

BEREA COLLEGE
2011 – 2012 CURRICULUM GUIDE (revised 8/24/11)
B.S. in TECHNOLOGY AND INDUSTRIAL ARTS:
INDUSTRIAL TECHNOLOGY MANAGEMENT

NOTE: This guide is subject to change and represents actions approved by Faculty to date. Please refer often to the 2011-2012 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	<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 ^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

	<u>Term</u>	<u>Credit</u>
TEC 110: Technology I	_____	1
TEC 111: Technology II	_____	1
TEC 130: Engineering Graphics	_____	1
TEC 140: Prod. Tech. in Woods	_____	1
TEC 180: Graphic Communications	_____	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 (Spring Term only)	_____	1
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Distribution Courses (Required; count inside the major)

One (1) advanced course chosen from the following:

TEC 330, 340, 352, 382, 455, 460, 470, or other courses approved by the Department

TEC _____	_____	1
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Two (2) courses chosen from the following: ART 110, 123, 125, CHM 101, CHM 131 or 134, CSC 125, PHY 217, or other TEC courses

_____	_____	1
_____	_____	1

Collateral Courses (Required; count outside the major)

One course chosen from the following:

MAT 105 or 115 (or waiver)	_____	1
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AND

Three (3) courses chosen from the following: BUS* 120, 240, 315, 345, 363, 364, ECO 101 **or** 102, and 250

_____	_____	1
_____	_____	1
_____	_____	1

ELECTIVES (count in 20 credits outside the major, unless in TEC rubric)

<u>Dept. & No.</u>	<u>Title</u>	<u>Term</u>	<u>Credit</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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.

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

*Core ~~ce~~ courses for the Business Administration Minor are BUS 120, 315, and ECO 101 or 102. Two additional courses, ~~including any BUS course at the 200-300-400 levels,~~ would complete the minor. See *Catalog* for complete Minor Requirements.