

## FORMAT FOR CURRICULUM CHANGE PROPOSAL

To: Teachers Ed Council and Curriculum Committee  
 From: Biological Sciences

Date Submitted: Oct. 7, 2007

Type of Curriculum Change Requested: Life Science/Earth Science Secondary Education  
 (LSED) Program Modification

Submitted By: Jacqueline K. Bowman

Approved By:

Department Head:

*Charlie Dyer*

Dean of School:

*McMahon 10-12-07*

Reviewed By:

Registrar:

*Jammy Edwards*

Vice-President for Academic Affairs

I. Program or curriculum change as it will appear in the catalog.

This change will restrict a math elective requirement from higher than MATH 1113 to Math 2163. See attached matrix change sheet for the revision.

II. Course Information

A. Rationale for the requested change.

New content requirements for NCATE accreditation in biological sciences include a course in statistics. We currently allow LSED students to take a mathematics elective above MATH 1113, but strongly recommend they take a statistics course, like MATH 2163. The new content requirements would be readily met by requiring MATH 2163 or an equivalent statistics course.

B. What impact will the change have on staffing, on other programs, budget, and space allocation?

1. No change in staffing, budget, or space allocation

2. This change should not affect the Mathematics Department, because the LSED program is extremely small with 2-6 graduates per year and most of them already take MATH 2163.

C. Fall 2008

D. \*\*When applicable, state with which departments you have specifically coordinated this change? (If unable to identify coordinating departments that change affects, Academic Affairs can offer assistance in identifying course use.)

*app TEC 11/1/07*  
*app CC 11/19/07*  
*app FS 12/3/07*

List Department Head/  
Program Director Consulted:  
(Add to list as needed)

Indicate Support  
for Proposal  
(yes/no)

Date:

1.	Tom Limperis	Yes	10/11/07
2.			
3.			
4.			
5.			

If no, please attach explanation from responding Department Head indicating why they do not support the proposal.

### III. Integration with Assessment Plan

This change is consistent with the first goal of the LSED program, that students graduating from our program have an excellent understanding of the content and nature of science and understand the relationship between both the scientific disciplines and society as a whole, as this will improve their understanding of the mathematics involved in biological sciences. This should improve their scores on the Praxis II assessment.

Note: A syllabus should accompany each course proposal. The syllabus should contain the objectives of the course, a summary of course content, and bibliography of resources.

**\*Each new program proposal must include an assessment plan using the approved University Assessment Form.**

\*Updated 8/1/04

\*\*Updated 9/1/05

Outline in specific detail how your proposal will alter the program (include course number and title):

Will not affect program sequence

Fall Start	
Freshman Fall Semester Add/Change: None  Delete:  Total Hours:	Freshman Spring Semester Add/Change:  Delete:  Total Hours:
Sophomore Fall Semester Add/Change: Math Elective > 1113 to MATH 2163 <i>from</i> Delete:  Total Hours: 17	Sophomore Spring Semester Add/Change:  Delete:  Total Hours:
Junior Fall Semester Add/Change:  Delete:  Total Hours:	Junior Spring Semester Add/Change:  Delete:  Total Hours:
Senior Fall Semester Add/Change:  Delete:  Total Hours:	Senior Spring Semester Add/Change:  Delete:  Total Hours:
Spring Start (If applicable)	
Freshman Spring Semester Add/Change:  Delete:  Total Hours:	Freshman Fall Semester Add/Change:  Delete:  Total Hours:
Sophomore Spring Semester Add/Change:  Delete:  Total Hours:	Sophomore Fall Semester Add/Change:  Delete:  Total Hours:
Junior Spring Semester Add/Change:  Delete:  Total Hours:	Junior Fall Semester Add/Change:  Delete:  Total Hours:
Senior Spring Semester Add/Change:  Delete:  Total Hours:	Senior Fall Semester Add/Change:  Delete:  Total Hours:
Total Program Hours 128-129 (Unchanged)	