



College: Ferguson College of Agriculture **Degree/Major:** BSAG/BIMB **Option:** BIOT **Academic Year:** 2025-26

Hours: 120

Proposed* Four-Year Degree Plan

*This plan is an example of how a student may successfully complete degree requirements in four years. Students are responsible for completing requirements in the official degree sheet for each major. It is mandatory for a student to meet with an academic advisor prior to course enrollment each semester. Students must meet all general education and Ferguson College of Agriculture requirements.

Year One								
Fall Semester					Spring Semester			
ENGL	1113	Freshman Composition I		ENGL	1213	Freshman Composition II		
UNIV	1111	First Year Seminar		BIOL	1113	Introductory Biology (N)		
BIOC	1990	Freshman Research in Biochem (1 hr)		BIOL	1111	Introductory Biology Lab (LN)		
CHEM	1314	Chemistry I		CHEM	1515	Chemistry II		
MATH	1813	Preparation for Calculus I		STAT	2013	Elementary Statistics		
	3 hrs	Humanities & International Course (HG)						
Total: 15 credit hours					Total: 15 credit hours			

Year Two								
Fall Semester					Spring Semester			
BIOC	2352	Fundamental Biochemistry		CHEM	3153	Organic Chemistry II		
BIOL	1604	Animal Biology		HIST	1103	Survey of American History		
CHEM	2113	Principles of Analytical Chemistry		MICR	2123	Intro to Microbiology		
CHEM	3053	Organic Chemistry I		MICR	2132	Intro to Microbiology Lab		
	3 hrs	FC Core Course (Group 1, 2 or 3)		PHYS	1114	College Physics I		
Total: 15 credit hours					Total: 15 credit hours			

Year Three								
Fall Semester					Spring Semester			
AGCM	3103	Written Communications in ASNR		AGCM	3203	Oral Communications in ASNR		
BIOC	3713	Biochemistry I		ANSI	3423	Animal Genetics		
BIOC	4013	Biotech Devel and Implementation		BIOC	3153	Synthetic Biology		
CHEM	3112	Organic Chemistry Lab		BIOC	3813	Biochemistry II		
	3 hrs	Gen Ed (Q, H, N or S)			3 hrs	Humanities & Diversity Course (HD)		
	2 hrs	Related Courses						
Total: 16 credit hours					Total: 15 credit hours			

Year Four								
Fall Semester					Spring Semester			
AGEC	1113	Intro to Ag Economics		BIOC	3723	Biochemistry and Molecular Biology Lab		
BIOC	4023	Molec Biol and Stress Response of Plants		BIOC	4213	Disease and Metabolism		
BIOC	4113	Molecular Biology		BIOC	4883	Senior Seminar in Biochemistry		
BIOC	4990	Undergraduate Research (1 hr)		BIOC	4990	Undergraduate Research (1 hr)		
POLS	1113	American Government			3 hrs	Gen Ed (Q, H, N or S)		
	3 hrs	Related Courses						
Total: 16 credit hours					Total: 13 credit hours			