

BEREA COLLEGE
2009 – 2010 CURRICULUM GUIDE (revised 10/29/09)
B.S. in TECHNOLOGY AND INDUSTRIAL ARTS WITH
TECHNOLOGY EDUCATION CERTIFICATION, GRADES 5-12

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

	<u>Term</u>	<u>Credit</u>
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 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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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.

_____	_____	_____
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^a May be waived on basis of test scores.

Exploring the Major and Course Sequencing

Considerations: It is highly preferred that students considering this major take TEC 110 and 111 in the first and/or sophomore years. Also see Teacher Education Program in *Catalog & Student Handbook*.

MAJOR COURSES

Core Courses

	<u>Term</u>	<u>Credit</u>
TEC 110: Technology I	_____	1
TEC 111: Technology II	_____	1
TEC 118: History of Technology	_____	1
TEC 130: Engineering Graphics	_____	1
TEC 140: Prod. Tech. in Woods	_____	1
TEC 180: Graphic Communications	_____	1
TEC 213: Appalachian Crafts	_____	1
TEC 218: Meth. of Teaching Tech. Educ.	_____	1
TEC 250: Prod. Tech. in Metals	_____	1
TEC 265: Electrical Fundamentals	_____	1
TEC 275: Power Technology	_____	1
TEC 392: Work Learning Experience	_____	NC
TEC 392: Work Learning Experience	_____	NC

Capstone Course

TEC 489: Seminar in Technology	_____	1
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Distribution Courses (Required; count inside the major)

Two course credits chosen from the following: TEC 330, 340, 352, 382, 455, 460, 470, or Short Term courses approved by the Department

TEC _____	_____	1
TEC _____	_____	1

Collateral Courses (Required, but count in 21 credits outside the major)

One course chosen from the following:

MAT 105 or 115 (or waiver)	_____	_____
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AND

One course credit chosen from the following:

CSC 125, ART 110, BUS 240, 315, 363, 364, CHM 101, CHM 131 or 134, ECO 101 or 102, **OR** PHY 217

_____	_____	1
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Education Studies Courses (EDS count outside major, TEC count inside the major)

EDS 150: Introduction to Education	_____	1
EDS 228: Teaching as Research	_____	1
EDS 349: Education and Culture	_____	1
EDS 355: Extended Exp. In Alt. Settings	_____	1
OR approved alternative experience	_____	1

Professional Terms (count outside the major)

EDS 479: Learning & Assessment in Secondary Classrooms	_____	1 ^b
EDS 480: Students with Spec. Needs	_____	1 ^b
EDS 481: Sec. Student Teaching Seminar	_____	1 ^c
EDS 482: Secondary Student Teaching (P-12, 5-12, 8-12)	_____	3 ^c

^b Offered Spring Term only; must be taken in eighth term.

EDS 479 and 480 will have a 3-4 hour block daily practicum associated with them, time TBA.

^c Offered Fall Term only; must be taken in ninth term.

NOTE: In addition to completing specified course requirements and Teacher Education Program requirements, each student must satisfy departmental standards for written and oral communication.

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