

Ecology and Evolutionary Biology (B.S.) Sample Curriculum

We have provided this as an example but you will work with your advisor to customize a plan

Freshman						
Fall	BIOL 198 (4) Principles of Biology	CHM 210 (4) Chemistry 1	BIOL 100 (1) Biology First-Year Orientation	Social Science or Humanity (3)	Free Elective (1)	13 Credits
Spring	BIOL 401 (5) Organismic Biology	CHM 230 (4) Chemistry 2	Social Science or Humanity (3)	COMM 106 (3) Public Speaking		15 Credits
Sophomore						
Fall	BIOL 529 (3) Ecology	CHM 350 (3) General Organic Chemistry	CHM 351 (2) General Organic Chemistry Lab	ENGL 100 (3) Expository Writing 1	Free Elective (3)	14 Credits
Spring	BIOL 450 (4) Modern Genetics	MATH 220 (4) Calculus 1 <i>Students often take during the summer</i>	ENGL 200 (3) Expository Writing 2	Social Science or Humanity (3)	Free Elective (2)	16 Credits
Junior						
Fall	BIOL 520 (3) Evolution	PHYS 113 (4) General Physics 1	STAT 325 (3) Introduction to Statistics	U.S. Multicultural Overlay (3)	Free Elective (3)	16 Credits
Spring	BIOL elective (3)	BIOCH 521 (3) General Biochemistry	PHYS 114 (4) General Physics 2	Social Science or Humanity/ International (3)	Social Science or Humanity (3)	16 Credits
Senior						
Fall	BIOL 640 (3) Population Biology	BIOL elective (3)	BIOL elective (2)	Upper Level Social Science (3)	Free Elective (3)	14 Credits
Spring	BIOL 632 (1) Ecology Lab	BIOL elective with lab (3)	BIOL elective (3)	Social Science or Humanity (3)	Social Science or Humanity (3)	16 Credits

Notes

All Bachelors Degrees require 120 credits, of which 45 must be upper division courses. Only 60 credits from community colleges may count toward degree.

At least 14 credit hours of upper level biology electives including one with a lab are REQUIRED.

- Recommended electives include:
- BIOL 433 (3) Intro to Fisheries, Wildlife, Conservation and Environmental Biology (Fall)
 - BIOL 515 (3) Behavioral Ecology (Spring)
 - BIOL 542 (3) Ichthyology (Spring even yrs)
 - BIOL 544 (3) Mammalogy (Fall)
 - BIOL 612 (3) Freshwater Ecology (Fall even yrs)
 - BIOL 642 (3) Principles of Conservation Biology (Spring)
 - BIOL 687 (3) Microbial Ecology (Spring)
 - BIOL 698 (1-3) Research in Biology
 - ENTOM 312 (3) Entomology

NOTE: Check official degree reqs for complete list of biology electives.

- The following need to be considered in the general reqs.:
- Social Sci. courses need to be from 3 different areas.
 - One Social Science course must be at 500 level or above, or carry a prerequisite in the same department.
 - Philosophy course cannot be a logic class.

Note on Organic Chemistry:
Consult with your advisor on which organic chemistry option you should choose (CHM 531 versus CHM 350)

Key

Biology elective (see course catalog list)	Course offered only in Fall Semester	Course offered only in Spring Semester
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Total Hours: 120