

## BIOLOGY

Minimum courses required: 15

<u>Course requirement</u>	<u>Semester Taken</u>
1. BIO 111: Evolution and Ecology	_____
2. BIO 112: Cells and Genes (Biology 111 and 112 can be taken in any order)	_____
FOUR 200-level courses*, to include at least three courses with labs:	
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____
THREE 300-level courses*, to include at least two courses with labs:	
7. _____	_____
8. _____	_____
9. _____	_____
10. CHEM 153: Chemical Principles	_____
11. CHEM 232: Aqueous Equilibria Or CHEM 253: Organic Chemistry I	_____
THREE related courses normally from biology, chemistry, mathematics/computer science or physics or other courses as approved by the department (including PSY 225 and PSY 227).	
12. _____	_____
13. _____	_____
14. _____	_____
15. <b>CAPSTONE:</b> Bio 401/402 Senior Seminar or approved independent research, BIO 499. Public presentations of honors thesis work BIO 500, approved by the department, count as the Senior Capstone.	_____

\*The 200- and 300-level biology courses must include a minimum of **one** course from each of the following areas:

Cells & Molecules:

BIO 211: Genetics (L)  
BIO 219: Cell Biology (L)  
BIO 221: Microbiology (L)  
BIO 254: Developmental Biology (L)

BIO 305: Biochemistry (L)  
BIO 316: Molecular Biology and Genomics (L)  
BIO 321: Immunology  
BIO 324: Neurobiology (L)

Organisms:

BIO 226: Comparative Animal Behavior  
BIO 244: Introductory Physiology (L)  
BIO 252: Parasitology and Symbiosis (L)  
BIO 255: Vertebrate Evolution and Anatomy (L)  
BIO 261: Economic Botany (L)

BIO 290: Biology of Whales\*\*  
BIO 291: Introduction of Marine Mammals\*\*  
BIO 330: Comparative Biomechanics (L)  
BIO 375: Ornithology (L)  
BIO 390: Biology of Fishes\*\*

Systems:

BIO 201: Environmental Science  
BIO 215: Ecology (L)  
BIO 231: Marine Biology (L)  
BIO 303: Evolution (L)  
BIO 317: Molecular Ecology and Evolution (L)

BIO 318: Tropical Field Biology (L)  
BIO 320: Evolution of Invertebrates (L)  
BIO 364: Freshwater and Marine Botany (L)  
BIO 380: Wetlands Ecology, Hydrology, Restoration\*\*

(L) Course with labs

\*\*Offered through the Boston Marine Studies Consortium