

# Professional 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

## Chemistry Minor

CH 111 (3), 111L (1) General Chemistry \_\_\_\_\_  
CH 112 (3), 112L (1) General Chemistry \_\_\_\_\_  
CH 311 (4), 311L (1) Organic Chemistry I \_\_\_\_\_  
CH 312 (4), 312L (1) Organic Chemistry II \_\_\_\_\_

One elective selected from the following :

CH 321 (2), 321LW (2) Quantitative Analysis \_\_\_\_\_  
CH 322 (3), 322LW (2) Instrumental Analysis \_\_\_\_\_  
CH 341 (3), 341L (1) Applied Physical Chem. \_\_\_\_\_

## Required Supporting Courses

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 \_\_\_\_\_  
MA 121 (3) Calculus for Business and  
Life Sciences I or (MA 125) \_\_\_\_\_  
MA 122 (3) Calculus for Business and  
Life Sciences II or (MA 126) \_\_\_\_\_  
MA 345 (3) Applied Statistics \_\_\_\_\_  
PH 241 (4) General Physics I \_\_\_\_\_  
PH 242 (4) General Physics II \_\_\_\_\_  
**or**  
PH 251 (5) Technical Physics I \_\_\_\_\_  
PH 252 (5) Technical Physics II \_\_\_\_\_