



Biology Major

Total Credits: 43

Subj/Course #	Title	Term	<input checked="" type="checkbox"/>	Credits	Resid (O/R)
REQUIRED COURSES (16 credits)					
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	

REQUIRED BIOLOGY ELECTIVES: ADVANCED LECTURE/LAB COURSES (16 credits)					
<i>Choose four advanced lecture/lab courses as indicated below.</i>					
Adv BIO Lec/Lab #1	From List A			4	
Adv BIO Lec/Lab #2	From List B			4	
Adv BIO Lec/Lab #3	From Lists A, B, or C			4	
Adv BIO Lec/Lab #4	From Lists A, B, or C			4-5	
List A: BIO 3515 Genetics BIO 3521 Molecular Biology		List B: BIO 4023 Microbiology BIO 3207 Cell Biology		List C: BIO 2320 Comparative Anatomy BIO 3728 Physiology BIO 1376&77 Biochemistry Lecture & Lab	

ADDITIONAL BIOLOGY ELECTIVES (4 credits)					
<i>Complete either:</i> <i>1 additional course from Lists A, B, or C</i> <i>2 courses from List D</i>					
BIO Elec #1				2-4	
BIO Elec #2				2-3	
List D: BIO 1372 Bioinformatics BIO 1376 Biochemistry Lecture (without lab) BIO 2403 Intro to Public Health BIO 2105 Immunology BIO 3804 Psychobiology BIO 4931 Topics: Neurobiology BIO 4934 Bioethics BIO 4901 Independent Study/Research					
Notes: <i>1. Students who take BIO 1372 Bioinformatics must take another elective as well to complete the major.</i> <i>2. If a student took BIO 1376 Biochemistry Lecture and BIO 1377 Biochemistry Lab toward the Biology Elective Lecture/Lab Courses, then BIO 1376 Biochemistry Lecture cannot count again toward the Additional Biology Electives.</i> <i>3. Two credits of approved research may count toward the lecture-only course requirements.</i>					

MATH REQUIREMENTS (7-8 credits)					
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:

1. 60% of this major must be taken at Yeshiva College
 2. Major/Minor courses require a grade of a "C-" or better to fulfill its requirement
- Updated December 2025