

#2160
BIOLOGY: HEALTH
RELATED TRACK
Science & Math Degree

NOTES:

This is an unofficial document and should be used for academic planning purposes only. All students are required to see their Academic Advisor each semester to discuss and approve their selection of courses before they register.

Due to continual program revisions mandated by accrediting agencies and/or changes in state mandated requirements, students should consult their academic advisor when selecting courses.

If you need the name of your academic advisor, contact the Biology/Chemistry Department, 973-328-5360.

The Health Related Track is intended for students seeking careers in specialized health-related fields such as occupational therapy or physician assistant. It is not recommended for students interested in medicine, dentistry, optometry, podiatry, or chiropractic medicine.

To determine the transferability of your courses to participating NJ Colleges & Universities, visit the NJ Transfer site at www.njtransfer.org.

Science courses completed by students prior to entering the program must be less than seven years old. If the science courses exceed the seven-year limit, students must prove their competency by testing, or they must retake the courses.

Note: All developmental Math courses must be completed prior to enrolling in the core science courses. Please see the course catalog for English prerequisites.

*See back for more information

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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			CREDITS	SEMESTER II			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		Social Science Elective		3	
Math/Science/Technology Elective		<u>3</u>		Analytic Geometry & Calculus I OR	MAT 131		
				Probability and Statistics	MAT 130	<u>4</u>	
	TOTAL	14			TOTAL	14	
SEMESTER III				SEMESTER IV			
Anatomy & Physiology I	BIO 101	4		Anatomy & Physiology II	BIO 102	4	
General Chemistry I Lecture	CHM 125	3		General Chemistry II Lecture	CHM 127	3	
General Chemistry I Lab	CHM 126	1		General Chemistry II Lab	CHM 128	1	
Biology Elective		4		Social Science/Humanities Elective		3	
General Education Elective		<u>3</u>		General Education Elective		3	
				Humanities Elective		<u>3</u>	
	TOTAL	15			TOTAL	17	

MATH/SCIENCE/TECHNOLOGY

MATHEMATICS: Students demonstrating proficiency in MAT 123 Precalculus are encouraged to take MAT 131 Analytic Geometry and Calculus I followed by 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.

TECHNOLOGY LITERACY: 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.

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) degree program should take COM 109, Speech Fundamentals since this is required for B.A. degrees. [Click here for the most recent General Education course list.](#)

HUMANITIES: Please select appropriate courses from the approved list of General Education courses for Humanities.

SOCIAL SCIENCES: Please select appropriate courses from the approved list of General Education courses for Social Science.

BIOLOGY ELECTIVES: Select from the following courses:

BIO 201 Genetics (offered Spring only)

BIO 202 Ecology (offered Fall only)

BIO 215 Microbiology

BIO 223 Cell and Molecular Biology (offered Fall only)

CHM 212 Biochemistry (offered Spring only)

HONORS COURSES: BIO 121, BIO 122, and BIO 202 offer selected sections with an honors option. Consult with your Academic Advisor for more information.

NOTES:

- Students will not receive credit towards graduation for more than one of the following courses: MAT 124 and MAT 130.
- BIO 101 and BIO 102, Anatomy & Physiology I & II cannot be substituted for the Biology Elective.