

General Biology Option

(pre-medicine, pre-dentistry, etc.)

Major

BI 111 (4) Principles of Biology _____
BI 112 (4) Principles of Biology _____
BI 300W (1) Biological Literature _____
BI 305 (4) Cell Biology _____
BI 306 (4) Genetics _____
BI 307 (4) Microbiology _____

Organismal Biology (Protistans, Fungi, Plants):

One course selected from the following:

BI 362 (4) Non-Vascular Plants _____
BI 363 (4) Vascular Plants _____
BI 429 (4) Marine Botany _____
BI 460 (3) Plant Physiology _____
BI 463 (3) Plant Taxonomy _____

Organismal Biology (Protistans, Animals):

Two courses selected from the following:

BI 310 (4) Comparative Vertebrate Morphology _____
BI 311 (4) Animal Physiology _____
BI 340 (4) Invertebrate Zoology _____
BI 341 (4) Natural History of the Vertebrates _____
BI 403 (4) Marine Invertebrate Zoology _____
BI 408 (4) Marine Vertebrate Zoology _____
BI 415 (4) Coastal Ornithology _____
BI 433 (4) Embryology _____
BI 451 (3) Ornithology _____
BI 452 (3) Entomology _____
BI 471 (4) Parasitology _____
BI 472 (4) Histology _____

Major (cont.)

Population Biology:

BI 312 (3) Evolution _____

One course selected from the following:

BI 411 (4) Marsh Ecology _____
BI 412 (4) Marine Ecology _____
BI 413 (4) Marine Behavioral Ecology _____
BI 421 (4) Ecology _____
BI 423 (4) Aquatic Ecology _____

BI electives:

One or two courses to bring total hours in biology to a minimum of 41.

Excellent electives: BI 409 (3) Immunology
BI 441 (3) Biochemistry

Minor

A minor or second major in some field of study is required. A minor or second major in chemistry, earth science, geography, geology, mathematics/computer science, physics, or psychology is recommended.

Required Supporting Courses

CH 111 (3), 111L (1) General Chemistry _____
CH 112 (3), 112L (1) General Chemistry _____
CS 110 (3) Introduction to Computers **or** _____
higher level computer science course _____
MA 112 (3) Pre-calculus Algebra **or** _____
MA 115 (4) Pre-calculus Algebra & Trigonometry _____
or MA 125 (4) Calculus I _____

Pre-health professions students must also complete :

CH 311, 311L Organic Chemistry I
CH 312, 312L Organic Chemistry II
PH 241 & 242 General Physics I and II or PH 251 & 252
Technical Physics I and II

Calculus is recommended !