BEREA COLLEGE
2005 - 2006 CURRICULUM GUIDE (revised 4/17/07)

3-2 ENGINEERING DUAL DEGREE PROGRAM

NOTE: After completing all degree requirements at both institutions (three to four years at Berea and two years at either Washington University or the University of Kentucky), students may earn a B.A. from Berea and a B.S. from the other school chosen. See *College Catalog* description for additional information.*

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	Term	Credit
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 GSTR 100)	_____	1
GSTR 210: Writing Sem. II: Identity and Diversity in the United States (or GSTR 203)	_____	1
GSTR 310: Und. of Christianity (GSTR 220 or 221)	_____	1
GSTR 332: Scien. Knowl. & Inquiry (GSTR 232)	_____	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):		
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 _____	_____	_____

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.*

_____ ____: _____	_____	_____

MAJOR COURSES

Core Courses	Term	Credit
PHY 217: General Physics I[c]	_____	1
PHY 218: General Physics II[c]	_____	1
PHY 315: Inter. Mechanics & Heat	_____	1
PHY 316: Inter. Electric. & Optics	_____	1
MAT 135/220: Calculus I	_____	1
MAT 225: Calculus II	_____	1
MAT 330: Calculus III	_____	1
MAT 437: Differential Equations	_____	1
CHM 121: Structure	_____	1
CHM 341: Quantitative Analysis[d]	_____	1
CSC 226/306: Intro. to Programming in C++	_____	1

SHORT TERMS

Dept. & No.	Title	Term	Credit
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

ELECTIVES (counted in 21 credits outside the major, if course is not in major rubric)

Dept. & No.	Title	Term	Credit
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

***NOTES: Students interested in this major should consider declaring the Applied Science and Mathematics Major, first offered in the 2006-2007 academic year.**

Students should consult with the 3-2 engineering adviser on a regular basis.

[a] May be waived on basis of test scores.
[b] Students planning to go to the University of Kentucky are strongly encouraged to choose the language option.
[c] May be waived for students with prior physics and strong calculus backgrounds.
[d] This course may be optional for Computer Science students, but higher levels of chemistry may be required by other engineering programs, such as Chemical Engineering.