

BACHELOR OF SCIENCE: BIOLOGICAL SCIENCES

The Bachelor of Science in Biological Sciences offers students two options to engage in learning experiences that lead to rewarding careers. Students in the Nature and Ecology track will engage in study related to the unique ecological sites in the region and, upon completion, may seek advanced study or find employment in a variety of fields within governmental and private sectors. The Pre-Professional track is designed to meet prerequisite courses for entry into the professions of medicine, dentistry, pharmacology, and other health-related fields.

Institutional Priority “Contributing to a Global Community”

DVRS 1101	1
Select one of the following:	
ANTH 1102, 1104; COMM 1100, 1110, 2000, 2010; HIST 1111, 1112, 2220; POLS 2401; SOCI 2501; any SABR.	<u>3</u>
	4 hours

** Mathematics and Quantitative Skills

MATH 1101, 1101, 1111, 1113, 1401, 2253	<u>3-4</u>
	3 hours

Political Science and U.S. History

HIST 2111 or 2112	3
POLS 1101	<u>3</u>
	6 hours

Arts, Humanities & Ethics

Select one of the following:	
ENGL 2111, 2112, 2121, 2122, 2131, 2132, HUMN 2111, 2112.....	3
Select one of the following:	
ARTS 2205; COMM 1100, 1110, 2000, 2010; ENGL 2111, 2112, 2121, 2122, 2131, 2132; HUMN 2111, 2112; MUSI 1100; PHIL 2010; THEA 1100; or any three-hour foreign language	<u>3</u>
	6 hours

** Communicating in Writing

ENGL 1101	3
ENGL 1102	<u>3</u>
	6 hours

Technology, Mathematics & Sciences

Select one or two of the following:	
ASTR 1010/1010L, 1020/1020L; BIOL 1010K, 1020K, 2000/2000L, 2107K, 2108K; CHEM 1151K, 1152K, 1211K, 1212K; PHSC 1011/1011L; PHYS 1111K, 1112K, 2211K, 2212K; SCIE 1111/1111L, 1121/1121L	4-8
Select one or two of the following:	
CSCI 1301, 1302; MATH 1113, 1401, 2253, 2254, 2255	<u>3-8</u>
	11 hours

Social Sciences

Select two of the following:	
ECON 2105, 2106; HIST 1111, 1112, 1121, 1122, 2100, 2111, 2112, 2200, 2220; POLS 2100, 2200, 2401; PSYC 1101, 2103, 2201; SOCI 1101, 1160, 2293, 2501.....	<u>6</u>
	6 hours

** Field of Study

CHEM 2401K (4) and 2402K (4).....	8
BIOL 2107K (4) and 2108K (4).....	8
Two excess hours from Mathematics and Quantitative Skills and Technology, Mathematics & Sciences.....	<u>2</u>
	18 hours

**Courses require a "C" or higher

*Excess hours in both Mathematics and Quantitative Skills and Technology, Mathematics & Sciences used in Field of Study

SELECT ONE OF THE FOLLOWING OPTIONS (Pre-Professional Track or Nature & Ecology Track > course requirements for each are described on the following page)

**** Field of Study Requirements – Pre-Professional Track*****

BIOL 2210K (4) and 2211K (4)	8
BIOL 2215K.....	4
BIOL 3100 (3), 3130 (3), 3133 (3) 3400 (3), 3440K (4), 3500K (4), 3910 (6).....	26
PHIL 3150	3
BIOL 4090 (3), 4500 (3), 4501 (3).....	9
MATH 1401	3
****Free Electives.....	7
	60 hours
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Total Hours for the Pre-Professional Track Program	120 hours

***Pre-Professional Track students must take PHYS 1111K or PHYS 2211K.

****Free Electives for the Pre-Professional Track (choose from this list to total 7 hours; courses already used as electives in other areas of the core curriculum cannot be used as free electives):

BIOL 3545K (4), 3630K (4), 3950K (4), 4400 (3); MATH 2253 (4), 2254 (4), 2255 (4); PHYS 1111K (4), 1112K (4), 2211K (4), 2212K (4); ECON 2105 (3), 2106 (3); PSYC 2101 (3), 2103 (3), 2201 (3); SOCI 2293 (3)

**** Field of Study Requirements – Nature & Ecology Track**

BIOL 2215K.....	4
BIOL 3100 (3), 3130 (3), 3133 (3), 3440K (4), 3500K (4), 3545K (4), 3630K (4), 3910 (6), 3950K (4).....	35
PHIL 3150	3
BIOL 4090 (3), 4500 (3), 4501 (3).....	9
MATH 1401	3
****Free Electives.....	6
	60 hours
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Total Hours for the Nature & Ecology Track Program	120 hours

****Free Electives for the Nature & Ecology Track (choose from this list to total 6 hours; courses already used as electives in other areas of the core curriculum cannot be used as free electives):

BIOL 2210K (4), 2211K (4), 3400 (3), 4400 (3); MATH 2253 (4), 2254 (4), 2255 (4); PHYS 1111K (4), 1112K (4), 2211K (4), 2212K (4); ECON 2105 (3), 2106 (3); PSYC 2101 (3), 2103 (3), 2201 (3); SOCI 2293 (3)

**All courses in the Pre-Professional and Nature & Ecology tracks must be completed with a grade of “C” or better.

Institutional Requirements for Graduation Beyond the BSBS Program Requirements

HLTH 1103.....	2
Physical Education.....	2
	4 hours
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TOTAL Hours for Graduation from the Program	124 hours