



## Biology Major

Total Credits: 43

Subj/Course #	Title	Term	<input checked="" type="checkbox"/>	Credits	Resid (O/R)
<b>REQUIRED COURSES (16 CREDITS)</b>					
BIO 1011	Principles of Biology 1 Lecture (Fall course)			3	
BIO 1013	Principles of Biology 1 Lab (Fall course)			1	
BIO 1012	Principles of Biology 2 Lecture (Spring course)			3	
BIO 1014	Principles of Biology 2 Lab (Spring course)			1	
CHE 1045	General Chemistry 1 (Fall course)			3	
CHE 1046	General Chemistry 2 (Spring course)			3	
CHE 1047	General Chemistry Lab (Spring course)			2	

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

<b>ADDITIONAL BIOLOGY ELECTIVES (4 CREDITS)</b>					
<i>Two lecture-only classes or another 4-credit lecture &amp; lab course</i>					
BIO 1372 <sup>a</sup>	Bioinformatics			4	
BIO 1376 <sup>b</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>c</sup>	Independent Study/Research			1-2	
<sup>a</sup> Students who take BIO 1372 must take another elective as well to complete the major.					
<sup>b</sup> This course can only count once towards the major.					
<sup>c</sup> Two credits of approved research may count toward the lecture only course requirements. Research is graded P/N.					

<b>MATH REQUIREMENTS (7-8 CREDITS)</b>					
MAT 1410 or 1412	Fundamentals of Calculus or Calculus I			4	
MAT 1413 or STA 1021	Calculus II or Intro to Statistics			4 or 3	

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 November 2025