

**PVAMU Recommended Degree Sequence
Catalog Year 2021-2022**

College/Department: Arts & Sciences/Biology
Program/Major: Biology

Degree: BS
Total Program Hours: 125

FIRST YEAR Freshman								
Fall Semester			Spring Semester			Summer Semester		
Course Number	Course Name	Hrs	Course Number	Course Name	Hrs	Course Number	Course Name	Hrs
BIOL 1102	Biology Seminar I	1	BIOL 1103	Biology Seminar II	1		Students are encouraged to participate in internships.	
BIOL 1501	General Biology I	5	BIOL 1502	General Biology II	5		In order to reach 30,60, 90 SCH milestones, students may need to take additional courses in the summer.	
	Communication Core	3		Communication Core	3			
CHEM 1303	General Inorganic Chemistry I ¹ (P: MATH 1314 or MATH 1511)	3	CHEM 1304	General Inorganic Chemistry II ¹ (P: MATH 1314 or CHEM 1303)	3			
CHEM 1203	General Chemistry I Lab (P: MATH 1314 or MATH 1511; C: CHEM 1303)	2	CHEM 1204	General Chemistry II Lab ¹ (P: MATH 1314 or MATH 1511; C: CHEM 1304)	2			
	Component Area Option One Core	3	HKIN, KINE or DANC	Physical Activity Course	1			
Total = 17			Total = 15			Total = 0		

SECOND YEAR Sophomore								
Fall Semester			Spring Semester			Summer Semester		
Course Number	Course Name	Hrs	Course Number	Course Name	Hrs	Course Number	Course Name	Hrs
BIOL 1411	Botany	4	BIOL 2416	Genetics	4		Students are encouraged to participate in internships.	
CHEM 2303	General Organic Chemistry I	3	CHEM 2304	Gen Organic Chemistry II	3			
CHEM 2203	Organic Chemistry I Lab	2	CHEM 2204	Organic Chemistry Lab II	2			
MATH 2413	Mathematics Core Calculus I ² (P: MATH 1314 and MATH 1316 or MATH 1511)	4		American History Core	3			
	American History Core	3		Creative Arts Core	3			
HKIN, KINE or DANC	Physical Activity Course	1	HKIN, KINE or DANC	Physical Activity Course	1			
Total = 17			Total = 16			Total = 0		

THIRD YEAR Junior								
Fall Semester			Spring Semester			Summer Semester		
Course Number	Course Name	Hrs	Course Number	Course Name	Hrs	Course Number	Course Name	Hrs
BIOL 3401	Human Physiology and Anatomy	4	BIOL 3402	Human Physiology and Anatomy	4		Students are encouraged to participate in internships.	
BIOL 3307	Molecular Biology I	3	BIOL 3403	General Microbiology	4			
	Foreign Language I	3		Foreign Language II	3			
PHYS 1101	General Physics Lab I or PHYS 2125 University Physics Lab I	1	PHYS 1102	General Physics Lab II or PHYS 2126 University Physics Lab II	1			
	Life and Physical Sciences Core	3		Life and Physical Sciences Core	3			
	Government/Political Science Core	3		Government/Political Science Core	3			
Total = 17			Total = 18			Total = 0		

FOURTH YEAR Senior								
Fall Semester			Spring Semester			Summer Semester		
Course Number	Course Name	Hrs	Course Number	Course Name	Hrs	Course Number	Course Name	Hrs
	Advanced Biology Elective I	4		Advanced Biology Elective III	4			
	Advanced Biology Elective II	4		Advanced Biology Elective IV	2			
	Component Area Option Two Core	3		Advanced Biology Elective V	1			
HKIN, KINE or DANC	Physical Activity Course	1		Language, Philosophy and Culture Core	3			
				Social and Behavioral Sciences Core	3			
Total = 12			Total = 13			Total = 0		

Total Degree Credits = 125

¹Chemistry prerequisites must be met prior to first semester.

²Biology majors are required to take MATH 2413 or higher. Students may need to take the prerequisites of MATH 1314 College Algebra and MATH 1316 Trigonometry or MATH 1511 College Algebra and Trigonometry prior to Calculus I.

Note: A minor is not required, but biology majors may elect the minor of their choice and satisfy the catalog requirements for that minor. However, biology majors only need to complete CHEM 4303 and 4204 to complete catalog requirements for a minor in chemistry.