

# Biology Major Requirements

## PRE- & CO-REQUISITES

### For the B.S. Degree:

\_\_\_\_\_ CHM 101DL, Core Concepts in Chemistry [or 21 or 110DL]  
\_\_\_\_\_ CHM 201DL, Organic Chemistry 1  
\_\_\_\_\_ MTH 111L, Lab Calculus 1 [or 105L&106L or 21/121]  
\_\_\_\_\_ STA 101 or above **OR** MTH 112L, Calc 2 [or 122L or 22/122] \*  
\_\_\_\_\_ PHY 121L, General Phys 1 [or 25, 141L, 107L, 151L, or 161D]

\* 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 122L recommended for pre-med, pre-vet, biochem, pharmacology*

## PRE- & CO-REQUISITES (or demonstrated proficiency)

### For the A.B. Degree:

\_\_\_\_\_ CHM 101DL Core Concepts in Chemistry  
[or 21 or 110DL]  
\_\_\_\_\_ STA 101 or above \* **OR** \_\_\_\_\_ MTH 105L AND MTH 106L  
[or Math 111L or 21/121]

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

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

### INTRODUCTORY COURSES IN BIOLOGY (2 courses)

\_\_\_\_\_ Biology 201L, Molecular Biology  
\_\_\_\_\_ Biology 202L, Genetics & Evolution

### BIOLOGY AREA MENUS (3 courses)

- 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 courses)

- At least 3 electives must be in courses listed or cross-listed as Biology. This may include a max of 2 approved Independent Study (BIO, BIOCHEM, PHARM, PATH, NEUROBIO, CELLBIO, IMM, MGM).
- At least four courses must be at the 200-level above
- May include at most 1 course at the 100-level
- May include a maximum of 2 independent studies or tutorials may count toward the major.
- May include a maximum of 2 approved alternate electives in the biological sciences may be counted toward the major

\_\_\_\_\_ Biology Elective  
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\_\_\_\_\_ Biology Elective or approved alternate  
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## 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 \_\_\_\_\_