

Degree Title
Arkansas State University - Jonesboro
Bachelor of Science

Major: Biological Sciences – Pre-Veterinary Emphasis
2024-2025

Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. **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 40 hours of upper division credit (3000-4000 level) is required for this degree. Mandatory state and institutional assessment exams will be required during your degree program. **Failure to participate in required assessments may delay graduation.**

Year 1				Year 1			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
BIO 1013	Biology Making Connections	3		BIO 1503	Biology of Plants	3	
BIO 1303	Biology of Animals	3		BIO 1501	Biology of Plants Lab	1	
BIO 1301	Biology of Animals Lab	1		CHEM 1013	General Chemistry I	3	X
ENG 1003	Composition I	3	X	CHEM 1011	General Chemistry I Lab	1	X
MATH 1054	Precalculus	4	X	ENG 1013	Composition II	3	X
				PHYS 2054	General Physics I	4	
Total Hours		14		Total Hours		15	
Year 2				Year 2			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
BIO 2013	Biology of the Cell	3	X	BIO 3023	Principles of Ecology	3	
BIO 2011	Biology of the Cell Lab	1	X		OR		
CHEM 1023	General Chemistry II	3		BIO 4083	Evolution		
CHEM 1021	General Chemistry II Lab	1		CHEM 3103	Organic Chemistry I	3	
PHYS 2064	General Physics II	4		CHEM 3101	Organic Chemistry I Lab	1	
	Social Science	3	X	BIO 3013	Genetics	3	
				BIO 3011	Genetics Lab	1	
					Social Science	3	X
				SCOM 1203	Oral Communication	3	X
Total Hours		15		Total Hours		17	

Year 3				Year 3			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
BIO 4324	Comparative Vertebrate Anatomy	4		BIO 4443	Comparative Animal Physiology	3	
BIO 4104	Microbiology	4		BIO 4441	Comparative Animal Physiology Lab	1	
CHEM 3113	Organic Chemistry II	3			Disease Elective	3-4	
CHEM 3111	Organic Chemistry II Lab	1		STAT 3233	Applied Statistics	3	
	Fine Arts	3	X	CHEM 4243	Biochemistry	3	
					Humanities	3	X
Total Hours		15		Total Hours		16-17	
Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
	Disease Elective	3-4			Organismal Elective	3-4	
	Suborganismal Elective	3-4		BIO 4021	Biological Seminar	1	
	Elective	3			Elective	3	
	Elective	3			Elective	3	
	US History (to or since 1876) or American Government	3	X		Elective	3	
Total Hours		15-17		Total Hours		13-14	
Total Jr/Sr Hours		46		Total Degree Hours		120	