

Biology Major- General

(For entering students who are not Calculus ready)
(56 credits)

First-Year Fall		First-Year Spring	
B21X / B22X* Gen Bio / Biology Experience	4	B21X* Gen Bio	3
M148 Precalculus (part 1)	4	M149 Precalculus (part 2)	4
C131 / 133 General Chemistry I / Lab	4	C142 / 144 General Chemistry II / Lab	4
Total Major Credits	12 cr.	Total Major Credits	11 cr.
Total Semester Credits Recommended	15-18 cr.	Total Semester Credits Recommended	15-18 cr.
Sophomore Year Fall		Sophomore Year Spring	
B21X / B22X* Gen Bio/ Biology Experience	4	B313 Physiology with Lab	4
B301 Ecology with Lab	4	**C325/ 326 Organic Chemistry II / Lab	4
C321/C323 Organic Chemistry I / Lab	4		
Total Major Credits	12 cr.	Total Major Credits	8 cr.
Total Semester Credits Recommended	15-18 cr.	Total Semester Credits Recommended	15-18 cr.
Junior Year Fall		Junior Year Spring	
B311 Cell Biology with Lab	3	B310 Genetics with Lab	4
B392 Biostatistics	3		
B492 Experimental Planning	1		
Total Major Credits	7 cr.	Total Major Credits	4 cr.
Total Semester Credits Recommended	15-18 cr.	Total Semester Credits Recommended	15-18 cr.
Senior Year Fall		Senior Year Spring	
B300/400 Selected from Area C list	3-4	B300/400 Selected from Area 3 list	3-4
P201/202 or P180/P181 Introductory Physics I & Lab	4	B477 or B478	1
B476 Biology Research I	1	**P211/212 or P190/P191 Introductory Physics II & Lab	4
Total Major Credits	11-12 cr.	Total Major Credits	6-7 cr.
Total Semester Credits Recommended	15-18 cr.	Total Semester Credits Recommended	15-18 cr.

*Gen Bio I (B212), Gen Bio II (B214), Gen Bio III (B216), Field Experience (B221), and Lab Experience (B223) should be taken during the first year. If not possible, then the classes must be taken within the first 1.5 years. The order in which these courses are taken will impact pre-reqs, so students may need to make adjustments to the paradigm in their sophomore and junior years accordingly. For example, Ecology can be swapped for Biostatistics in the sophomore year if a student did not take Gen Bio III during their first year.

******These courses are strongly recommended but are not required for the Biology major. However, they are typically required for graduate and medical school acceptance. Electives in Biology may be selected based on student interest and additional requirements to fill prerequisites for graduate or professional schools.

The template offered above is an optimal pathway to completion of the major. However, several factors affect a student's ability to follow this specific pathway, including timing of a student's decision to major, course availability, course demand, course scheduling conflicts, and faculty availability. Therefore, a student may not follow this specific pathway to completion of the major. A student may use the pathway as a resource and preparation guide, but a student's academic adviser is the best resource for planning course schedules.