

Integrative 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 450 (4) Modern Genetics	CHM 350 (3) General Organic Chemistry	CHM 351 (2) General Organic Chemistry Lab	ENGL 100 (3) Expository Writing 1	Social Science or Humanity (3)	15 Credits
Spring	BIOL 541 (3) Cell Biology	BIOCH 521 (3) General Biochemistry	STAT 325 (3) Introduction to Statistics	ENGL 200 (3) Expository Writing 2	Free Elective (3)	16 Credits
Junior						
Fall	BIOL 520 (3) Evolution	PHYS 113 (4) General Physics 1	MATH 220 (4) Calculus 1 <i>Students often take during the summer</i>	U.S. Multicultural Overlay (3)	Free Elective (2)	15 Credits
Spring	BIOL 529 (3) Ecology	PHYS 114 (4) General Physics 2	Social Science or Humanity (3)	Social Science or Humanity/ International (3)	Free Elective (3)	16 Credits
Senior						
Fall	BIOL elective with lab (3)	BIOL elective (3)	BIOL elective (3)	Upper Level Social Science (3)	Free Elective (3)	15 Credits
Spring	BIOL elective with lab (3)	BIOL elective (3)	Social Science or Humanity (3)	Social Science or Humanity (3)	Free Elective (3)	15 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 15 credit hours of upper level biology electives including two with a lab are REQUIRED.

NOTE: This is the broadest and most flexible of the Biology options. You may choose from a wide variety of Biology classes matching your interests. The full options can be found in the Course Catalog: <https://catalog.k-state.edu>

Recommended electives for experiential learning include:
 BIOL 365 (2) Practicum in Biology
 BIOL 697 (1-3) Internship in Biology
 BIOL 698 (1-3) Research in Biology

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

The following need to be considered in the gen. 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