

# West Chester University

## B.S. in Biology – Ecology

### Concentration through the Honors College

### Advisement Sheet

Effective for students entering Fall '12 and later.

*Indicate all the courses you have taken at WCU or transferred for credit. For completed courses, also list the grades. Mark an asterisk (\*) beside courses you are currently taking.*

The grade of C- or better is necessary in all required science and math courses.

#### I. BIOLOGY CORE COURSES (24 s.h.)

BIO110 \_\_\_\_ (General Biology)  
 BIO215 \_\_\_\_ (Botany)  
 BIO217 \_\_\_\_ (Zoology)  
 BIO220 \_\_\_\_ (Cell Physiology)  
 BIO230 \_\_\_\_ (Genetics)  
 BIO270 \_\_\_\_ (Gen. Ecology)  
 BIO310 \_\_\_\_ (Biometrics)  
 BIO409 \_\_\_\_ (Internship)\* or  
 BIO490 \_\_\_\_ (Seminar) or  
 BIO491 \_\_\_\_ (Spec. Problems)

#### II. BIOLOGY ELECTIVES (15 s.h.)

(Selected under advisement from the following)

BIO275 \_\_\_\_ (Field Botany)  
 BIO277 \_\_\_\_ (Vertebrate Eco.)  
 BIO313 \_\_\_\_ (Marine Biology)  
 BIO315 \_\_\_\_ (Trop. Eco. Ecology)  
 BIO377 \_\_\_\_ (Entomology)  
 BIO387 \_\_\_\_ (Invert. Zoology)  
 BIO412 \_\_\_\_ (Evolution)  
 BIO415 \_\_\_\_ (Trop. Ecol. Conser.)  
 BIO435 \_\_\_\_ (Global Clim. Chg.)  
 BIO466 \_\_\_\_ (Plant Physiology)  
 BIO470 \_\_\_\_ (Population Bio.)  
 BIO471 \_\_\_\_ (Wetlands)  
 BIO472 \_\_\_\_ (Aquatic Biology)  
 BIO473 \_\_\_\_ (Conservation Bio.)  
 BIO474 \_\_\_\_ (Microbial Ecology)  
 BIO475 \_\_\_\_ (Plant Communities)  
 BIO476 \_\_\_\_ (Limnology)  
 BIO476 \_\_\_\_ (Plant Evolution)  
 BIO485 \_\_\_\_ (Systematic Botany)

#### III. ECOLOGICALLY RELEVANT COURSES (6 s.h.) – selected under advisement

Course	Grade
_____	_____
_____	_____

#### III. CHEMISTRY COURSES (17 s.h.)

CHE103 \_\_\_\_ (Gen. Chem. I)  
 CRL103 \_\_\_\_ (Gen. Chem. Lab)  
 CHE104 \_\_\_\_ (Gen. Chem. II)  
 CRL104 \_\_\_\_ (Gen. Chem. Lab)  
 CHE231 \_\_\_\_ (Organic I)  
 CRL231 \_\_\_\_ (Organic Lab I)  
 CHE232 \_\_\_\_ (Organic II)

#### IV. ADDITIONAL MATH/SCI. (16 s.h.)

PHY130 \_\_\_\_ (Gen. Physics I) or  
 PHY170 \_\_\_\_ (Physics I)  
 PHY140 \_\_\_\_ (Gen. Physics II) or  
 PHY180 \_\_\_\_ (Physics II)  
 MAT121 \_\_\_\_ (Statistics I)  
 MAT161 \_\_\_\_ (Calculus I) or  
 MAT108 \_\_\_\_ (Brief Calculus)

#### V. HON SEQUENCE for GEN ED (27-30 s.h.)

HON 100 \_\_\_\_ (Self Awareness)  
 HON 211 \_\_\_\_ (Public Discourse)  
 HON 212 \_\_\_\_ (Ethics & Technology)  
 HON 310 \_\_\_\_ (Community Change)  
 HON 311 \_\_\_\_ (Stewardship/Civic Responsibility)  
 HON 312 \_\_\_\_ (Educational Systems)  
 or  
 HON 322 \_\_\_\_ (Leading ELLs)  
 HON 313 \_\_\_\_ (Public Opinion)  
 HON 314 \_\_\_\_ (Environ. Systems)  
 HON 315 \_\_\_\_ (Community & Arts)  
 SCI or MAT 3 hours (NOTE: Fulfilled from major requirements). \_\_\_\_x\_\_

#### VI. ADDITIONAL HON COLLEGE REQUIREMENTS (9 s.h.)

A) Two HON seminars at the 351 level or above:

HON 351+ \_\_\_\_  
 HON 351+ \_\_\_\_

B) Capstone Project

HON 490 \_\_\_\_

#### NOTE:

\* BIO409 can be taken for 3-16 credits. Three may be used for the core and up to 5 may be used for BIO electives. No more than 8 total hours may count towards BIO major requirements.

#### VII. DIRECTED ELECTIVES

Take enough directed electives to complete 120 credits. The actual number of electives required will vary depending upon (among other issues) the number of 3 vs. 4 hour courses taken to fulfill the major requirements and a choice to engage in a minor(s).

Course	Grade
_____	_____
_____	_____
_____	_____
_____	_____

**Bring this sheet with you whenever you meet with your advisor about scheduling or course planning!**

(Confirmed June, 2013)