

Biology Major Requirements

PRE- & CO-REQUISITES (or demonstrated proficiency)

For the B.S. Degree:

_____ CHM 101DL [or 21 or 110DL]
_____ MTH 111L [or 105L&106L or 21/121]
_____ MTH 112L [or 122L or 22/122]
or STA 101 or above or BIO 304(204)*
*cannot double count BIO 304(204) as elective if used to fulfill
math requirement
_____ CHM 201DL
_____ PHY 141L [or 161L or 151L or 25]

Note: CHM 210DL, CHM 202L & PHY 142L recommended for pre-med, pre-vet,
biochem, pharmacology, others

- Advanced Placement credit [Biology 20] does not count towards the major.

For the A.B. and B.S. Degrees:

GATEWAY COURSES IN BIOLOGY (2 courses)

1. _____ Biology 201L, Molecular Biology (prereq: Chem 101DL or equivalent)
2. _____ Biology 202L, Genetics & Evolution

BIOLOGY AREA MENUS (3 courses) – see menus online

- 1 approved course in each area, at the 200-level or above.

- A course listed in two areas may only be used to meet one area requirement.

3. _____ Organismal Diversity
4. _____ Structure/Function: Cells & Organisms
5. _____ Ecology

BIOLOGY ELECTIVES (5 courses)

-At least 3 electives must be in courses listed or cross-listed as Biology at the 200-level or above. This may include BIO 199D, BCH 301 and a max of 2 approved Independent Study (BIO, BIOCHEM, PHARM, PATH, NEUROBIO, CELLBIO, IMM, MGM).

-A maximum of 2 independent studies or tutorials may count toward the major.

-A maximum of 2 approved alternate electives in the biological sciences may be counted toward the major.

6. _____ Biology Elective
7. _____ Biology Elective
8. _____ Biology Elective
9. _____ Biology Elective or approved alternate
10. _____ Biology Elective or approved alternate

THE AREA AND ELECTIVE COURSES ABOVE MUST INCLUDE:

1) At least two full lab courses, beyond Bio 201L & 202L. Only one Independent study may count as a lab course.

Lab 1 _____ Lab 2 _____

2) At least one full Biology 'Capstone' at the 400-level or above. Independent Study can only count towards this requirement if it is a second semester continuation with the same research supervisor.

'Capstone' Course _____