

BS in Biological Sciences with Biological/Biomedical Emphasis

Program Requirements

A minimum total of 120 credit hours is required for the BS in biological sciences with a biological/biomedical emphasis. In addition to meeting the requirements of the WSU General Education Program (<http://catalog.wichita.edu/undergraduate/general-education-program/>) and the requirements of Fairmount College of Liberal Arts and Sciences, students must meet the following requirements:

A major in the BS in biological sciences with a biological/biomedical emphasis requires a minimum of 40 credit hours of biological sciences coursework; up to 50 credit hours may be taken for credit. Students must maintain a grade point average of 2.000 in all biological sciences coursework.

Course	Title	Hours
BIOL 210	General Biology I	4
BIOL 211	General Biology II	4
BIOL 418	General Ecology	4
BIOL 419	Genetics	4
BIOL 420	Molecular Cell Biology	4
BIOL 497 or BIOL 499	Biology Colloquium Undergraduate Research	1-2
<i>Select one of the following</i>		3-5
BIOL 330	General Microbiology	
BIOL 502	Vascular Plants	
BIOL 503	Field Botany	
BIOL 524	Vertebrate Zoology	
BIOL 528	Parasitology	
Select additional approved major level biology electives. ¹		13-16
Total Credit Hours		40

Course	Title	Hours
<i>Additional Science Requirements for Biological Sciences (BS-Biological/Biomedical Emphasis)</i>		
CHEM 211	General Chemistry I	5
CHEM 212	General Chemistry II	5
CHEM 531	Organic Chemistry I	5
CHEM 532	Organic Chemistry II	5
PHYS 213	General College Physics I	5
PHYS 214	General College Physics II	5
Total Credit Hours		30

¹ See list of excluded courses (<http://catalog.wichita.edu/undergraduate/fairmount-liberal-arts-sciences/biological-sciences/>) (nonmajor courses may not be used to satisfy the requirements for the major).

Applied Learning

Students pursuing the BA/BS programs in the department of biological sciences are required to complete an applied learning or research experience to graduate from the program. The requirement can be met by completing BIOL 418 General Ecology (4 credit hours) or BIOL 499 Undergraduate Research (2 credit hours minimum).