

Arkansas State University – Jonesboro
Bachelor of Science
Major: Emphasis Pre-Veterinary
2025-2026

Students needing foundational course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may require more than eight (8) semesters to complete this program of study. Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters. A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree. It is important to note that some upper-level degree requirements may be courses that are only offered once every two years. Students and advisors must become familiar with the cycle of teaching these courses. Students and advisors must also be aware that some courses may be offered only in Fall or Spring semesters. Mandatory state and institutional assessment exams will be required during your degree program. Failure to participate in required assessments may delay graduation. The following example does not account for the foreign language requirement. Two semesters of a foreign language are required unless taken in high school. This should be discussed with your advisor. If you need to take foreign language courses, choose the lightest semesters.

Year 1			
Fall Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 1013	Biology Making Connections	3	
BIO 1303	Biology of Animals	3	
BIO 1301	Biology of Animals Lab	1	
CHEM 1013	General Chemistry	3	X
CHEM 1011	General Chemistry Lab	1	X
MATH 1054	Precalculus	4	X
	Total Hours	15	

Year 1			
Spring Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 1503	Biology of Plants	3	X
BIO 1501	Biology of Plants Lab	1	X
CHEM 1023	General Chemistry II	3	
CHEM 1021	General Chemistry II Lab	1	
SCOM 1023	Oral Communication	3	X
	Social Science	3	X
	Total Hours	14	

Year 2			
Fall Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 2013	Biology of the Cell	3	
BIO 2011	Biology of the Cell Lab	1	
CHEM 3103	Organic Chemistry I	3	
CHEM 3101	Organic Chemistry I Lab	1	
PHYS 2054	General Physics I	4	
ENG 1003	Composition I	3	X
	Total Hours	15	

Year 2			
Spring Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 3013	Genetics	3	
BIO 3011	Genetics Lab	1	
CHEM 3103	Organic Chemistry II	3	
CHEM 3101	Organic Chemistry II Lab	1	
PHYS 2054	General Physics II	4	
ENG 1013	Composition II	3	X
	Total Hours	15	

Year 3			
Fall Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 4324	Comparative Vertebrate Anatomy	4	
BIO 4104	Microbiology	4	
BIO 4043	Biometry	3	
	OR		
STAT 3233	Applied Statistics I		
	Social Science	3	X
	Fine Art	3	X
	Total Hours	17	

Year 3			
Spring Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 4443	Comparative Animal Physiology	3	
BIO 4441	Comparative Animal Physiology Lab	1	
CHEM 4243	Biochemistry	3	
	Suborganismal Elective	3-4	
	Disease Elective	3	
	Humanities	3	X
	Total Hours	16-17	

Year 4			
Fall Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 3023	Principles of Ecology	3	
	OR		
	Evolution		
	Disease Elective	3-4	
	Elective	3	
	Elective	3	
	Social Science	3	
	Total Hours	15-16	

Year 4			
Spring Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 4021	Biological Seminar	1	
	Organismal Elective	3-4	
	Elective	3	
	Elective	3	
	Elective	3	
	Total Hours	13-14	
	Total Hours for Degree	120	