

West Chester University
B.S. in Biology – Ecology
Concentration through the
Honors College
Advisement Sheet

Effective for students entering Fall '23 and later.

113-115 CREDITS

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 REQUIRED COURSES (25 s.h.)

- BIO110 ___ (Gen Bio I)
- BIO111 ___ (Gen Bio II)
- BIO210 ___ (Genetics)
- BIO210L ___ (Genetics Lab)
- BIO211 ___ (Cell Biology)
- BIO270 ___ (Gen. Ecology)
- BIO310 ___ (Biostat. App.)
- BIO490 ___ (Seminar) **or**
- BIO491 ___ (Research)
- BIO492 ___ (Prof. Develop.)

II. BIOLOGY ELECTIVES (15 s.h.)

(Selected under advisement from the following)

- BIO275 ___ (Field Botany)
- BIO277 ___ (Vertebrate Eco.)
- BIO312 ___ (Marine Botany)
- BIO313 ___ (Marine Biology)
- BIO315 ___ (Terrestrial Ecosystem Ecology)
- BIO387 ___ (Invert. Zoology)
- BIO412 ___ (Organic Evolution)
- BIO415 ___ (Tropical Ecology & Conservation)
- BIO453 ___ (Marine Mammals)
- BIO454 ___ (Mycology)
- BIO466 ___ (Plant Phys. Ecology)
- BIO470 ___ (Population Bio.)
- BIO471 ___ (Wetlands)
- BIO473 ___ (Conservation Bio.)
- BIO474 ___ (Microbial Ecology)
- BIO475 ___ (Plant Communities)
- BIO476 ___ (Freshwater Eco.)
- BIO477 ___ (Entomology)
- BIO478 ___ (Plant Evolution)

- BIO485 ___ (Systematic Botany)
- BIO491 ___ (Research)
- BIO492 ___ (Internship)

III. ECOLOGICALLY RELEVANT COURSES (6-7 s.h.) – selected under advisement

Course	Grade
_____	___
_____	___

IV. 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)

V. ADDITIONAL MATH/SCI. (14-15 s.h.)

- PHY130 ___ (Gen. Physics I) **or**
- PHY170 ___ (Physics I)
- PHY140 ___ (Gen. Physics II) **or**
- PHY180 ___ (Physics II)
- MAT121 ___ (Statistics I) **or**
- MAT125 ___ (Statistics & Prob.)
- MAT161 ___ (Calculus I) **or**
- MAT143 ___ (Brief Calculus) **or**
- MAT145 ___ (Calc for Life Sci)

VI. HONORNS COLLEGE CORE SEQUENCE for GEN ED (27 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 ___ (Leader. With ELLs)
- HON 313 ___ (Public Opinion)
- HON 314 ___ (Environ. Systems)
- HON 315 ___ (Community & Arts)
- SCI ___ x ___ *
- MAT ___ x ___ *

*NOTE: Fulfilled from major requirements

VII. ADDITIONAL HONORS COLLEGE REQUIREMENTS (9 s.h.)

- A) Two HON seminars at the 320 level or above (except 322)

HON ___ ___
HON ___ ___

- B) Capstone Project^

HON 490 _____

^NOTE: **Enrollment upon core completion:** ideally 6th or 7th semester.

VIII. 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!

(Revised October 2023)