

Degree Title
Arkansas State University - Jonesboro
Bachelor of Science

Major: Biological Sciences—Evolution, Ecology & Organismal Biology (EEOB)
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 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 taught 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.**

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	X
BIO 1303	Biology of Animals	3		BIO 1501	Biology of Plants Lab	1	X
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 2194 OR MATH 2204	Survey of Calculus OR Calculus I	4	X	ENG 1013	Composition II	3	X
					Social Science	3	X
Total Hours		14		Total Hours		14	

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		BIO 3023	Principles of Ecology	3	
BIO 2011	Biology of the Cell Lab	1		CHEM 3103	Organic Chemistry I	3	
CHEM 1023	General Chemistry II	3		CHEM 3101	Organic Chemistry I Lab	1	
CHEM 1021	General Chemistry II Lab	1		PHYS 2064	General Physics II	4	
PHYS 2054	General Physics I	4			Social Science	3	X
	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 3013	Genetics	3		BIO 4083	Evolution	3	
BIO 3011	Genetics Lab	1		BIO 4513	Plant Physiology	3-4	
BIO 4043	Biometry	3			OR		
	OR			BIO 4443	Comparative Animal Physiology		
STAT 3233	Applied Statistics I				BIO 4441	Comparative Animal Physiology Laboratory	
CHEM 3113	Organic Chemistry II	3			Cell and Molecular Biology Choice Requirement	3-4	
CHEM 3111	Organic Chemistry II Lab	1			Humanities	3	
	Microorganisms and Microscopy Choice Requirement	3-4			Elective	3	
	Fine Art	3	X				
Total Hours		17-18		Total Hours		15-17	

Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
	Taxon-focused Elective	3-4		BIO 4021	Biological Seminar	1	
	Upper-level Biology Elective	3			Upper-level Biology Elective	4	
	Upper-level Biology Elective	4			Upper-level Biology Elective	4	
	Upper-level Biology Elective	3			Upper-level Biology Elective	3	
	Elective	3			Elective	3	
Total Hours		16-17		Total Hours		15	
JR/SR Hours		55-59		Total Degree Hours		120	