

Biology Department (Revised Spring '09)

Environmental Biology Requirements Name _____

12 courses are required altogether, plus a capstone.

Grade	Course
	BIO 1111 Principles of Biology I
	BIO 1117 Topics in Biology

Grade	Course
	CHE 1101 Introductory Chemistry I
	CHE 1102 Introductory Chemistry II
	CHE 2217 Organic Chemistry I

The courses above, plus seven courses chosen from groups I-IV below, plus a capstone.
Note the number of courses required for each group below.

GROUP I - Cell/Molecular Biology (at least one course)

Grade	Lab (*)	Course
		BIO 2203 Genetics (*if 2006 or after)
		BIO 3301 Immunology*
		BIO 3310 Cell Biology*
		BIO 3311 Advanced Genetics - Molecular
		BIO 2208 Molecular Biology*
		BIO 33-- Genomics*

GROUP IV - Population/Ecosystem Biology (at least 3 courses)

Grade	Lab (*)	Course
		BIO 2209 Environmental Health
		BIO 2234 Marine Biology*
		BIO 3317 Ecology* %
		BIO 22xx Coral Reef Biology
		BIO 2202 Evolution

GROUP II - Organismal Biology (at least one course)

Grade	Lab (*)	Course
		BIO 3309 Advanced Genetics - Human
		BIO 3316 Animal Physiology*
		BIO 3323 Developmental Biology
		BIO 2202 Comparative Anatomy*
		BIO 2206 Epidemiology
		BIO 2225 Endocrinology
		BIO 2221 Neurobiology

CAPSTONE (One of these)

Grade	Course
	BIO 4492 Senior Poster Presentation
	BIO 4493 Senior Capstone Course

**Alternate lab courses (none required)

Grade	Lab (*)	Course
		BIO 1172 Tropical Marine Biology
		BIO 2211 Human Physiology

GROUP III - Diversity (at least two courses)

Grade	Lab (*)	Course
		BIO 2205 Invertebrate Zoology*
		BIO 2204 Botany*
		BIO 22xx Field and Taxonomic Botany*
		BIO 22xx Microbiology*
		BIO 2218 Parasitology*
		BIO 2201 Vertebrate Diversity*

* denotes a lab course

** BIO 1172 and 2211 may be included as part of the five required labs but you still need seven courses from the groups.

% Either Ecology or Conservation Biology, but not both

GPA -- 2.00 IN THESE COURSES

Recommended courses: PSI 225, Economics courses, Statistics
Recommended 1-3 credit hours of internship