

Biology Major Cellular & Molecular 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 498 (1) Senior Assessment Seminar	_____
Molecular Biology & Biochemistry	
BI 415 (4) Molecular Biology	_____
BI 441 (3) Biochemistry	_____
Organismal Biology elective:	
One course selected from the following:	
BI 340 (4) Invertebrate Zoology	_____
BI 341 (4) Natural History of the Vertebrates	_____
BI 463 (3) Plant Taxonomy	_____
BI 471 (4) Parasitology	_____
Ecology elective	
One course selected from the following:	
BI 406 (4) Microbial Ecology & Evolution	_____
BI 421 (4) Ecology	_____
BI 423 (4) Aquatic Ecology	_____
Cellular & Molecular Biology electives:	
Select a minimum of 8 hours from the following:	
BI 311 (4) Animal Physiology	_____
BI 409 (4) Immunology	_____
BI 433 (4) Embryology	_____
BI 460 (3) Plant Physiology	_____
BI 472 (4) Histology	_____
BI 495(1-4) Research/Internship	_____
BI 499 (1-4) Special Topics in Biology	_____

Required Supporting Courses:	
CH 111 (3), 111L (1) General Chemistry I	_____
CH 112 (3), 112L (1) General Chemistry II	_____
CH 311 (4), 311L (1) Organic Chemistry I	_____
CIS 125 (3) Business Software Applications or	_____
CS 135 (3) Computer Skills for Problem-Solving	_____
MA 345 (3) Applied Statistics I or	_____
BI 333 (3) Biostatistics	_____
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	_____