

THIS PATHWAY HAS NOT BEEN UPDATED FOR THE 2022/2023 ACADEMIC YEAR. USE THE [22/23 COURSE CATALOG](#) TO TRACK YOUR PROGRESSION!

Environmental Biology Major

(M148/M149)

(For students beginning in an even year, for ex. fall 2018)

(60 credits)

First-Year Fall

B21X*/B22X Gen Bio / Biology Experience	4
M148 Calculus w/ Pre-Calculus I	4

Total Major Credits	8 cr.
Total Semester Credits Recommended	15 - 18 cr.

First-Year Spring

B21X*/B22X Gen Bio / Biology Experience	4
B21X* Gen Bio	3
M149 Calculus w/ Pre-Calculus II	4

Total Major Credits	11 cr.
Total Semester Credits Recommended	15-18 cr.

Sophomore Year Fall

B301 Ecology with Lab	4
C131/133 General Chemistry I / Lab	4

Total Major Credits	8 cr.
Total Semester Credits Recommended	15-18 cr.

Sophomore Year Spring

B392 Biostatistics	3
B320 Conservation Biology (not required)	3
C142/144 General Chemistry II / Lab	4

Total Major Credits	7 cr.
Total Semester Credits Recommended	17-18 cr.

Junior Year Fall

B323 Plant Communities & Taxonomy	3
B460 Sustainable Resource Management / Policy	3
B210 Mammalogy with Lab (not required)	3
B492 Experimental Planning	1
C321/C323 Organic Chemistry I / Lab	4

Total Major Credits	11-14 cr.
Total Semester Credits Recommended	15 cr.

Junior Year Spring

B315 GIS Theory & Applications	2
Area F** (B321 Global Change Biology)	3
Area E** (B491 Wildlife Ecology with Lab)	3
B475 Ichthyology with Lab (not required)	3
Area D** (B310 Genetics or B313 Physiology)	3-4

Total Major Credits	2-15 cr.
Total Semester Credits Recommended	16 cr.

Senior Year Fall

B331 Aquatic Ecology with Lab	3
B318 Evolution & Population Genetics	3
Area D** (B434 Microbiology with Lab)	3
B371 Ornithology with Lab (not required)	3

Senior Year Spring

B493 Biology Research & Thesis	2
Area F** (B361 Animal Behavior)	3
Area E** (B490 Fisheries Biology with Lab)	3
B384 Pollution Ecology (not required)	3

Total Major Credits

Total Semester Credits Recommended

6 cr.**15-18 cr.****Total Major Credits**

Total Semester Credits Recommended

2-8 cr.**15-18 cr.**

Additional recommended courses required by some graduate schools (consult your advisor): Introductory Physics I & Lab, Organic Chemistry II with Lab

*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 content areas only have to be completed once; however, students can take more than one course in the content area.

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.