

BIOLOGY MAJOR – B.A.

CHEM 22100	Organic Chemistry I	3
MATH 14500	Statistics for the Health, Life, and Social Sciences	4

Total Credits **56-60**

Summary

Code	Title	Credits
	Biology B.A. Major Requirements	56-60
	Integrative Core Curriculum Requirements ¹	29-41
	Electives	20-35
Total Credits		120

¹ See Integrative Core Curriculum requirements, with information about the H&S CLA requirement. (<https://catalog.ithaca.edu/undergrad/schools/school-humanities-sciences/#integrativecorecurriculumicctext>)

Degree Requirements

Code	Title	Credits
BIOLOGY		
BIOL 12100	Principles of Biology, Cell and Molecular	4
BIOL 12200	Principles of Biology, Ecology and Evolution	4
BIOL 22700	Genetics	4
BIOL 27100	General Ecology	4
BIOL 20700	Communicating Biology	3
BIOL 30200	Research in Biology	3
BIOL 41100	Biology Seminar	0.5
BIOL 41200	Biology: Seminar	0.5
Evolutionary Perspective		
Select one of the following courses:		3-4
BIOL 22300	Biology of Oceanic Islands	
BIOL 22800	The Evolution of Adaptations	
BIOL 32400	Wonderful Life: Genes, Evolution, and Biodiversity	
BIOL 47800	Evolution	
Cellular/Molecular Perspective		
Select one of the following courses:		4
BIOL 31500	Neurobiology	
BIOL 34500	Developmental Biology	
BIOL 35200	Microbiology	
BIOL 35400	Cell Biology	
BIOL 37300	Plant Physiology	
Biology Electives		
Four courses with Biology Elective attribute "BIEL" that meet the following criteria:		13-16
-At least one elective must be 4-credit		
-At least one elective must be at level 3 or above.		
-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.		
COURSES OUTSIDE THE DEPARTMENT		
CHEM 12100 & CHEM 12200	Principles of Chemistry and Principles of Chemistry Laboratory or CHEM 12300Principles of Chemistry - Enriched Section	4
CHEM 12400	Experimental Chemistry I	2