

Biology Major Professional Biology Option

Major Core Requirements	
BI 111 (4) Principles of Biology	_____
BI 112 (4) Principles of Biology	_____
BI 200W (2) Biological Literature	_____
BI 306 (4) Genetics	_____
BI 307 (4) Microbiology	_____
BI 312 (3) Evolution	_____
BI 375 (4) Cell Biology	_____
BI 435 (3) Biostatistics	_____
BI 498 (1) Senior Assessment Seminar	_____
Biochemistry	
CH 311 (3), 311L (1) Organic Chemistry I	_____
BI 441 (3) Biochemistry	_____
Organismal Biology (Plants) elective	
One course selected from the following:	
BI 362 (4) Nonvascular Plants	_____
BI 363 (4) Vascular Plants	_____
BI 460 (3) Plant Physiology	_____
BI 463 (3) Plant Taxonomy	_____
Organismal Biology (Animals) elective	
One course selected from the following:	
BI 310 (4) Comparative Vertebrate Anatomy	_____
BI 311 (4) Animal Physiology	_____
BI 340 (4) Invertebrate Zoology	_____
BI 341 (4) Natural History of the Vertebrates	_____
BI 433 (4) Embryology	_____
BI 452 (4) Entomology	_____
BI 453 (4) Southeastern Fishes	_____
BI 471 (4) Parasitology	_____
Cellular & Molecular Biology Elective:	
One course selected from the following:	
BI 406 (4) Microbial Ecology & Evolution	_____
BI 409 (4) Immunology	_____
BI 415 (4) Molecular Biology	_____
BI 472 (4) Histology	_____

Ecology elective	
Select at least 4 hours from the following:	
BI 419 (2) Tropical Ecology & BI 420 (2) Field Exp.	_____
BI 421 (4) Ecology	_____
BI 423 (4) Aquatic Ecology	_____
Additional upper-level science elective	
Select at least 4 hours of coursework (not already used to satisfy any other major or minor requirements) from among 300-/400-level BI or CH courses	
Required Supporting Courses:	
CH 111 (3), 111L (1) General Chemistry I	_____
CH 112 (3), 112L (1) General Chemistry II	_____
CIS 125 (3) Business Software Applications or	_____
CS 135 (3) Computer Skills for Problem-Solving	_____
Select the following sequence or course:	
MA 121 (3) Calculus for Business & Life Sciences I	_____
& MA 122 (3) Calculus for Business & Life Sciences II	_____
MA 125 (4) Calculus I	_____
Select one of the following sequences:	
PH 241 (4) General Physics I & PH 242 (4) General Physics II	_____
PH 251 (5) Technical Physics I & PH 252 (5) Technical Physics II	_____