



BACHELOR OF SCIENCE  
**Biology**



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
BIO	130	Principles of Biology I	3
BIO	131	Principles of Biology I Lab	1
ENG	101	College Writing I	3
MAT	111	College Algebra	3
REA	101	Critical Thinking and Reading	3
<b>TOTAL - 1<sup>st</sup> SEMESTER</b>			<b>15</b>
NSC	102	Critical Thinking in Health/Natural Sci.	2
BIO	132	Principles of Biology II	3
BIO	133	Principles of Biology II Lab	1
ENG	102	College Writing II	3
MAT	113	Trigonometry	3
REL	101/201	Intro to Religion or Philosophy	3
<b>TOTAL - 2<sup>nd</sup> SEMESTER</b>			<b>15</b>

JUNIOR			
Prefix	Course No.	Course	Credits
BIO	310	Genetics	3
BIO	311	Genetics Lab	1
CHE	210	Organic Chemistry I	3
CHE	211	Organic Chemistry I Lab	1
HIS	103	African American History I	3
SPA	201	Spanish I	3
		Social Global Inquiry (SSC)	3
<b>TOTAL - 5<sup>th</sup> SEMESTER</b>			<b>17</b>
BIO	3---	Junior Science Elective	3
BIO	3---	Junior Science Elective Lab	1
CHE	212	Organic Chemistry II	3
CHE	213	Organic Chemistry II Lab	1
SPA	202	Spanish II	3
		Social Global Inquiry (HUM)	3
<b>TOTAL - 6<sup>th</sup> SEMESTER</b>			<b>14</b>

SOPHOMORE			
Prefix	Course No.	Course	Credits
BIO	2--	Sophomore Science Elective I	3
BIO	2--	Sophomore Science Elective I Lab	1
CHE	110	General Chemistry I	4
CHE	111	General Chemistry I Lab	1
CSC	101	Intro to Computers	3
MAT/PSY		Statistics Elective	3
<b>TOTAL - 3<sup>rd</sup> SEMESTER</b>			<b>15</b>
BIO	2--	Sophomore Science Elective II	3
BIO	2--	Sophomore Science Elective II Lab	1
CHE	112	General Chemistry II	4
CHE	113	General Chemistry II Lab	1
COM	103	Intro to Public Speaking	3
MAT		MAT Elective	3
<b>TOTAL - 4<sup>th</sup> SEMESTER</b>			<b>15</b>

SENIOR			
Prefix	Course No.	Course	Credits
BIO	4--	Senior Elective I	3
BIO	4--	Senior Elective I Lab	1
NSC	452	Senior Seminar	2
PHY	200	College Physics I	3
PHY	201	College Physics I Lab	1
		Elective	3
		Elective	3
<b>TOTAL - 7<sup>th</sup> SEMESTER</b>			<b>17</b>
BIO	4--	Senior Elective II	3
BIO	4--	Senior Elective II Lab	1
NSC	453	Senior Project	1
PHY	202	College Physics II	3
PHY	203	College Physics II Lab	1
		Elective	3
<b>TOTAL - 8<sup>th</sup> SEMESTER</b>			<b>14</b>

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