

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 from biology, chemistry, mathematics/computer science or physics:	
12. _____	_____
13. _____	_____
14. _____	_____
15. CAPSTONE: Bio 401/402 Senior Seminar or approved independent research. Public presentations of honors thesis work, 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:

<u>Cells & Molecules:</u>	BIO 211: Genetics	BIO 316: Molecular Biology and Biotechnology
	BIO 219: Cell Biology	BIO 321: Immunology
	BIO 221: Microbiology and Immunology	BIO 324: Neurobiology
	BIO 254: Developmental Biology	BIO 347: Endocrinology
	BIO 305: Biochemistry	
<u>Organisms:</u>	BIO 205: Nutrition	BIO 262: Plant Biology
	BIO 220: Evolution of Invertebrates	BIO 290: Biology of Whales**
	BIO 226: Comparative Animal Behavior	BIO 291: Introduction of Marine Mammals**
	BIO 244: Introductory Physiology	BIO 348: Advanced Physiology
	BIO 252: Parasitology and Symbiosis	BIO 375: Ornithology
	BIO 255: Vertebrate Evolution and Anatomy	BIO 390: Biology of Fishes**
<u>Systems:</u>	BIO 016: Cape Cod Barrier Beach Winter Ecology and BIO 017: Cape Cod Barrier Beach Summer Ecology	BIO 317: Molecular Ecology and Evolution
	BIO 201: Environmental Science	BIO 318: Tropical Field Biology (BIO 361: Vernal Pool Conservation Biology)
	BIO 215: Ecology	BIO 364: Freshwater and Marine Botany
	BIO 231: Marine Biology	BIO 368: Methods in Field Biology
	BIO 303: Evolution	BIO 380: Wetlands Ecology, Hydrology, Restoration**

**Offered through the Boston Marine Studies Consortium