

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

Effective for students entering Fall '15
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 (30 s.h.)

- BIO110 ___ (General Biology)
- BIO214 ___ (General Micro.)
- BIO215 ___ (Botany) **or**
- BIO217 ___ (Zoology)
- BIO220 ___ (Cell Physiology)
- BIO230 ___ (Genetics)
- BIO270 ___ (Ecology)
- BIO464 ___ (Micro. Physiology)
- BIO 465 ___ (Immunology)
- BIO409 ___ (Internship)* **or**
- BIO490 ___ (Seminar) **or**
- BIO491 ___ (Spec. Problems) **or**

II. BIOLOGY ELECTIVES (11 s.h.)

Selected under advisement, from:

- BIO 314 ___ (Pathogenic Micro)
- BIO 334 ___ (Microbial Genetics)
- BIO 414 ___ (Applied & Industrial Microbiology)
- BIO 452 ___ (Parasitology)
- BIO 454 ___ (Mycology)
- BIO 456 ___ (Virology)
- BIO 474 ___ (Micro Ecology)
- BIO 480 ___ (Light Microscopy)
- BIO 484 ___ (Epidemiology) **or**
- BIL 333 ___ (Recombinant DNA)

III. CHEMISTRY COURSES (22-23 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)
- CRL232 ___ (Organic II Lab)**
- CHE476 ___ (Bio-chemistry I)
- CRL476 ___ (Bio-chemistry Lab)

IV. ADDITIONAL MATH/SCI. (14-16 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) **or**
- MAT109 ___ (Calc for Life Sci.)

V. HONORS COLLEGE 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)
- HON 313 ___ (Public Opinion)
- HON 314 ___ (Environ. Systems)
- HON 315 ___ (Community & Arts)
- MAT ___ ___ ^
- SCI ___ ___ ^

^ NOTE: Fulfilled from major requirements

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 _____

NOTES:

* BIO409/490/ or 491 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.

** CRL 232 is strongly recommended but not required

VII. DIRECTED ELECTIVES

Take enough directed electives to complete 120 credits. The actual number of electives required will vary depending upon (among other things) the number of 3 vs. 4 hour courses taken to fulfill the major requirements.

Course	Grade
_____	_____
_____	_____
_____	_____
_____	_____

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

(Revised March 2015)