

+DEGREE PLAN

2024-2027

School of Education and Science

Bachelor of Science Degree in Biology

Freshman Year

First Semester

Code	Number	Title	Hours	Grade	Semester	Comments or Substitution
ENGL	1301	English Composition I	3			
BIOL	1411	General Biology I w/ Lab	4			
CHEM	2401	General Chemistry I w/ Lab	4			
GEES	1300	Academic Success Seminar	3			
*MATH	1350	Pre-Calculus I	3			
GEEP	1001	General Educ. Enrich Program	0			
		Total	17			

*Either MATH 1350 or 1351 (Pre-Calculus I, II) or MATH 2410, and 2420 (Calculus I, II)

Second Semester

Code	Number	Title	Hours	Grade	Semester	Comments or Substitution
ENGL	1302	English Composition II	3			
MATH	1351	General Pre-Calculus II	3			
BIOL	1422	General Biology II / Lab (Botany)	4			
CHEM	2402	General Chemistry II w/ Lab	4			
HIST	2300	Introduction to African American Studies	3			
GEEP	1002	General Educ. Enrich Program	0			
		Total	17			

Sophomore Year

First Semester

Code	Number	Title	Hours	Grade	Semester	Comments or Substitution
PHYS	2401	General Physics I with Lab	4			
ENGL	2311	World Literature I	3			
BIOL	2451	General Ecology with Lab	4			
BIOL	2200	Concepts in Laboratory Analysis	2			
CHEM	3401	Organic Chemistry I with Lab	4			
GEEP	2001	General Educ. Enrich Program	0			
		Total	17			

Second Semester

Code	Number	Title	Hours	Grade	Semester	Comments or Substitution
PHED	1110	Fundamentals of Health & Fitness I	1			
PHYS	2402	General Physics II with Lab	4			
CHEM	3402	Organic Chemistry II with Lab	4			
SPCH	2300	Speech Communication	3			
CISC	1300	Introduction to Computing	3			
GEEP	2002	General Educ. Enrich Program	0			
		Total	15			

Junior Year

First Semester

Code	Number	Title	Hours	Grade	Semester	Comments or Substitution
HIST	1301	United States History I	3			
BIOL	3411	Essentials of Cell / Molecular Biology	4			
BIOL	3111	Biology Seminar I	1			
BIOL	3441	Anatomy and Physiology I with Lab	4			
MATH	3305	Elementary Statistics	3			
SPAN	2301	Elementary Spanish I	3			
GEEP	3001	General Educ. Enrich Program	0			
		Total	18			

Second Semester

Code	Number	Title	Hours	Grade	Semester	Comments or Substitution
HIST	1302	United States History II	3			
SPAN	2302	Elementary Spanish II	3			
PHED	1111	Fundamentals of Health & Fitness II	1			
BIOL	3442	Anatomy and Physiology II with Lab	4			
BIOL	4112	Biology Seminar II	1			
PSYC or SOCI	2300 or 2310	Introduction to Psychology or Introduction to Sociology	3			
GEEP	3002	General Educ Enrich Program	0			
		Total	15			

Senior Year

First Semester

Code	Number	Title	Hours	Grade	Semester	Comments or Substitution
BIOL	4201	Research in Biology	2			
BIOL	4411	Principles of Genetics with Lab	4			
HUMA	2300	Humanities	3			
RELI	1301	Survey of Religion and Philosophy	3			
GEEP	4001	General Educ. Enrich Program	0			
MATH	2410	Calculus I	3			
		Total	12			

Second Semester

Code	Number	Title	Hours	Grade	Semester	Comments or Substitution
CHEM	4404	Advanced Techniques in Molecular Biology and Biochemistry	4			
BIOL	4441	Microbiology with Lab	4			
BIOL		Biology Electives with Lab	3/4			
GEEP	4002	General Educ. Enrich Program	0			
		Total	12			

TOTAL CUMULATIVE HOURS 123*

The number of total hours contingent upon, elective chosen

Courses Required to Satisfy a Minor-Optional (26 hours)

Code	Number	Title	Hours	Grade	Semester	Comments or Substitution
BIOL	1411	General Biology I with Lab (Zoology emphasis)	4			
BIOL	1422	General Biology II with Lab (Botany emphasis)	4			
BIOL	2451	General Ecology with Lab	4			
BIOL	3111	Biology Seminar I	1			
BIOL	3411	Essential of Cell/ Molecular Biology with Lab	4			
BIOL	4112	Biology Seminar II	1			
BIOL	4411	Principles of Genetics with Lab	4			
BIOL	4441	Microbiology with Lab	4			
		Total	26			

Student Signature

Date

Major Advisor

Date

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Date