

**MORGAN STATE UNIVERSITY  
DEPARTMENT OF BIOLOGY  
BACHELOR OF SCIENCE DEGREE IN BIOLOGY**

**GENERAL**

**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
MATH 113–MQ	Math Analysis I	4
ORNS 106	Freshman Orientation	1
		16

**FRESHMAN YEAR (SECOND SEMESTER)**

BIOL 106	Intro to Biology II	4
or BIOL 112	(Honors)	
CHEM 106	General Chemistry	4
or CHEM 112	(Honors)	
MATH 114–MQ	Math Analysis II	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	(Honors)	
XXXX–SB	Social and Behavioral Sci Core	3
XXXX–AH	Arts & Humanities Core	3
		15

**SOPHOMORE YEAR (SECOND SEMESTER)**

BIOL 2XX	200 Level Biology Course	4
CHEM 204	Organic Chemistry II	5
or CHEM 206	(Honors)	
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
XXXX–SB	Social and Behavioral Sci Core	3
		17

**JUNIOR YEAR (SECOND SEMESTER)**

BIOL 310	Cell and Molecular Biology	4
PHYS 204	Fundamentals of Physics	4
BIOL 4XX	Biology Course (400 level)	4
PHEC XXX	Physical Education	1
		13

**SENIOR YEAR (FIRST SEMESTER)**

XXXX	BIOL 4XX / *CHEM Elec.	4
XXXX	Complementary Studies	3
XXXX	**Quantitative Analysis Course	3/4
XXXX–HH	Health & Healthful Living	3
		13/14

**SENIOR YEAR (SECOND SEMESTER)**

BIOL 4XX	Biology Course (400 level)	4
XXXX	Complementary Studies	3
BIOL 4XX	Scientific Writing Course	3
XXXX	Free Electives	6/5
		16/15

**TOTAL CREDIT HOURS**

**120**

**PLEASE NOTE:**

\*For the CHEM elective, the student must choose CHEM 202 or CHEM 304. Only CHEM 304 can fulfill a major or minor in chemistry.

\*\*For the quantitative analysis course, students may choose one of the following courses: ACCT 201, ECON 212, PSYC 316, PSYC 317, MATH 120, MATH 241, MATH 242, or MATH 331.

BIOL 450-451 or 453 may not be used to satisfy the 400-level biology requirements.

MATH 241 and 242 are prerequisites for PHYS 205.