

# Animal 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 455 (4) Microbiology	PHYS 113 (4) General Physics 1	MATH 220 (4) Calculus 1 <i>Students often take during the summer</i>	ENGL 200 (3) Expository Writing 2		15 Credits
Junior						
Fall	BIOL 513 (4) Physiological Adapt. Of Animals	PHYS 114 (4) General Physics 2	STAT 325 (3) Introduction to Statistics	U.S. Multicultural Overlay (3)	Free Elective (2)	16 Credits
Spring	BIOL 541 (3) Cell Biology	BIOCH 521 (3) General Biochemistry	Free Elective (3)	International Overlay (3)	Social Science or Humanity (3)	15 Credits
<i>Prepare professional school application</i>						
Senior						
Fall	Social Science or Humanity (3)	BIOL elective (4)	Upper Level Social Science (3)	Social Science or Humanity (3)	Free Elective (3)	16 Credits
Spring	BIOL elective (3)	BIOL elective (3)	BIOL 520 (3) Evolution	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 14 credit hours of upper level biology electives including one with a lab are REQUIRED.

Recommended electives include:  
 BIOL 365 (2) Practicum in Biology  
 BIOL 410 (2) Biology of the Cancer Cell (Fall)  
 BIOL 455 (4) General Microbiology (pre-vet requirement)  
 BIOL 515 (3) Behavioral Ecology (Spring)  
 BIOL 530 (3) Pathogenic Microbiology (Fall)  
 BIOL 542 (3) Ichthyology (Spring even yrs)  
 BIOL 543 (3) Ornithology (Spring)  
 BIOL 544 (3) Mammalogy (Fall)  
 BIOL 698 (1-3) Research in Biology  
 BIOL 730 (3) Virology (Spring)  
 ENTOM 312 (3) General Entomology

NOTE: Check official degree requirements for complete list of

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