

2018-2019

B.A. or B.S. ENVIRONMENTAL BIOLOGY



GRACE CORE (39 credits; 2 APLs)

The Grace Core is designed around four essential relationships. Though all courses engage most relationships, courses are organized according to the relationship that is their primary focus.

Relationship to God		Relationship to Others		
BIB 1050	Exploring the Bible	3	COM 1100 Public Speaking	3
@ BIB 2010	Scripture and Interpretation	3	ENG 1100 Effective Writing	3
@ BIB 3300	Essential Doctrinal Themes	3	PSY 1200 Essentials in Behavioral Science	3
Relationship to Self		Relationship to the World and Environment		
FYE 1010	Freshman Foundations	3	HIS 1380 Contemporary America and the World	3
ECN 3000	Consumer Economics	3	HUM 2000 Global Perspectives	3
@ PHI 3010	Christianity and Critical Thinking	3	HUM 2010-30 Cross-Cultural Field Experience (2 APL)	0
			HUM 2100 Creative Arts and Culture	3
			SCI 2030 Faith, Science, and Reason	3

ADDITIONAL GENERAL EDUCATION--B.A. or B.S. DEGREE (6 credits)

Satisfies B.S. Degree		Satisfies B.A. Degree		
MAT 1000+	Any Math (1000 Level and Above)	3	FRE/SPA Proficiency in Language & Culture	6
	Any Science/Social Science with the following course prefix: PSY, BHS, SOC, ECN, HIS, POS, GEO, CSI	3	GRE/HEB French, Spanish, Greek, Hebrew	

THE MAJOR (49 credits; 12+ APLs)

Required Environmental Biology Courses		Elective Environmental Biology Courses		
BIO 1610	General Biology I	4	Choose 6 credit hours from the following:	
BIO 1620	General Biology I Lab (1 APL)	0	SCI 1160 Theories of Origins	3
MAT 1230	Calculus I	4	CHM 2300 Forensic Chemistry	3
MAT 1240	Calculus 1 Lab (1 APL)	0	@ MAT 3200 Probability and Statistics	3
PHY 2140	College Physics I	4	@ BIO 4110 Microbiology	4
PHY 2150	College Physics I Lab (1 APL)	0	BIO 4120 Microbiology Lab (1 APL)	0
PHY 2160	College Physics II	4	ENV 4810 Field Education (1 APL)	1
PHY 2170	College Physics II Lab (1 APL)	0	ENV 4820 Field Education (2 APL)	2
ENV 2110	General Ecology	4	ENV 4830 Field Education (3 APL)	3
ENV 2120	General Ecology Lab (2 APL)	0	ENV 3950 AuSable Institute courses	4
@ BIO 2410	Plant Biology	4		
@ BIO 2420	Plant Biology Lab (1 APL)	0	Required Chemistry Minor Courses	
@ BIO 2510	Animal Biology	4	CHM 1610 General Chemistry I	4
@ BIO 2520	Animal Biology Lab (1 APL)	0	CHM 1620 General Chemistry I Lab (1 APL)	0
@ ENV 3210	Aquatic Ecology	4	@ CHM 1710 General Chemistry II	4
@ ENV 3220	Aquatic Ecology Lab (2 APL)	0	@ CHM 1720 General Chemistry II Lab (1 APL)	0
@ ENV 3410	Environmental Ethics	3	@ CHM 2610 Organic Chemistry I	4
@ ENV 4010	Senior Seminar (1 APL)	3	@ CHM 2620 Organic Chemistry I Lab (1 APL)	0
@ BIO 4210	Genetics	3	@ CHM 2710 Organic Chemistry II	4
ENV 4820	Field Education (2 APL)	2	@ CHM 2720 Organic Chemistry II Lab (1 APL)	0
			@ CHM 3610 Environmental Analytical Chemistry	3

TOTAL CREDITS TO GRADUATE: 120 (12 APLs)

To receive a degree, each student must satisfy checksheet requirements, earn 120 credit hours, fulfill 12 credits of Applied Learning, have a 2.2 GPA in major courses, and a GPA of 2.0 overall. It is the student's responsibility to work with his/her advisor and monitor progress toward these goals. Some majors and/or minors may have more stringent guidelines.

It is strongly encouraged that a minimum of 6 Applied Learning credits be earned in experiential education taking place outside the traditional classroom setting.

IS A MINOR REQUIRED WITH THIS MAJOR? YES
Courses include a Chemistry Minor

*† Indicates a course taught by a partner college/university.
@ Indicates a course with prerequisites. Please review catalog for prerequisites.*