



## Biology Major

Total Credits: 43

REQUIRED COURSES (16 CREDITS)		Term	Credits	Resid
Subj/Course #	Title			(O or 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

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)

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	

Two lecture only classes or another 4 credit lecture/lab course (4 credits)

BIO 1372 Bioinformatics		4	
BIO 1376 <sup>a</sup> 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 <sup>b</sup> Independent Study/Research		1-2	

<sup>a</sup> This course can only count once towards the major

<sup>b</sup> 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