

**West Chester University
B.S. in Biology- Cell and
Molecular Concentration
through the Honors
College Advisement Sheet**

Effective for students entering Fall '23
and later.

112-113 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
(32 s.h.)**

- BIO110 ___ (Gen Bio I)
- BIO111 ___ (Gen Bio II)
- BIO210 ___ (Genetics)
- BIO210L ___ (Genetics Lab)*
- BIO211 ___ (Cell Biology)
- BIO214 ___ (General Micro.)
- BIO333 ___ (Mol. Tech.)
- BIO421 ___ (Cell & Molecular)
- BIO431 ___ (Mol. Genetics)
- BIO490 ___ (Seminar) **or**
- BIO491 ___ (Research) **or**
- BIO492 ___ (Prof. Develop.)*

**II. BIOLOGY or CHEMISTRY
ELECTIVES (10 s.h.)** (Selected under
advisement, must be above 300 level
except BIO 469).

Course	Grade
_____	___
_____	___
_____	___
_____	___

III. CHEMISTRY COURSES (20 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)
- CHE476 ___ (Biochemistry I)

**IV. 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.)
- MAT143 ___ (Brief Calculus) **or**
- MAT145 ___ (Calc for Life Sci) **or**
- MAT161 ___ (Calculus I)

**V. HONORS 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

**VI. 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

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 the
addition of minor(s).

Course	Grade
_____	___

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

(Revised October 2023)