

B.S. DEGREE IN BIOLOGICAL SCIENCES – RESEARCH PROFESSIONS

Freshman Fall Semester			Freshman Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL-201	Organisms [§]	4	BIOL-202	Evolution, Ecology and Diversity [§]	4
CHEM-101	General Chemistry I	4	CHEM-102	General Chemistry II	4
ENGL-101	English Composition I	3	ENGL-102	English Composition II	3
	Social Science	3	MTSC-122	Trigonometry	3
BIOL-191	University Seminar I	1	BIOL-192	University Seminar II	1
			BIOL-194	Intro. to Biology Professions	1
	Total Credits	15		Total Credits	16
Sophomore Fall Semester			Sophomore Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL-215	Cell Biology	4	BIOL-210	Genetics*	4
CHEM-210	Organic Chemistry I	4	CHEM-211	Organic Chemistry II	4
MVSC-101	Fitness and Wellness	2	ENGL-xxx	Literature#	3
MTSC-261	Calculus for Life Sciences	4	BIOL-321	Biostatistics	3
ENGL-200	Speech	3	BIOL-299	Soph. Seminar – Sci. Literature	1
	Total Credits	17		Total Credits	15
Junior Fall Semester			Junior Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
BIOL-310	Molecular Biology*	4	CHEM-403	Biochemistry (FALL ONLY) OR	--
BIOL-307	Principles of Physiology	4	BIOL-422	Biochemical Mechanisms (SPRING ONLY)	4
HIST-xxx	History#	3	GLOB-395	Global Societies	3
PHYS-211	Fundamentals of Physics I	4	PHYS-212	Fundamentals of Physics II	4
			BIOL-399	Junior Seminar-Sci. Writing*	1
			BIOL-xxx	Biology Elective	4
	Total Credits	15		Total Credits	16
Summer Research Internship					
Senior Fall Semester			Senior Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
	Arts and Humanities#	3	PHIL-xxx	Philosophy course (Humanities)	3
BIOL-xxx	Biology Elective	4	BIOL-xxx	Biology Elective	4
BIOL-xxx	Biology Elective	4		Open Elective	3-4
BIOL-451	Senior Research (Capstone I)**	2		Open Elective	3-4
			BIOL-499	Senior Seminar (Capstone II)**	1
	Total Credits	13		Total Credits	14-16

** Senior Capstone (if BIOL 301 or internship already completed, 451 can be waived)

*Writing Intensive Course

One of these courses must be used to meet the African American Experience requirement and at least one of the others must meet the Multicultural Experience requirement

[§]BIOL 101 AND 102, or their equivalents from another university, together can substitute for 201 and 202

Total Credits: 121-123
