

**MORGAN STATE UNIVERSITY
DEPARTMENT OF BIOLOGY
BACHELOR OF SCIENCE DEGREE IN BIOLOGY
BIOMEDICAL/ PRE-PROFESSIONAL
SUGGESTED CURRICULUM SEQUENCE**

FRESHMAN YEAR (FIRST SEMESTER)

BIOL 105-BP	Intro to Biology I	4
or BIOL 111	(Honors)	
CHEM 105-BP	General Chemistry	4
or CHEM 111	(Honors)	
ENGL 101-EC	English	3
XXX- SB	Social & Behavioral Science Core	3
ORNS 106	Freshman Orientation	1
		15

FRESHMAN YEAR (SECOND SEMESTER)

BIOL 106	Introduction to Biology II	3
or BIOL 112	(Honors)	
CHEM 106	General Chemistry II	3
Or CHEM 112	(Honors)	
MATH 241-MQ	Calculus I	4
ENGL 102-EC	English	3
		15

SOPHOMORE YEAR (FIRST SEMESTER)

BIOL 204	Developmental Biology	4
CHEM 203	Organic Chemistry I	5
or CHEM 205		
PSYC 101-SB	General Psychology	3
XXXX-AH	Arts & Humanities Core	3
		15

SOPHOMORE YEAR (SECOND SEMESTER)

BIOL 209	Animal Physiology	4
CHEM 204	Organic Chemistry	5
or CHEM 206		
XXXX-AH	Arts & Humanities Core	3
COSC 110-IM	Introduction to Computer Science	3
		15

JUNIOR YEAR (FIRST SEMESTER)

BIOL 303	Genetics and Population Biology	4
PHYS 203	Fundamentals of Physics	4
XXXX - CI	Contemporary & Global Issues	3
PHIL 109-CT	Introduction to Logic	3
PHEC XXX	Physical Education Elective	1
		15

JUNIOR YEAR (SECOND SEMESTER)

BIOL 310	Cell and Molecular Biology	4
PHYS 204	Fundamentals of Physics	4
XXXX	Complementary Studies	3
PYSC 108	Scientific Method in PSY	3
		14

SENIOR YEAR (FIRST SEMESTER)

BIOL 205	Ecology & Adaptation	4
CHEM 304	Biochemistry	4
BIOL 4XX	400 Level Biology Course	4
XXXX	*Statistics Elective	3
XXXX-HH	Health & Healthful Living	3
		18

SENIOR YEAR (SECOND SEMESTER)

BIOL 4XX	400 Level Biology Course	4
XXXX	Complementary Studies	3
XXXX	Free Elective	3
BIOL 4XX	Scientific Writing Course	3
		13

TOTAL CREDIT HOURS 120

*Students can choose from the following to satisfy the Statistics elective: Math 120, PSYC 316

**Students are strongly advised to see their major advisor and the Director of Pre-Professional Programs for advising.