

Sample Biology Roadmap: Conservation

The following is one potential roadmap to prepare for a career in conservation and complete the conservation concentration in the Biology major. It is only a suggestion; students have successfully prepared for conservation-related fields using a variety of course schedules. Some choose to reduce their course load each semester by taking summer courses. **Students should consult their advisors and programs of interest to plan their academic schedule.**

Students interested in the Accelerated BS – MS (4+1) program at Winthrop should contact the graduate director, Dr. Kristi Westover, and apply before their senior year. Students may receive credit for 9 hours of 500-level courses towards the MS degree if certain requirements are met. For more information, please visit (<https://www.winthrop.edu/graduateschool/master-of-science-in-biology.aspx>).

Freshman Year

Fall (15 credits) ^a	Spring (16 credits)
BIOL 202 (1) BIOL 220 or 221 (3) and BIOL 222* or 223 (1) CHEM 201 (4) or 211 (4) WRIT 101 (3) MATH 151 or 105 (3) ACAD 101 (1)	BIOL 220 or 221 (3) and BIOL 222 or 223* (1) CHEM 202 (3) and CHEM 204 (2)** HMXP 102 (3) MATH 141/241 (3) PESH (1; activity course)

*BIOL 270 SEA-PHAGES Lab (2) can replace BIOL 222 in Fall semesters. BIOL 271 SEA-PHAGES Lab (2) can replace BIOL 223 in Spring semesters.

**If CHEM 211 was taken in the fall, then you only need CHEM 204 (not 202 and 204) in the spring.

Sophomore Year

Fall (16-17 credits)	Spring (14-15 credits)
BIOL 300 (4) Math and Science Elective, Area E (3-4) CRTW 201 (3) Foreign Language 101 (4) Gen Ed Elective (3)	BIOL 317 (4) BIOL 407 ^b OR Biology Elective, Area C (3-4) Gen Ed Elective (3) Foreign Language 102 (4)

Junior Year

Fall (15-16 credits)	Spring (12-13 credits)
BIOL 403, 405, OR Biology Elective (3-4) BIOL 513 (3) BIOL 390 (0.5) BIOL 461 (3) Math and Science Elective, Area E (3) Gen Ed Elective (3)	BIOL 551 (3) BIOL 407 ^b OR Biology Elective, Area C (3-4) Biology Elective, Area B (3-4) BIOL 490 (0.5) Gen Ed Elective (3)

Senior Year

Fall (15-17 credits)	Spring (12-14 credits)
Biology Elective, Area A or C (3-4) Biology Elective, Area A, B, C, or D (3-4) GEOL or GEOG (3-4) Math and Science Elective, Area E (3) Gen Ed Elective (3)	BIOL 480 (3) BIOL 552B ^c (3) Biology Elective (3-4) Gen Ed Elective (3)

Notes:

^a If you complete the minimum credits suggested for **every** semester, you won't have the 120 credits required for graduation.

^b The conservation track requires that students take *at least one* of the following ecology/environmental biology courses: BIOL 403, 405, or 407.

^c Students may choose to take BIOL 552A (Conservation Biology Practicum A. Travel Field Conservation Biology), which is periodically offered during Spring or Summer session, rather than BIOL 552B (Conservation Biology Practicum B. Field Conservation Biology in the Local Community).