

BIOLOGY MAJOR – B.S.

This B.S. degree requires 60 liberal arts credits out of the 120 credits required for graduation.

Summary

Code	Title	Credits
	Biology B.S. Major Requirements	59-61
	Integrative Core Curriculum Requirements and Electives ¹	59-61
Total Credits		120

¹ This major is approved to fulfill the Integrative Core Curriculum (<https://catalog.ithaca.edu/undergrad/programsaz/integrative-core-curriculum/>) requirement for the Natural Sciences perspective.

Degree Requirements

Code	Title	Credits
REQUIRED COURSES WITHIN THE DEPARTMENT		
BIOL 12100	Principles of Biology, Cell and Molecular	4
BIOL 12200	Principles of Biology, Ecology and Evolution	4
BIOL 22700	Genetics	4
BIOL 22800	Evolution	4
BIOL 20100	Presenting Biology	1
BIOL 30200	Research in Biology	3
BIOL 41100	Biology Seminar	0.5
BIOL 41200	Biology: Seminar	0.5
Biology Electives		
Five courses with Biology Elective Attribute "BIEL"; at least three courses must be at the 300 level or above.		18-20
-Note: courses may only count once in the major; if a BIEL course is used to fulfill any other major requirement, it cannot also be used as an Elective.		
REQUIRED COURSES OUTSIDE THE DEPARTMENT		
CHEM 12100 & CHEM 12200 or CHEM 12300	Principles of Chemistry and Principles of Chemistry Laboratory or Principles of Chemistry - Enriched Section	4
CHEM 22100 & CHEM 22300	Organic Chemistry I and Organic Chemistry I Laboratory	4
MATH 14500	Statistics for the Health, Life, and Social Sciences	4
Eight (8) additional credits from Chemistry (CHEM), Physics (PHYS), Mathematics (MATH), or Computer Science (COMP), excluding courses that count towards the Integrative Core Curriculum		8
Total Credits		59-61