

SCHOOL OF SCIENCE AND ENGINEERING

PROGRAM OF STUDY IN BIOLOGY

FRESHMAN YEAR

<i>First Semester</i>		<i>SCH</i>	<i>Second Semester</i>		<i>SCH</i>
ENG 131	Analysis & Argumentation	3	ENG 132	Information, Literacy & Research	3
MATH 138	College Algebra	3	MATH 140	Precalculus	4
*BIO 117L	Principles of Biology I Lab	1	*BIO 118L	Principles of Biology II Lab	1
*BIO 137	Principles of Biology I	3	*BIO 138	Principles of Biology II	3
STEM 130	History of Biology	3	HIST 130	African American History	3
STEM 131	Critical Thinking in Biology	3		Global and Intercultural	3
STEM 111	The College Experience I	1	STEM 112	The College Experience II	1
Total		17	Total		18

SOPHOMORE YEAR

<i>First Semester</i>		<i>SCH</i>	<i>Second Semester</i>		<i>SCH</i>
ENG 237	Oral Communication	3	*BIO	BIO 200 Level	3
MATH 143	Calculus I	4	*BIO	BIO 200 Level Lab	1
CHEM 117L	Principles of Chemistry I Lab	1	CHEM 118L	Principles of Chemistry II Lab	1
CHEM 137	Principles of Chemistry I	3	CHEM 138	Principles of Chemistry II	3
STEM 221	Professional Pathways Dev. In Biological Sciences	2	SCI 238	Undergrad. Research in Bio.	3
	Global and Intercultural	3	*STEM 230/SCI 230	Scientific Writing or Biomedical Research Techniques	3
	Health & Wellness	2	FS/SP/AR 233	Intermediate Foreign Language	3
Total		18	Total		17

JUNIOR YEAR

<i>First Semester</i>		<i>SCH</i>	<i>Second Semester</i>		<i>SCH</i>
*BIO	BIO 300 Level	3	*BIO	BIO 300 Level	3
*BIO	BIO 300 Level Lab	1	*BIO	BIO 300 Level Lab	1
CHEM 217L	Organic Chemistry I Lab	1	*BIO	BIO 300 Level Lab	1
CHEM 237	Organic Chemistry I	3	CHEM 218L	Organic Chemistry II Lab	1
SCI 331, or Honors 340	Ethics in Science, or International Exploration I	3	CHEM 238	Organic Chemistry II	3
PHYS 211L	General Physics I Lab	1	STEM 328	Career Entrance Exams Prep	2
PHYS 231	General Physics I	3	PHYS 212L	General Physics II Lab	1
CSC 230/STEM 233/M	Visual Basic, or Data Analysis, or Probability and Statistics	3	PHYS 232	General Physics II	3
Total		18	Total		15

SENIOR YEAR

<i>First Semester</i>		<i>SCH</i>	<i>Second Semester</i>		<i>SCH</i>
*BIO	BIO 400 Level	3	*BIO	BIO 400 Level	3
*BIO	BIO 400 Level Lab	1	*BIO	BIO Electives	4
*BIO	BIO 400 Level Lab	1	*BIO 422	Senior Research in Biology II	2
*BIO 421	Senior Research in Biology I	2	SCI 434	Special Topics in Biology	3
*BIO	BIO Elective	3			
	Electives	3			
Total		13	Total		12

Total SCH 128
SCH in Major* 43

*Major courses require a "C" or better.

*BIO Electives = BIO, CHEM, EHS, SCI, or STEM 200 level or above in Biology, Chemistry, or Environ. Health Science