



Biology Major

Total Credits: 43

REQUIRED COURSES (16 CREDITS)		Term	Credits	Resid
Subj/Course #	Title			(O/R)
BIO 1011	Principles of Biology 1 Lecture, Fall course		4	
BIO 1013	Principles of Biology 1 Lab, Fall course		0	
BIO 1012	Principles of Biology 2 Lecture, Spring course		4	
BIO 1014	Principles of Biology 2 Lab, Spring course		0	
CHE 1045	General Chemistry 1, Fall course		3	
CHE 1046	General Chemistry 2, Spring course		3	
CHE 1047	General Chemistry Lab Spring course		2	

REQUIRED BIOLOGY ELECTIVES				
<i>Choose four advanced lecture/lab courses of which one must be from Genetics or Molecular AND another must be from Microbiology or Cell (16 CREDITS)</i>				
BIO 3513	Genetics OR BIO 3521 Molecular Biology		4	
BIO 4023	Microbiology OR BIO 3207 Cell Biology		4	
BIO 2730	Human Anatomy		4	
BIO 3728	Physiology		4	
BIO 1376 & 1377	Biochemistry Lecture/Lab		5	

<i>Two lecture only classes or another 4 credit lecture/lab course (4 credits)</i>				
BIO 1372	Bioinformatics		4	
BIO 1376 ^a	Biochemistry Lecture		3	
BIO 2403	Intro to Public Health		3	
BIO 2105	Immunology		2	
BIO 3804	Psychobiology		3	
BIO 4931	Topics: Neurobiology		2	
BIO 4934	Bioethics		2	
BIO 4901 ^b	Independent Study/Research		1-2	

^a This course can only count once towards the major

^b Two credits of approved research may count toward the lecture only course requirements. Research is graded P/N.

MATH REQUIREMENTS (7-8 CREDITS)				
MAT 1410 or MAT 1412			4	
MAT 1413 (4 Credits) or STA 1021 (3 Credits)			3-4	

- Notes:
- 60% of this major must be taken at Yeshiva College
 - Major/Minor courses require a grade of a "C-" or better to fulfill its requirement

Updated July 2024