Available emphases in the B. S. in Biology include Health

Studies: Gerontology, Pre-Dentistry, Pre-Medicine, Pre-

Nursing, Pre-Pharmacy, Pre-Physical Therapy, and Pre-Veterinary Medicine. Contact the department chair for

details.

The biology degree program at Williams Baptist University provides a strong background for students interested in pursuing careers in biology and in health professions. This degree is designed to give students a broad background in biology with personalized help in focusing studies toward career goals. Upon completion of this degree, students will be able to

- Demonstrate deep understanding of scientific knowledge sufficient to succeed in professional programs (such as medical school), pursue graduate study in biology, or work in a biological field.
- Demonstrate their knowledge and critical thinking skills by using their scientific knowledge to analyze complex scientific data related to research results and to solve complex scientific problems.
- Interpret models of complex biological data and identify flaws and limitations.
- Create their own experiments to address or investigate issues raised by existing research.

General Education Requirements (45 hrs.)		Natural Sciences Core (38 hrs.)	
The Biblical World (6 hrs.)			4.1
The Biblical Story	3 hrs.	*Botany or Zoology	4 hrs.
The Christian Worldview	3 hrs.	*Principles of Biology II (or second organismal class)	
		Genetics	3 hrs.
The Cultural World (15 hrs.)		Organic Chemistry I	4 hrs.
English Composition I and II	6 hrs.	Organic Chemistry II	4 hrs.
World Literature I or II	3 hrs.	Special Topics in Science and Faith	2 hrs.
Humanities electives (choose two)	6 hrs.	Biology Seminar	2 hrs.
(Any appreciation course, philosophy, or speech		General Chemistry II	4 hrs.
communication)		General Physics I or Physics I	4 hrs.
		General Physics II or Physics II	4 hrs.
The Social World (9 hrs.)		Trigonometry (or more advanced math elective)	3 hrs.
American History & Politics	3 hrs.		
(U.S. History Before 1865 or Since 1865 or Am. Govt.)		Both Botany and Zoology (organismal classes) are required for	
The West & Global Cultures	3 hrs.	students who did not take Principles of Biology I and II Principles of Biology II is not required for students who tool	k Riologica
(Western Civilization I or II or World Geography)		Science and lab.	K DIUIUgical
Social Sciences	3 hrs.		
(Sociology, government, psychology, or economics)		Biology Electives	
		(18 hrs. with 15 upper level from the Following O	ptions)
The Natural World (15 hrs.)	_		_
Health and Physical Education	4 hrs.	Anatomy and Physiology I	4 hrs.
(one hour must be physical activity)		Microbiology	4 hrs.
Mathematics	3 hrs.	Science and Faith	3 hrs.
(College Algebra or higher, excluding Contemporary Math)		Entomology	4 hrs.
Bio. Science & Lab or Principles of Biology I	4 hrs.	Biochemistry	4 hrs.
General Chemistry I	4 hrs.	Cell Biology	4 hrs.
		Comparative Anatomy	4 hrs.
Interdisciplinary Liberal Arts Electives		Advanced Anatomy and Physiology	4 hrs.
(19 hrs.)		Environmental Science & Ecology	4 hrs.
		Ecology	4 hrs.
Biology majors are required to take at least 19 elective hours outside of the Department of Natural Sciences.		Pharmacology	3 hrs.
		Neuroscience	4 hrs.
		Internship	1-2 hrs.

Total Required Hours: 120 hrs.

1-2 hrs.

2 hrs.

Special Problems

Special Topics