

# Biology

## Requirements for the Major in Biology - Integrative Track

The major requires successful completion of the following:

Code	Title	Semester Hours
<b>Course Requirements <sup>1,2</sup></b>		
BIOL 130	Field Investigations in Biology	4
BIOL 133	Introductory Molecular Biology and Genetics <sup>3</sup>	4
BIOL 213	Evolutionary Biology	4
BIOL 223	Genetics (Lab)	4
BIOL 233	Molecular Cell Biology	4
BIOL 424	Senior Seminar	4
CHEM 120	General Chemistry (Lab)	4
or CHEM 150	Advanced General Chemistry (Lab)	4
Select two of the following courses in physiology and development: <sup>4</sup>		8
BIOL 203	Comparative Vertebrate Anatomy (Lab)	
BIOL 218	Principles of Animal Nutrition and Metabolism	
BIOL 221	Environmental Physiology of Plants (Lab)	
BIOL 229	Biology of Human Reproduction	
BIOL 232	Human Health and the Environment (Lab)	
BIOL 270	Human Anatomy (Lab)	
BIOL 275	Histology and Microanatomy	
BIOL 312	General and Human Physiology	
BIOL 314	General and Human Physiology (Lab)	
BIOL 323	Environment and Development	
BIOL 333	Developmental Biology (Lab)	
BIOL 334	Developmental Biology	
BIOL 345	Human Anatomy and Physiology I	
BIOL 346	Human Anatomy and Physiology II	
NEUR 208	Neurobiology	
NEUR 351	Experimental Neurobiology (Lab)	
Select eight additional hours in biology (BIOL) from courses numbered 200 or above: <sup>2,3,4,6</sup>		8
<b>Total Semester Hours</b>		<b>44</b>

Code	Title	Semester Hours
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### Additional Requirements

A comprehensive examination

- <sup>1</sup> Courses numbered below 130 do not count toward the major.
- <sup>2</sup> At least four of the required and elective biology courses must have a laboratory.
- <sup>3</sup> NEUR 208, NEUR 351, and NEUR 415 also count as upper level courses in Biology.
- <sup>4</sup> Students may only receive credit once for courses delivered as both lab and non-lab offerings.
- <sup>5</sup> 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.
- <sup>6</sup> Students who have completed and passed the Island Ecology summer program (ESCI 240) may count it as one laboratory course in the major. For purposes of calculating GPA within the major, the grade for ESCI 240 will count as the equivalent of one biology class.