

Marine Biology Major

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	_____
Organismal Biology (Plants)	
BI 429 (4) Marine Botany	_____
Organismal Biology (Animals)	
BI 403 (4) Marine Invertebrate Zoology (at DISL)	_____
BI 408 (4) Marine Vertebrate Zoology (at DISL)	_____
Population Biology	
BI 412 (4) Marine Ecology (at DISL)	_____

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 112 (3) College Algebra & MA 113 (3) College Trigonometry or	_____
MA 115 (4) Pre-calculus Algebra & Trigonometry	_____
Select the following sequence or course:	
MA 121 (3) Calculus for Business & Life Sciences I & MA 122 (3) Calculus for Business & Life Sciences II or	_____
MA 125 (4) Calculus I	_____
PH 241 (4) General Physics I	_____
PH 242 (4) General Physics II	_____
MA 345 (3) Applied Statistics I or BI 333 (3) Biostatistics	_____

****See back for more degree requirements****

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Choose **one** block of courses

Professional (16 hours)	
CH 311 (4), 311L (1) Organic Chemistry I	_____
BI 441 (3) Biochemistry	_____
Select two courses from the following:	
BI 308 (4) Marine Biology (at DISL)	_____
BI 310 (4) Comparative Vertebrate Morphology	_____
BI 311 (4) Animal Physiology	_____
BI 406 (4) Microbial Ecology & Evolution	_____
BI 411 (4) Coastal Wetland Ecology (at DISL)	_____
BI 413 (4) Marine Behavioral Ecology (at DISL)	_____
BI 415 (4) Molecular Biology	_____
BI 424 (4) Marine Conservation Biology (at DISL)	_____
BI 425 (4) Introduction to Oceanography (at DISL)	_____

OR

Environmental GIS (16 hours)	
GE 184 (3) Digital Earth	_____
GE 384 (4) Geographic Information Systems	_____
GE 487 (4) Geography Capstone Project	_____
Select one course from:	
GE 474 (3) Web GIS	_____
GE 484 (3) Advanced GIS	_____
GE 485 (3) GIS Applications	_____
Select one course from:	
BI 421 (4) Ecology	_____
GE 404 (3) Environmental Hazards	_____
SRM 345 (3) Natural Resource Management	_____
ES 348 (3) Earth Resources	_____

Oceanography (15 hours)	
Select one course from the following:	
ES 131 (4) Earth Science/Physical Geology or	_____
ES 133 (4) Earth Science/Earth Systems	_____
Three courses required through the DISL Spring Semester	
BI 343 (4) Marine Geology	_____
BI 405 (4) Advanced Marine Technical Methods	_____
BI 426 (3) Experimental Oceanography	_____

OR