Biology (B.A.) - Natural History Option

Administered by Biological and Allied Health Sciences Effective Spring 2017

The option provides a biology major the opportunity to specialize in natural history biology while obtaining a general background in biology.

Concepts in Biology I (BIOLOGY.114) and Concepts in Biology II (BIOLOGY.115) should be taken during the freshman year. Microbiology (BIOLOGY.242) should be taken during the sophomore year.

Applied Statistics for the Behavioral Sciences (PSYCH.160) may be substituted for Introduction to Statistics (MATH.141).

Biology Core Requirements (22-23 hours):

BIOLOGY.114 Concepts in Biology I BIOLOGY.115 Concepts in Biology II BIOLOGY.233 Human Genetics BIOLOGY.242 Microbiology BIOLOGY.351 Ecology BIOLOGY.430 Evolution or EGGS.365 Intro to Paleontology

Geological Science Requirement (8 hours):

EGGS.120 Physical Geology EGGS.130 Historical Geology

Mathematics Requirement (3 hours):

MATH.141 Introduction to Statistics

Anthropology Requirement (3 hours):

ANTHRO.220 Human Origins

Organismal and Field Course Requirement (12 Hours):

Select four courses among biology and marine science organismal and field courses from the lists below.

Biology and Other Science Electives (10 hours)

Select among biology, marine science, geology and chemistry courses from the lists below. No more than two classes may be taken at the 100 level.

- Research and Internship courses may be applied to the Organismal and Field Course requirement if the topic or placement is appropriate and is approved by your advisor. Otherwise, research and internship courses will count as a Biology and Other Science electives.
- Restrictions on Non-Classroom Courses: 1. A maximum of 3 credit hours of BIOLOGY.490 may be applied as major elective credit toward the degree. 2. A maximum of 6 credit hours from among BIOLOGY.390, 391, 490, 493 and 494 may be applied as major elective credit toward the degree.
- Introduction to Paleontology (EGGS 365) may be used as a major elective if Evolution (BIOLOGY.430) is used to satisfy the core requirement.
- Appropriate transfer courses may be counted as Organismal and Field Courses or as Biology and Other Science Electives upon approval of your advisor.

BIOLOGY.200 DendrologyMARSCI.221 Marine InvertebratesBIOLOGY.211 Invertebrate ZoologyMARSCI.241 Marine BiologyBIOLOGY.212 Vertebrate ZoologyMARSCI.260 Wetland EcologyBIOLOGY.213 Integrative Vertebrate ZoologyMARSCI.298 Physiology of Marine InvertebratesBIOLOGY.222 Comparative Biology of PlantsMARSCI.298 Physiology of Marine OrganismsBIOLOGY.253 Freshwater BiologyMARSCI.300 Behavior of Marine OrganismsBIOLOGY.253 Freshwater BiologyMARSCI.320 Marine MicrobiologyBIOLOGY.253 Freshwater BiologyMARSCI.342 Marine BotanyBIOLOGY.351 Comparative Vertebrate AnatomyMARSCI.343 Marine IchthyologyBIOLOGY.452 LimnologyMARSCI.345 Marine OrnithologyBIOLOGY.452 LimnologyMARSCI.341 Ecology of Marine PlanktonBIOLOGY.455 Environmental MicrobiologyMARSCI.431 Ecology of Marine PlanktonBIOLOGY.456 Invironmental MicrobiologyMARSCI.431 Ecology of Marine PlanktonBIOLOGY.457 EntomologyMARSCI.441 Biological OceanographyBIOLOGY.461 Animal BehaviorMARSCI.490 Marine AquacultureBIOLOGY.490 Internship in BiologyMARSCI.491 Coral Reef EcologyBIOLOGY.333 Molecular BiologyMARSCI.492 Marine MammalsBIOLOGY.334 Molecular Biology LabEGS 100 Intro. to Environ. ScienceBIOLOGY.334 Molecular BiologyEGS 100 Intro. to Environ. ScienceBIOLOGY.334 Molecular BiologyEGS 264 Map Use and AnalysisBIOLOGY.334 Molecular BiologyEGS 265 MeteorologyBIOLOGY.334 Molecular BiologyEGS 265 SciencerologyBIOLOGY.334 Molecular BiologyEGS 265 MeteorologyB	Organismal And Field Courses:	Marine Science Courses:
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	BIOLOGY.421 Ecosystems Management	EGGS 264 Applied Cartography
BIOLOGY.432 Microbial and Molecular Genetics EGGS 330 Special Topics in Fld. Geol.	BIOLOGY.431 Developmental Biology	EGGS.265 Geomorphology
	BIOLOGY.432 Microbial and Molecular Genetics	EGGS 330 Special Topics in Fld. Geol.

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BIOLOGY.460 Population Biology	CHEM.116 Chemistry for the Sciences II
BIOLOGY.470 Medical Parasitology	
BIOLOGY.472 Animal Cell Physiology	
BIOLOGY.473 Cancer Biology	
BIOLOGY.474 Human Physiology	
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