



COTTEY COLLEGE

New Program Proposal – Cottey College

1.

NEW PROGRAM PROPOSAL FORM

Sponsoring Institution(s): Cottey College

Program Title: Environmental Studies

Degree/Certificate: Bachelor of Arts

Options: Click here to enter text.

Delivery Site(s): Residence Site

CIP Classification: 03.0103

*CIP code can be cross-referenced with programs offered in your region on MDHE's program inventory highered.mo.gov/ProgramInventory/search.jsp

Implementation Date: Fall 2011

Cooperative Partners: Click here to enter text.

*If this is a collaborative program, form CL must be included with this proposal

AUTHORIZATION:

Chioma Ugochukwu, VPAA

January 29, 2016

Name/Title of Institutional Officer

Signature

Date

Nancy Kerbs, Director of Assessment and Institutional Research 417-667-8181, ext. 2171

Person to Contact for More Information

Telephone

2. Rationale for Program

Cottey College is in the midst of a transformation from an associate's institution to a baccalaureate institution. Founded by Virginia Alice Cottey in 1884, and owned since 1927 by the P.E.O. Sisterhood, a philanthropic educational organization, Cottey is the only nonsectarian college in the United States owned by women for women. Cottey's faculty members are highly qualified, with 91 percent holding either the doctoral degree or the terminal degree in their fields. Cultural diversity is an important dynamic at Cottey, and students learn to appreciate differences and form friendships with women from across the United States and around the world.

Cottey's transformation is guided by its mission to educate women in a dynamic liberal arts environment. The mission emphasizes that Cottey educates women to be socially

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responsible leaders who can function in their chosen fields in any part of the world, and this is the inspiration for the concept of interdisciplinary and inter-related programs that share courses, activities, and faculty, as well as a unique focus on women’s leadership and social responsibility.

The baccalaureate degree in Environmental Studies incorporates the threads of women’s leadership, social responsibility, and global awareness. It is an interdisciplinary degree that includes faculty in liberal arts/history and science. The program is designed to cover broad topics in Environmental Studies while encouraging specializations that prepare students for graduate school or the professional world. The Environmental Studies Department prepares students for environmental leadership careers in civic or federal services, environmental consulting, entrepreneurial industries, or emerging “green” industries and services, as well as for postgraduate studies of environmental assessment and management, environmental law, fish and wildlife, and international relations and business.

3.

STUDENT ENROLLMENT PROJECTIONS

Year	1 2013-14	2 2014-15	3 2015-16	4 2016-17	5 2017-18
Full Time	6	4	9	12	14
Part Time	0	0	0	0	0
Total	6	4	9	12	14

Please provide a rationale regarding how student enrollment projections were calculated:

Cottey received approval in 2011 from the Higher Learning Commission through the change application process to offer BA degrees in English, Environmental Studies and International Relations and Business. The enrollment projections in the above table are calculated from the actual numbers of students in the program for the current and last 2 academic years, as well as the projection for the next two academic years. Our goal going forward is to grow by 2-3 students per year.

4. Provide a rationale for proposing this program, including evidence of market demand and societal need supported by research:

The rationale for an Environmental Studies program at Cottey and the likelihood that enrollment growth can support it was assessed by doing a web-based competitor-type



analysis to identify other schools that might recruit from the same demographic as Cottey. Support for the likelihood of ES program success was inferred by determining that schools drawing students similar to Cottey have such programs, and that some of those schools are exceptionally good, but that none of them has the same set of primary characteristics as Cottey – women-only, very small private, rural. According to the U.S. Department of Education, and Labor statistics on employment trends, employment of environmental scientists and specialists is projected to grow 11 percent from 2014 to 2024, faster than the average for all occupations. Heightened public interest in the hazards facing the environment, as well as the increasing demands placed on the environment by population growth, is expected to spur demand for environmental specialists.

5. Program duplication and opportunities for Collaboration (Form CL) – N/A

6. PROGRAM STRUCTURE

A. Total credits required for graduation: 120

B. Residency requirements, if any: 45

C. General education: Total credits: 51-53

Courses (specific courses OR distribution area and credits):

<u>Course Number</u>	<u>Course Title</u>	<u>Credits</u>
ENG 101	College Writing 1	3
ENG 102	College Writing 2	3
Writing Intensive	May be taken in the major	6
MAT 103	College Algebra or higher	3
MAT	Statistics or higher – may substitute PHI 112 (logic) if MAT 1 grade B or above	3
Science and Math Div.	Lecture and Lab Required	3-4
Second Science	With or without lab	3
Fine Arts Division	Theory course	3
Humanities Division		3
Foreign Language	Two courses same language	6-8
Social Science Div.		3
Dance/PE Activity		2
Technology Intensive	May be taken as part of another requirement	3
Women's Studies	May be taken as part of another requirement	3
Interdisciplinary		6



D. Major requirements: Total credits: 48-50

Course Number	Course Title	Credit
Lower Division Req.:		
BIO 101/101L or	Introductory Biology & Lab or	4
BIO 107/107L	Principles of Biology & Lab 4	4
CHE 130/131	Intro to Environmental Chemistry & Lab	4
ENV 125	World Regional Geography: Globalization/Diversity	3
ENV 270	Introduction to GIS & Geospatial Technology	3
MAT 112	Statistics	3
Lower Division Electives: <i>Select two courses from the following:</i>		
BIO 105/105L	General Botany and Lab	4
BIO 120	Environmental Science	3
BIO 204/204L	Genetics and Lab	4
BIO 207/207L	General Zoology and Lab 4	4
Major Core Requirements:		
ENV 315	Ecosystems, Function/Mgmt	3
ENV 335	Earth Science	3
ENV/IDS 350	Env. Conditions & Global Env. Economic Development	3
Upper Division Electives: <i>Select three from the following list of courses:</i>		
BIO 301/301L	Molecular Biology and Lab	4
CHE 320/321	Organic Chemistry 1 with lab	5
CHE 322/323	Organic Chemistry 2 with lab	5
CHE 330	Environmental Chemistry and Social Justice	3
ENV 310	Mastering Geographic Info Syst 3	3
ENV/HIS 320	American Environmental History 3 *	3
ENV/IDS 331	Sustainable Tourism 3 *	3
ENV 360	Environmental Planning/ Env Impact Assessment	3
ENV/ANT 391	Food & Culture 3	3
IDS 365	International Environmental Policy 3 *	3
Capstone Research Project:		
ENV 485	Capstone Research/Outreach Project 1	3
ENV 490	Capstone Research/Outreach Project 1	3

E. Free elective credits: 17-21 (Sum of C, D, and E should equal A.)

F. Requirements for thesis, internship or other capstone experience:

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Study Abroad Requirement: None
Internship Requirement: None

G. Any unique features such as interdepartmental cooperation: _____

8. PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Institution Name Cottey College
Program Name Environmental Studies
Date January 29, 2016

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

1. Student Preparation

Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.

No special preparation required

Characteristics of a specific population to be served, if applicable.

Women

2. Faculty Characteristics

Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.

Ph.D in Environmental Science or Geography

Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.

100%

Expectations for professional activities, special student contact, teaching/learning innovation. Faculty members are expected to stay current in their discipline and in teaching pedagogy by attending and presenting at conferences, write articles for publication, carry a load of 6-10 advisees in Cottey's faculty-based advising system.

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3. Enrollment Projections

Student FTE majoring in program by the end of five years.

Going forward from 2015-16: 18 at three years; 20 at five years

Percent of full time and part time enrollment by the end of five years.

Full time enrollment: 95%; Part time enrollment: 5%

4. Student and Program Outcomes

Number of graduates per annum at three and five years after implementation.

Going forward from 2015-16: 8 at three years; 10 at five years

Skills specific to the program.

Not applicable

Proportion of students who will achieve licensing, certification, or registration.

Not applicable

Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.

Not applicable

Placement rates in related fields, in other fields, unemployed.

Placement in related fields – 50%, in other fields – 30%

Transfer rates, continuous study.

Pursuing Master's Degree the first year after graduation – 20%

5. Program Accreditation

Institutional plans for accreditation, if applicable, including accrediting agency and timeline. **If there are no plans to seek specialized accreditation, please provide a rationale.**

Not applicable

6. Alumni and Employer Survey

Expected satisfaction rates for alumni, *including timing and method of surveys.*

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Electronic alumnae survey of the first five years of graduates in summer 2018. Satisfaction rates of 75% satisfied or very satisfied.

Expected satisfaction rates for employers, including timing and method of surveys. Cottey's students are from across the country and around the world. While the College makes considerable efforts to stay in contact with our alumnae, determining employer satisfaction rates is new for the College. We plan to develop an electronic survey for employers.

9. Plans for Accreditation

Cottey's baccalaureate degree in Environmental Studies has been approved by the HCL. Initially, Cottey was approved in 2011 to offer three baccalaureate degrees (English, Environmental Studies, and International Relations and Business.) Since that time Cottey has received approval from HLC to offer baccalaureate degrees of its choice. In 2015-16, the College offers degrees in English, Environmental Studies, International Business, International Relations, Business Management, Psychology, Liberal Arts, and General Health Sciences.

10. Institutional Characteristics

Characteristics demonstrating why your institution is particularly well-equipped to support the program.

As a women's college, Cottey's mission is to help women develop their potential as learners, leaders, and citizens. The international business degree extends basic knowledge of accounting, marketing, management, and finance through classes in global business, multinational finance, and international management. With a commitment to women's leadership, social responsibility, and global awareness, Cottey's international business major considers such issues as the status of women in developing countries, poverty and inequalities, and sustainable tourism. Internal forces include a strong financial picture, an infrastructure with room to expand and add new programs without a large capital investment in new buildings, a highly qualified faculty, and students who are satisfied with the quality of education they receive at Cottey. Both the Campus Master Plan, completed in 2007 by Gould Evans, an architectural and planning firm, and the feasibility study conducted in 2008 by Ketchum, a fund-raising firm, affirm that Cottey has the physical and financial resources to support growth. In addition, the College exceeded the goal of a \$35 million comprehensive fund raising campaign in 2014. The total raised was \$40.4 million. The campaign priorities included a new fine arts building with instructional space available to other academic departments, as well as endowed funds for student scholarships, faculty chairs, and the library.