



BACHELOR OF SCIENCE
Biology
with a Concentration in Radiobiology



SCHOOL OF
ARTS AND SCIENCES

PROGRAM DESCRIPTION

A Bachelor of Science in Biology will provide all dedicated students the opportunities to develop and continue critical thinking skills, become scientifically literate, and engage in hands-on experiential learning.

CAREER OPPORTUNITIES

Myriad careers are available to students who have applied themselves to academic achievements. Graduates may enter professional school to become medical doctors, nurses, dentists, pharmacists, research scientists, educators, policy makers in environmental issues, bioengineers, and health care providers. Graduates can earn a graduate degree to increase both their income and professional standing.

DEGREE CHECKLIST

FRESHMAN			
Prefix	Course No.	Course	Credits
FMU	101	University 101	2
ENG	101	College Writing I	3
REA/ ENG	101	Critical Think/Read or First Year Literature	3
MAT	111	College Algebra	3
CHE	110	General Chemistry I	4
CHE	111	General Chemistry I Lab	1
TOTAL - 1st SEMESTER			16
NSC	102	Critical Think Health/Natural Science	2
ENG	102	College Writing II	3
MAT	113	Trigonometry	3
CHE	101	Concepts in Nuclear Science	1
CHE	112	General Chemistry II	4
CHE	113	General Chemistry II Lab	1
BIO	130	Principles of Biology I	3
BIO	131	Principles of Biology I Lab	1
TOTAL - 2nd SEMESTER			18

SOPHOMORE			
Prefix	Course No.	Course	Credits
CHE	210	Organic Chemistry I	3
CHE	211	Organic Chemistry I Lab	1
BIO	132	Principles Of Biology II	3
BIO	133	Principles Of Biology II Lab	1
MAT	201	Calculus I	3
PHY	202/252	College Physics I or Physics with Calculus I	3
PHY	203/253	College Physics I Lab or Physics with Calculus I Lab	1
TOTAL - 3rd SEMESTER			15
CHE	212	Organic Chemistry II	3
CHE	213	Organic Chemistry II Lab	1
PHY	202/252	College Physics II or Physics with Calculus II	3
PHY	203/253	College Physics II Lab or Physics W/Calculus II Lab	1
COM	103	Intro to Public Speaking	3
BIO	211	Radiobiology	3
TOTAL - 4th SEMESTER			14

JUNIOR			
MAT/PSY	205/312	Probability & Statistics or Intro to Statistics	3
		Foreign Language Requirement I	3
CHE	230	Intro Radiochemistry	3
CHE	231	Intro to Radiochemistry Lab I	1
BIO	2--	Biology Elective	3
BIO	2--	Biology Lab Elective	1
TOTAL - 5th SEMESTER			14
	202	Foreign Lang Requirement II	3
BIO	310	Genetics	3
BIO	311	Genetics Lab	1
	3--	Bio/Che Radio Electives	3
	3--	Bio/Che Radio Electives	1
CSC		Computer Science Requirement	3
TOTAL - 6th SEMESTER			14

SENIOR			
		Social Sciences Requirement	3
		African American History Requirement	3
CHE	370	Advanced Radiochemistry	3
CHE	371	Advanced Radiochemistry Lab	1
	3--	Radiobiology/Radiochemistry Elective	3
NSC	452	Senior Seminar	2
TOTAL - 7th SEMESTER			15
		Humanities Requirement	3
CHE	480	Special Topics Nuc Radio Chem	3
BIO	4--	Biology Elective	3
BIO	4--	Biology Elective	1
NSC	453	Senior Project	1
REL	101	Intro to Religion	3
TOTAL - 8th SEMESTER			14

For more information please contact the School of Arts and Sciences at 305.623.1402 and SOAS@fmuniv.edu.