

BEREA COLLEGE
2009 - 2010 CURRICULUM GUIDE (revised 10/23/09)

B. A. – BIOLOGY

NOTE: This guide is subject to change and represents actions approved by Faculty to date. Please refer often to the *2009-2010 Online Catalog & Student Handbook (www.berea.edu/cataloghandbook)*, which will be updated with the most current information.

GENERAL EDUCATION PROGRAM

Core Courses	Term	Credit
MAT 010: Prealgebra ^a	_____	NC
MAT 011: Elementary Algebra I ^a	_____	NC
MAT 012: Elementary Algebra II ^a	_____	NC
GSTR 110: Writing Sem. I: Critical Thinking in the Liberal Arts	_____	1
GSTR 210: Writing Sem. II: Identity and Diversity in the United States	_____	1
GSTR 310: Understandings of Christianity	_____	1
GSTR 332: Scientific Knowledge & Inquiry	_____	1
GSTR 410: Sr. Sem. in Cont. Global Issues	_____	1

Lifetime Health & Fitness: PEH 100 & Phys. Activity

PEH 100: Introduction to Lifetime Wellness	_____	.50
<i>(if swimming proficiency test not passed, one of next two courses must be PED 200)</i>		
PED 2____: _____	_____	.25
PED 2____: _____	_____	.25

Practical Reasoning Across the Curriculum (PR & PRQ)

Two courses—at least one firmly grounded in math or statistics (PRQ); the other can be an approved practical reasoning (PR) course or another PRQ course.

_____:	_____	1
_____:	_____	1

Perspectives—Six Areas Required

Students will satisfy each of the six Perspective areas by taking or waiving a course, or through an approved experience. Individual courses may be approved to satisfy more than one Perspective, but no single course may satisfy more than two Perspective areas.

1. Arts _____
2. Social Science _____
3. Western History _____
4. Religion _____
5. Afr. Amer., Appal., Women's _____
6. International (two courses required): _____

Major requires two terms in same modern language

- A) Same Non-English Language _____
- Same Non-English Language _____
 (one course may be waived by placement exam)

Active Learning Experience (ALE)

An approved experience, taken for credit or as noncredit

Writing Competency Requirement (thru Spring 2009)

(NOTE: Required for students entering in/before Spring 2009—not required for those entering in/after Fall 2009)
Students may satisfy this requirement by passing the Writing Competency Examination administered in Fall and Spring, or by successfully completing GST 150: College Composition or ENG 104: Advanced ESL.

^aMay be waived on basis of test scores.

MAJOR COURSES

Core Courses	Term	Credit
BIO 110: Modern Biology	_____	1
BIO 113: Experimental Zoology	_____	1
BIO 114: Botany	_____	1

(For admission to the Major, a minimum combined GPA of 2.37 must be earned for the above three courses; this is not a graduation requirement)

BIO 330: Genetics	_____	1
BIO ____: Field Course ^c	_____	1

Capstone Course for ALL Concentrations

BIO 494: Evolution	_____	1
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Collateral Courses for ALL Concentrations (Required; count outside the major)

CHM 131: Accel. General Chemistry ^b OR		
CHM 134: Accel. Environmental Chemistry	_____	1
CHM 221: Organic Chemistry I	_____	1
CHM 222: Organic Chemistry II	_____	1
MAT 115: College Algebra w/Modeling (or waiver)	_____	_____

AND

Two terms of same modern foreign language (not Latin)

(See Perspective 6A in General Education.)

Biology Area Concentrations (Choose from A, B, or C)

NOTE FOR ALL CONCENTRATIONS: At least three of the four courses chosen below and on next page must be taken in Fall, Spring, or Summer terms.

A. Field & Organismal Biology (count inside the major)

Four approved course credits, chosen from:

BIO 220: Comparative Vertebrate Anatomy	_____	1
BIO 324: Parasitology ^d	_____	1
BIO 326: Invertebrate Zoology ^d	_____	1
BIO 327: Herpetology ^d	_____	1
BIO 332: Mammalogy	_____	1
BIO 342: Field Botany ^d	_____	1
BIO 344: Dendrology & Forest Ecology ^d	_____	1
BIO ____: F&O Short Term course ^c	_____	1
BIO 386/486: F&O Field Station/Spec. Topics ^c	_____	1

NOTE FOR ALL CONCENTRATIONS: At least three of the four courses chosen above and on the next page must be taken in Fall, Spring, or Summer terms.

^bStudents interested in the biomedical sciences, especially pre-med, pre-dental, and students pursuing the Molecular, Cellular, and Systems Biology Concentration, should take CHM 131. Students cannot receive earned credit for both CHM 131 and CHM 134.

^cSee *Catalog & Student Handbook* for courses that meet this requirement.

^dMeets core field course requirement.

NOTE: Courses that are used to meet the Core requirements cannot also be used to meet area concentration requirements.

(continued on next page)

