

**Degree Title**  
**Arkansas State University - Jonesboro**  
**Bachelor of Science**

**Major: Wildlife, Fisheries & Conservation—Fisheries Emphasis**  
**2019-2020**

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	
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
				MATH 2194	Survey of Calculus	4	
<b>Total Hours</b>		14		<b>Total Hours</b>		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	PHYS 2044	University Physics II	4	
CHEM 1023	General Chemistry II	3			Social Science	3	X
CHEM 1021	General Chemistry II Lab	1		STAT 3233	Applied Statistics I	3	
	Social Science	3	X		Fine Arts	3	X
PHYS 2034	University Physics I	4					
<b>Total Hours</b>		15		<b>Total Hours</b>		16	

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			Choose two of the following	6	
BIO 3011	Genetics Lab	1		BIO 3673	Human Dimensions in Wildlife		
BIO 4603	Limnology	3		BIO 4613	Conservation Biology		
BIO 4601	Limnology Lab	1		POSC 4533	Environmental Law and Administration		
BIO 4372	Applied Fisheries	2		BIO 4312	Fisheries Biology	2	
	OR			BIO 4311	Fisheries Biology Lab	1	
BIO 4362	Applied Aquaculture	2		BIO 4302	Aquatic Entomology Lab	2	
	US History (to or since 1876) or American Government	3	X	BIO 4301	Aquatic Entomology	1	
					Humanities	3	X
SCOM 1203	Oral Communication	3	X				
<b>Total Hours</b>		16		<b>Total Hours</b>		15	
Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
AGRI 3543	Fundamentals of GIS/GPS	3		BIO 4021	Biological Seminar	1	
	Zoology elective	3-4		BIO 4443	Fisheries Program Internship	3	
	Botany elective	3-4		BIO 4333	Marine Biology	3	
	Elective	3			OR		
	Elective	3		BIO 3033	Evolution	3	
				BIO 4402	Ichthyology	2	
				BIO 4401	Ichthyology Lab	1	
					Elective	3-4	
<b>Total Hours</b>		15-17		<b>Total Hours</b>		13-14	
<b>Total Jr/Sr Hours</b>		56-59		<b>Total Degree Hours</b>		120	