

Arkansas State University – Jonesboro
Bachelor of Science
Major: Emphasis in Pre-Professional Studies
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 2204	Calculus I	4	X
	OR		
MATH 2194	Survey of calculus		
	Total Hours	15	

Year 2			
Fall Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 3023	Principles of Ecology	3	
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
	Social Science	3	X
	Total Hours	17	

Year 3			
Fall Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 3013	Genetics	3	
BIO 3011	Genetics Lab	1	
BIO 3223	Human Structure & Function I	3	
BIO 3221	Human Structure & Function I Lab	1	
	Social Science	3	X
	Fine Art	3	X
	Total Hours	14	

Year 4			
Fall Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 4083	Evolution	3	
	Pre-Professiona Elective	3	
	Pre-Professiona Elective	3	
	Social Science	3	X
	Elective	3	
	Total Hours	15	

Year 1			
Spring Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 1503	Biology of Plants	3	
BIO 1501	Biology of Plants Lab	1	
CHEM 1023	General Chemistry II	3	
CHEM 1021	General Chemistry II Lab	1	
BIO 2013	Biology of the Cell	3	X
BIO 2011	Biology of the Cell Lab	1	X
SCOM 1203	Oral Communication	3	X
	Total Hours	15	

Year 2			
Spring Semester			
Course No.	Course Name	Hrs	Gen Ed
	Pre-Professional Elective	3	
CHEM 3113	Organic Chemistry II	3	
CHEM 3111	Organic Chemistry II Lab	1	
PHYS 2064	General Physics II	4	
ENG 1013	Composition II	3	X
	Social Science	3	X
	Total Hours	17	

Year 3			
Spring Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 4104	Microbiology	4	
BIO 3233	Human Structure & Function II	3	
BIO 3231	Human Structure & Function II Lab	1	
	Biochemistry OR Cell Biology Lecture & Lab	3-4	
	Humanities	3	X
	Total Hours	14	

Year 4			
Spring Semester			
Course No.	Course Name	Hrs	Gen Ed
BIO 4021	Biological Seminar	1	
	Pre-Professional Elective	3	
	Elective	3	
	Elective	3	
	Elective	3	
	Elective	3	
	Total Hours	15	
	Total Hours for Degree	120	