

BIOLOGY

IF STUDENT'S GOAL IS NURSING SCHOOL, 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. _____	_____
6. _____	_____
THREE 300-level courses*, to include at least two courses with labs:	
7. _____	_____
8. _____	_____
9. _____	_____
10. CHEM 153: Chemical Principles	_____
11. 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. <u>Nutrition either 100 or 200 levels for some programs if a 200 level can count for the major</u>	_____
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:

Cells & Molecules:

BIO 211: Genetics
BIO 219: Cell Biology
BIO 221: Microbiology
BIO 254: Developmental Biology

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

Organisms:

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**

Systems:

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