

Biology

Requirements for the Major in Biology - Integrative Track

The major requires successful completion of the following:

Code	Title	Semester Hours
Course Requirements ^{1,2}		
BIOL 130	Field Investigations in Biology	4
BIOL 133	Introductory Molecular Biology and Genetics ³	4
BIOL 213	Evolutionary Biology	4
BIOL 223	Genetics (Lab)	4
BIOL 233	Molecular Cell Biology	4
BIOL 324	Junior Seminar	2
BIOL 424	Senior Seminar	2
CHEM 120	General Chemistry (Lab)	4
or CHEM 150	Advanced General Chemistry (Lab)	4
Select two of the following:		8
BIOL 203	Comparative Vertebrate Anatomy (Lab)	
BIOL 221	Environmental Physiology of Plants (Lab)	
BIOL 229	Biology of Human Reproduction	
BIOL 302	Plant Growth and Development	
BIOL 312	General and Human Physiology	
or BIOL 314	General and Human Physiology (Lab)	
BIOL 323	Environment and Development	
BIOL 333	Developmental Biology (Lab)	
or BIOL 334	Developmental Biology	
Select eight additional hours in biology (BIOL) from courses numbered 200 or above: ⁴		8
Total Semester Hours		44

Code	Title	Semester Hours
------	-------	----------------

Additional Requirements

A comprehensive examination

- ¹ Courses numbered below 130 do not count toward the major.
- ² At least four of the required and elective biology courses must have a laboratory.
- ³ The Department of Biology will allow an AP test score of 5 or a higher level IB test score of 6 or 7 to substitute for BIOL 133. Students should be advised that mastery of the material covered in BIOL 133 is important as majors will be tested on it during their comprehensive exams.
- ⁴ Students who have completed and passed a) the Island Ecology summer program or b) the specific combination of the two half courses BIOL 241 and BIOL 251 may count either a) or b) as one laboratory course in the major. For purposes of calculating GPA within the major, the grade for the island ecology program will count as the equivalent of one biology class.

Required for a B.S. (but not for a B.A.) in Biology

Code	Title	Semester Hours
Course Requirements		
Select four additional courses in mathematics, statistics, or science outside biology, including at least two lab science courses		16
Total Semester Hours		16