

BEREA COLLEGE
2005 - 2006 CURRICULUM GUIDE (revised 4/17/07)
**B. A. in BIOLOGY WITH SECONDARY TEACHING CERTIFICATION
IN BIOLOGICAL SCIENCES, GRADES 8-12**

NEW GENERAL EDUCATION PROGRAM

(Continue to watch the Catalog (www.berea.edu/catalog) for a listing of courses that have been approved to satisfy General Education requirements under the new program.)

Core Courses	<u>Term</u>	<u>Credit</u>
MAT 010: Developmental Mathematics I ^a	_____	NC
MAT 011-012: Developmental Mathematics II ^a	_____	NC
GSTR 110: Writing Sem. I: Critical Thinking in the Liberal Arts (or <u>GSTR 100</u>)	_____	1
GSTR 210: Writing Sem. II: Identity and Diversity in the United States (or <u>GSTR 203</u>)	_____	1
GSTR 310: Und. of Christianity (<u>GSTR 220</u> or <u>221</u>)	_____	1
GSTR 332: Scien. Knowl. & Inquiry (<u>GSTR 232</u>)	_____	1
GSTR 410: Sr. Sem. in Cont. Global Issues	_____	1

Lifetime Health & Fitness: PEH 100 & Phys. Activity

PEH 100: Introduction to Lifetime Wellness	_____	.50
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 either in area 6A or area 6B): _____

NOTE: Major requires two terms of the same modern foreign language

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

Active Learning Experience (approved experience; for credit or noncredit)

_____ : _____

Writing Competency Exam or GST 150

Students who pass and/or transfer in both GSTR 100 and GSTR 203 before Fall 2006 are considered to have met this requirement. Students entering in/after Fall 2006 will have a writing competency test administered during GSTR 110 and GSTR 210. Students not at competency level by end of their first year **must** enroll in and successfully complete GST 150: College Composition by the **end of their fourth term**, or be automatically suspended from College.

_____ : _____

^aMay be waived on basis of test scores.

MAJOR COURSES

Core Courses	<u>Term</u>	<u>Credit</u>
BIO 110: Modern Biology	_____	1
BIO 113/313: Experimental Zoology	_____	1
BIO 114/314: Botany	_____	1
(Minimum combined GPA of 2.37 for above three courses)		
BIO 330: Genetics	_____	1
BIO 3xx/4xx: Field Course ^b	_____	1
BIO 494: Evolution (capstone)	_____	1

Collateral Courses (required, but count outside the major)

CHM 121: General Chemistry OR		
CHM 124: Environmental Chemistry	_____	1
CHM 221/321: Organic Chemistry I	_____	1
CHM 222/322: Organic Chemistry II	_____	1
MAT 115 OR 110 OR 112 ^d :	_____	1

AND

Two terms of a Modern Foreign Language (see Perspective 6A in New General Education)

Four General Concentration courses

Choose one course from each concentration:

Group 1: MOLECULAR, CELLULAR, & SYSTEMS

BIO 222/322: Microbiology	_____	1
BIO 441: Cell & Molecular Biology	_____	1
BIO ____: MC&S Short Term course ^b	_____	1
BIO 386/486: MC&S Special Topics ^b	_____	1

Group 2: TISSUES & SYSTEMS

BIO 323: Human Physiology	_____	1
BIO 331: Developmental Biology	_____	1
BIO ____: T&S Short Term course ^b	_____	1
BIO 386/486: T&S Special Topics ^b	_____	1

Group 3: FIELD & ORGANISMAL

BIO 220/320: Comparative Vertebrate Anatomy	_____	1
BIO 324: Parasitology ^c	_____	1
BIO 326: Invertebrate Zoology ^c	_____	1
BIO 332: Mammalogy	_____	1
BIO 342/442: Field Botany ^c	_____	1
BIO 344/444: Dendrology & Forest Ecology	_____	1
BIO ____: F&O Short Term course ^b	_____	1
BIO 386/486: F&O Field Sta./Spec. Topics ^b	_____	1

Group 4: One additional Fall or Spring Term course, approved Summer or Short Term course; one of the courses noted on previous page; or another course, as approved:

BIO ____:	_____	1
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NOTE: Courses that are used to meet the core requirements cannot also be used to meet area concentration requirements.

^bSee *Catalog* for courses that may meet this requirement.

^cMeets core field course requirement.

(continued on next page)

