



**BIOLOGY: PREPROFESSIONAL SCIENTIFIC TRACK**  
**Science & Math Degree**  
**#2160**  
**Suggested Sequence by Semester**

*This suggested sequence does not include any required developmental courses.  
Degree completion time may vary depending upon the number of credits taken each semester.*

SEMESTER I			SEMESTER II		
		CREDITS			CREDITS
English Composition I	ENG 111	3	English Composition II	ENG 112	3
General Biology I	BIO 121	4	General Biology II	BIO 122	4
Precalculus	MAT 123	4	Analytic Geometry & Calculus I	MAT 131	4
General Chemistry I Lecture	CHM 125	3	General Chemistry II Lecture	CHM 127	3
General Chemistry I Lab	CHM 126	<u>1</u>	General Chemistry II Lab	CHM 128	<u>1</u>
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>15</b>
<b>SEMESTER III</b>			<b>SEMESTER IV</b>		
General Education Elective		3	General Education Elective		3
General Psychology	PSY 113	3	Organic Chemistry II Lecture	CHM 233	3
Organic Chemistry I Lecture	CHM 231	3	Organic Chemistry II Lab	CHM 234	1
Organic Chemistry I Lab	CHM 232	1	Humanities Elective		3
Biology Elective		4	Math/Science/Technology Elective		<u>3</u>
Social Science Elective		<u>3</u>			
	<b>TOTAL</b>	<b>17</b>		<b>TOTAL</b>	<b>13</b>

**MATH/SCIENCE/TECHNOLOGY**

**MATHEMATICS:** Students demonstrating proficiency in MAT 123 Pre-Calculus are encouraged to take MAT 131 Analytic Geometry and Calculus I followed by MAT 124 Statistics (or MAT 130, Probability and Statistics) or MAT 132 Analytic Geometry and Calculus II. You may use an additional Math class as an elective in the Math/Science/Technology category.

**SCIENCE/TECHNOLOGY:** Consult the General Education course list for approved courses in Science and Technology.

**If you do not pass the Technology Literacy Competency exam,** you must take one of the courses in Technological Competency or Information Literacy listing from the General Education course list. This course can be used to fulfill a General Education Math/Science/Technology elective.

**BIOLOGY ELECTIVES:** Select from the following courses:

- BIO 202 Ecology (Fall)
- BIO 215 Microbiology
- BIO 201 Genetics (Spring)
- BIO 223 Cell and Molecular Biology (Fall)
- CHM 212 Biochemistry

**NOTE:** BIO 101 and BIO 102, Anatomy & Physiology I & II cannot be substituted for the Biology Elective.

**GENERAL EDUCATION ELECTIVES:** Please select any courses from the approved list of General Education courses. Students who plan to transfer to a B.A. (Bachelor of Arts) program should take COM 109, Speech Fundamentals, since this is required for that degree.

**HUMANITIES:** Please select a Humanities course from the General Education course list.

**SOCIAL SCIENCE:** Please select a Social Science course from the General Education course list.

**NOTE:** BIO 233 Independent Study in Biology does not fulfill any of the science requirements in Biology, but may be taken as a free elective.

**HONORS COURSES:** You may be eligible to take honors courses. For more information, contact Prof. Laura Gabrielsen, 973-328-5459.