

Biological Sciences

A background in the life sciences opens many doors to employment and graduate studies. All individuals pursuing careers in the health care delivery field must have a fundamental understanding and background in the life sciences. Animal and plant scientists lay the groundwork for their careers with a detailed knowledge gained from various life science courses. Opportunities for the biological science major abound in a variety of areas. The Bachelor of Science degree in Biology will prepare the student for admission to graduate schools of biology; professional schools of medicine, dentistry, and veterinary medicine; and various allied technology, nursing, physical therapy, occupational therapy, etc.; as well as baccalaureate level positions in research, teaching and sales. Specific areas of specialization include agriculture, cellular biology, genetics, conservation, environmental science, food technology, forestry, wildlife management, industrial and residential pest management, and microbiology.

BIOLOGICAL SCIENCES			
Total Hours: 128			
<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 120, 120L, 222, 222L	8	Biological Sciences 224, 224L, 363, 363L	8
Chemistry 121, 121L, 124, 124L	8	Communications 135	3
English 105, 115	6	Chemistry 265, 265L, 266, 266L	8
Mathematics 221, 210	7	English 205, 210, 215, or 220	3
Social Sciences ^{1,7}	3	Electives ⁶	3
	32	Social Sciences ^{1,7}	6
			31
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 330, 330L	4	Biological Sciences 440, 440L, 495	5
Biological Sciences (387, 387L) ³ or 345, 345L	4	Biological Sciences Electives (300 or 400 level) ⁴	17
Physics 251, 251L, 252, 252L	8	Sciences 485	1
Biological Sciences electives (200 or 300 level) ⁴	4	Humanities (Dance, Drama, Fine Arts, or Music) ⁷	3
History 105, 106, 145 or 146	3	Foreign Language ² or 300 or 400 electives	6
Approved electives (Sciences) ⁵	4		32
English 325	3		
Computer Science	3		
	33		

¹The nine term hours of Social Sciences must be taken from at least three of the following areas: Anthropology, Political Science, Economics, Psychology, Geography, and Sociology.

²The six hours must be in one language. Students planning to attend graduate school should take the foreign language option. Alternatively, students may take six hours of electives at the 300 or 400 level.

³Students planning to apply to a physical therapy program must take Bios 387 and 387L.

⁴Three hours must be in a plant science.

⁵Science electives must be at the 300 or 400 level.

⁶Students planning to apply to a physical therapy program should take Bios 282.

⁷See "General Education Course Requirements" under **DEGREE REQUIREMENTS** for restrictions

Biological Sciences Minor: The student who chooses to minor in Biological Sciences must take 24 hours consisting of the following courses: 4 hours of BIOS 120,120L; 4 hours of BIOS 222, 222L; 4 hours of BIOS 224, 224L and 12 hours of BIOS electives at the 300 or 400 level.