

# Human Health 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)	Social Science or Humanity (3)	15 Credits
Spring	BIOL 455 (4) General Microbiology	CHM 230 (4) Chemistry 2	STAT 325 (3) Introduction to Statistics	COMM 106 (3) Public Speaking	CLSCS 105 (2) Medical Terminology	16 Credits
Sophomore						
Fall	BIOL 450 (4) Modern Genetics	CHM 531 (3) Organic Chemistry 1	MATH 220 (4) Calculus 1 <i>Students often take during the summer</i>	ENGL 100 (3) Expository Writing 1		14 Credits
Spring	CHM 550 (3) Organic Chemistry 2	CHM 532 (2) Organic Chemistry Lab	PHYS 113 (4) General Physics 1	ENGL 200 (3) Expository Writing 2	Social Science or Humanity (3)	15 Credits
Junior						
Fall	BIOL 441 (4) Human Body 1	BIOCH 521 (3) General Biochemistry	PHYS 114 (4) General Physics 2	U.S. Multicultural Overlay (3)	Free elective (1)	15 Credits
Spring	BIOL 442 (4) Human Body 2	BIOL 541 (3) Cell Biology	PHILO 365 (3) Medical Ethics	International Overlay (3)	DAS 315 (1) Creating a Competitive Application  <i>Prepare for professional school exam (MCAT, PCAT, OAT etc.)</i>	14 Credits
Senior						
Fall	BIOL 520 (3) Evolution	BIOL elective (3)	BIOL elective (2)	Upper Level Social Science (3)	Social Science or Humanity (3)	Free Elective (2) 16 Credits
Spring	BIOL elective (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 11 credit hours of upper level biology electives REQUIRED.

Recommended electives include:  
 BIOL 443 (2) Applied Anatomy of Cadavers  
 BIOL 410 (2) Biology of the Cancer Cell (Fall)  
 BIOL 530 (3) Pathogenic Microbiology (Fall)  
 BIOL 545 (3) Human Parasitology (Spring)  
 BIOL 609 (3) Cell & Molecular Biol. of Human Disease (Fall)  
 BIOL 670 (4) Immunology (Spring)  
 BIOL 698 (1-3) Research in Biology  
 BIOL 730 (3) Virology (Spring)  
 PSYCH 470 (3) Psychobiology

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

The following need to be considered in the general ed. reqs.:

- Social Sci. courses need to be from 3 different disciplines.
- 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

**Total Hours: 120**