

# BA in Biological Sciences with Biological/Biomedical Emphasis

## Program Requirements

A minimum total of 120 credit hours is required for the BA 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/academic-information/general-education-program/>) and the requirements of Fairmount College of Liberal Arts and Sciences, students must meet the following requirements:

A major in biological sciences leading to the BA with a biological/biomedical emphasis requires a minimum of 30 credit hours of biological sciences coursework; up to 40 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	Biology Colloquium	1-2
or BIOL 499	Undergraduate Research	
<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	
<i>Select additional approved major level biology electives <sup>1</sup></i>		3-6
<b>Minimum Biological Sciences Credit Hours</b>		<b>30</b>

Course	Title	Hours
<b>Additional Science Requirements for Biological Sciences (BA)</b>		
CHEM 211	General Chemistry I	5
CHEM 212	General Chemistry II	5
CHEM 531	Organic Chemistry I	5
CHEM 532	Organic Chemistry II	5
<b>Total Credit Hours</b>		<b>20</b>

<sup>1</sup> 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 in the BA in biological sciences with biological/biomedical emphasis program are required to complete an applied learning or research experience to graduate from the program. The requirement can be met by BIOL 418 and/or BIOL 499.