

Major in Biological Sciences: Secondary Education

This major allows for the completion of the requirements for a degree in biological sciences and the certification requirements to teach biology in grades 6–12. Students selecting this option should work closely with the teacher education advisor.

Major Requirements

Course	Title	Hours
BIOL 210	General Biology I	4
BIOL 211	General Biology II	4
BIOL 330	General Microbiology	5
BIOL 418	General Ecology	4
BIOL 419	Genetics	4
BIOL 420	Molecular Cell Biology	4
BIOL 502	Vascular Plants	4
or BIOL 503	Field Botany	
Select one of the following		3-5
BIOL 524	Vertebrate Zoology	
BIOL 527	Comparative Anatomy	
CHEM 211	General Chemistry I	5
CHEM 212	General Chemistry II	5
CHEM 531	Organic Chemistry I	5
PHYS 213	General College Physics I	5
PHYS 502	Science Investigations: Physics	3-5
GEOL 300	Energy, Resources and Environment	3
Professional Education Requirements ¹		
Additional credit hours ²		
Total Credit Hours		58-62

¹The professional education requirements for majors in science as outlined by the College of Applied Studies (<http://catalog.wichita.edu/undergraduate/applied-studies/>).

²Additional credit hours to complete the requirements for either the Bachelor of Arts or the Bachelor of Science with an emphasis in either biological/biomedical biology or ecological/environmental/organismal biology.

Applied Learning

Students in the biological sciences: secondary education program are required to complete an applied learning or research experience to graduate from the program. The requirement can be met by successfully completing BIOL 418 General Ecology.