

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]
_____ STA 101 or 102 or above **OR** MTH 112L [or 122L or 22/122] *
_____ CHM 201DL
_____ PHY 141L [or 161L or 151L or 25 or 142L]

* or EvAnth 585 or PSY 204L&205L; cannot double count EvAnth 585 as elective if used to fulfill math requirement

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

For the A.B. and B.S. Degrees, 10 courses in Biology:

GATEWAY COURSES IN BIOLOGY (2 or 1 courses)

_____ Biology 201L, Molecular Biology (prereq; Chem 101DL or equivalent)
_____ Biology 202L, Genetics & Evolution

OR

_____ Biology 203L, Molecular Biology, Genetics & Evolution (prereq; BIO AP 5 & Chem 101DL or equivalent)

BIOLOGY AREA MENUS (3 courses) – see menus on reverse

- 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.

_____ Organismal Diversity
_____ Structure/Function: Cells & Organisms
_____ Ecology

BIOLOGY ELECTIVES (5 or 6 courses)

- At least 3 electives must be in courses listed or cross-listed as Biology at the 200-level or above. This may include 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 or 3 approved alternate electives in the biological sciences may be counted toward the major (depending on Gateway sequence).

_____ Biology Elective
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_____ Biology Elective or approved alternate
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If using Bio 203L:

_____ Biology Elective or approved alternate

THE AREA AND ELECTIVE COURSES ABOVE MUST INCLUDE:

- 1) At least two full lab courses, beyond the Gateways. 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 _____