

Biology (BIOL) B.S.

Degree Requirements

Total Academic Credits:	120
Min. Cumulative GPA:	2.0
Core Requirements:	52

Curriculum Notes

This sample plan assumes no Advanced Placement or Transfer Credits and Math Placement into MATH 141. Students must complete a credit-bearing English and Mathematics course in the first year of study.

This sample plan is provided as a guide only. Students must meet with Academic and Faculty Advisors each semester for final approval of courses. The Academic Department makes all final decisions on course requirements for degree completion.

Year One

Fall Semester	Credits	Spring Semester	Credits
ENGL 101 Expository Writing	3	ENGL102 Argument & Research	3
MATH 141 PreCalculus	3	BIOL-103 General Zoology	4
FRSE 101 Freshman Seminar	3	BIOL 105 General Botany	4
BIOL 102 Introductory Biology	4	CHEM 108 General Chemistry II	4
CHEM 107 General Chemistry	4		
Total	17	Total	15

Year Two

Fall Semester	Credits	Spring Semester	Credits
MATH 215 Elements of Calculus	4	CHEM 202 Organic Chemistry II	4
BIOL 209 General Genetics	4	BIOL 313 Cell Biology	4
CHEM 201 Organic Chemistry	4	HIST 114/115 Afr American History	3
HEED 102 Life and Health	3	COSC 112 Computer Science	4
Total	15	Total	15

Year Three

Fall Semester	Credits	Spring Semester	Credits
BIOL 303 Molecular Biology	4	BIOL 309 Microbiology I	4
PHYS 251 General Physics I	4	PHYS 252 General Physics II	4
BIOL 300 Level Elective	4	BIOL 300 Level Elective	4
Arts & Humanities Elective	3	Arts & Humanities Elective	3
Total	15	Total	15

Year Four

Fall Semester	Credits	Spring Semester	Credits
BIOL 402 General Physiology	4	BIOL (400 level Biology Elective)	3
BIOL 403 Biology Seminar	2	Free Electives based on Department	9
BIOL 400 Level Elective	4		
Social Science Elective	3		
CHEM 309 Biochemistry I	4		
		Total	12
Total	17		

Biology Electives		
Course	Description	Credits
BIOL 205	Biology Environmental Pollution	3.00
BIOL 210	Introduction to Biotechnology	4.00
BIOL 301	Heredity & Human Affairs	3.00
BIOL 304	Biology Of Drug Plants	3.00
BIOL 310	Microbiology II	4.00
BIOL 311	Hum Anatomy & Physiology I	4.00
BIOL 312	Hum. Anatomy. & Physiology II	4.00
BIOL 404	Intro to Cancer Biology	4.00
BIOL 405	Investigations	1.00-6.00
BIOL 407	Ecology Of Environmental Adaptation	3.00
BIOL 409	Virology	4.00
BIOL 410	Immunology	3.00
BIOL 411	Endocrinology	4.00
BIOL 415	Plant Physiology	4.00
BIOL 416	Intro to Plant Metabolomics	4.00
BIOL 421	Bioinformatics	4.00
BIOL 423	Applied Biotechnology	4.00
BIOL 424	Genetic Engineering	4.00
BIOL 451	Field Biology	4.00
BIOL 462	Topics In Biology	3.00
CHEM 406	Research In Chemistry	1.00 - 3.00
CHEM 412	Biochemistry II	3.00
CHEM 464	Biochemistry Laboratory	1.00

