

BIOLOGY

IF STUDENT'S GOAL IS PHYSICIAN'S ASSISTANT, THESE ARE THE TYPICAL REQUIREMENTS

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. <u>Physiology and lab</u>	_____
4. <u>Microbiology and lab</u>	_____
5. <u>Genetics (for some programs)</u>	_____
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 AND 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.	
12. <u>Statistics</u>	_____
13. <u>Human Anatomy and lab</u>	_____
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 219: Cell Biology BIO 221: Microbiology	BIO 305: Biochemistry BIO 316: Molecular Biology and Genomics BIO 321: Immunology
<u>Organisms:</u>	BIO 226: Comparative Animal Behavior BIO 244: Introductory Physiology BIO 252: Parasitology and Symbiosis BIO 255: Vertebrate Evolution and Anatomy BIO 262: Plant Biology	BIO 290: Biology of Whales** BIO 291: Introduction of Marine Mammals** BIO 330: Comparative Biomechanics BIO 375: Ornithology BIO 390: Biology of Fishes**
<u>Systems:</u>	BIO 201: Environmental Science BIO 215: Ecology BIO 231: Marine Biology BIO 303: Evolution BIO 317: Molecular Ecology and Evolution	BIO 318: Tropical Field Biology BIO 320: Evolution of Invertebrates BIO 364: Freshwater and Marine Botany BIO 380: Wetlands Ecology, Hydrology, Restoration**

**Offered through the Boston Marine Studies Consortium