herpetology (3 sh)
4556 ____ Mycology (3 sh) 4601 (W, S, ND) ____ Animal Behav/Ethol. (3 sh)

At least 6 sh of biology electives _____ **18**

III. Required Cognate Courses:

CHEMISTRY:

1101 (ND), 1110 ____ Intro. Chem. I & lab (4 sh)
1102 (ND), 1120 ____ Intro. Chem. II & lab (4 sh)
2201, 2203 ____ Org. Chem. I & lab (4 sh)
OR 2210 (W) ____ Quant. Analysis (4 sh)

MATH:

1110 (ND) ____ Calc. w/ Analy. Geo.
STT 2810 (ND, C) ____ Intro to Data Analysis &
Statistical Inference

19

Core Curr. - **12**

NOTE: 12 sh of cognate courses are counted in core curriculum requirements.

IV. CONCENTRATION: Students are encouraged to complete a minor in their chosen concentration by selection of one or two additional courses (consult advisor).

Geography and Landscape Ecology Concentration: 12 s.h. required.

A. GHY 1010 ____ (3 sh)

B. Any **three** of the following:

GHY 3100 ____ (3 sh); GHY 3110 ____ (3 sh);

GHY 3310 ____ (3 sh); GHY 4820 ____ (3 sh)

Major Designators

2 Writing (W) ____
1 Speaking (S) ____
Communication Proficiency ____

Other Designators

4 Writing (W) ____
(ENG 1000/1100 will count as 2 W)
4 Multi Cultural (MC) ____
(HIS 1101/1102 will count as 2 MC)
1 Cross Disciplinary (CD) ____
2 Numerical Data (ND) ____
2 Computer (C) ____

12

V. Minor (optional)

VI. Free electives to total a minimum of 128 s.h.
(2 s.h. of free electives must be outside the major discipline.)

12
128