

BEREA COLLEGE
2011 – 2012 CURRICULUM GUIDE (revised 9/29/11)

B. A. with major in BIOLOGY

NOTE: This guide is subject to change and represents actions approved by Faculty to date. Please refer often to the 2010-2011 *Online Catalog & Student Handbook* (www.berea.edu/cataloghandbook), which will be updated with the most current information.

GENERAL EDUCATION PROGRAM

NOTE: No single college course transferred into Berea can meet more than one General Education requirement.

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 ^b	_____	_____
GSTR 210: Writing Sem. II: Identity and Diversity in the United States	_____	1
GSTR 310: Understandings of Christianity	_____	1
GSTR 410: Sr. Sem. in Cont. Global Issues	_____	1

Scientific Knowledge and Inquiry

GSTR 332: Scientific Knowledge & Inquiry	_____	_____
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OR

Two approved science courses, one of which must be an approved lab course. At this time, only the following courses have been approved to meet this alternative (all of which meet the lab course stipulation): ANR 110, 130, BIO 100, BIO 101, 110, CHM 113, 131, 134, PHY 111, 217, or 315

_____:	_____	_____
_____:	_____	_____

Lifetime Health & Fitness: PEH 100 & Phys. Activity

PEH 100: Introduction to Lifetime Wellness	_____	.50
<i>(if swimming proficiency test not passed, take 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 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 either in area 6A or area 6B):
 - A) Same Non-English Language _____
 - Same Non-English Language _____
 - (one course may be waived by placement exam)
 - OR**
 - B) World Culture (Non-western) _____
 - World Culture (Western/non-western) _____

Active Learning Experience (ALE)

An approved experience, taken for credit or as noncredit.

_____:	_____	_____
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^aMay be waived on basis of test scores.

^bTransfer students might waive GSTR 110 if they took College Composition as a degree-seeking student at another college AND earned a grade of B or higher.

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 or Other Approved Course ^d	_____	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 ^c 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):

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

Four approved course credits, chosen from:

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

NOTE FOR ALL CONCENTRATIONS: At least three of the four courses chosen above and on the next page must be full-credit Fall, Spring, or Summer term courses.

^cStudents 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.

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

^eMeets 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)

