



Proposal to the Senate Educational Policy Committee

PROPOSAL TITLE: Change the name of the Major in *Bioenergy* to *Bioprocessing and Bioenergy*, for the Master of Science degree in the Department of Agricultural and Biological Engineering, College of Agricultural, Consumer, and Environmental Sciences.

SPONSOR: Vijay Singh, Professor, Department of Agricultural and Biological Engineering, Director of Integrated Bioprocessing Research Laboratory (IBRL), Ph: (217) 333-9510 E-mail: vsingh@illinois.edu

COLLEGE CONTACT: Mary Lowry, Assistant Dean, College of ACES, Ph: (217) 333-3380 E-mail: lowry@illinois.edu

BRIEF DESCRIPTION: Name change from Master of Science in Bioenergy to Master of Science in Bioprocessing and Bioenergy. The graduate degree program includes a required Concentration in Professional Science Master's (PSM). The curriculum for the Master of Science and the PSM Concentration will remain unchanged.

JUSTIFICATION: We would like to change the name of the Bioenergy program to Bioprocessing and Bioenergy to better reflect the scope and content of the curriculum that the students are studying within this program. Bioenergy is a relatively narrow field and can be regarded as a subset of Bioprocessing. Lately, industrial activity in bioenergy is slowing down, however, industrial bioprocessing is growing at a fast pace. The PSM curriculum already includes Bioprocessing; for example courses such as ABE 488 – Bioprocessing of Biomass for Fuel, TSM 486 – Grain Bioprocessing Coproducts and CHBE 478 – Bioenergy Technology extensively cover bioprocessing principles. This name change will capture all the knowledge and skills that students are already obtaining under the current Bioenergy program. This name change is also expected to attract more students to apply, leading to higher enrollment and improvement in quality of students applying for this PSM program.

BUDGETARY AND STAFF IMPLICATIONS: There should not be any implications to budget or staff. *(Please respond to each of the following questions.)*

- 1) Resources
 - a. How does the unit intend to financially support this proposal? – The only costs will be related to updating advertising materials and signage and funds to cover such costs are available because this PSM program is completely funded by the tuition received.
 - b. How will the unit create capacity or surplus to appropriately resource this program? If applicable, what functions or programs will the unit no longer

support to create capacity? - This program has already been offered for several years and all the necessary capacity in terms of classroom space, instruction and advising already exists.

- c. Will the unit need to seek campus or other external resources? If so, please provide a summary of the sources and an indication of the approved support. – No resources will be requested.
- d. Please provide a letter of acknowledgment from the college that outlines the financial arrangements for the proposed program. – No new arrangements with college were requested as a result of this program change.

2) Resource Implications

- a. Please address the impact on faculty resources including the changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. – No effect. An anticipated increase in enrollment can be accommodated with currently available faculty resources in ABE.
- b. Please address the impact on course enrollment in other units and provide an explanation of discussions with representatives of those units. (*A letter of acknowledgment from units impacted should be included.*) – No other unit will be affected. The program has already been offered for several years. See letter of support from Director of PSM program (Natalie Bosecker).
- c. Please address the impact on the University Library (*A letter of estimated impact from the University Librarian must be included for all new program proposals. If the impact is above and beyond normal library business practices, describe provisions for how this will be resourced.*) – No effect.
- d. Please address the impact on technology and space (e.g. computer use, laboratory use, equipment, etc.) – No effect.

DESIRED EFFECTIVE DATE: Would prefer as soon as possible, because this year enrollment in bioenergy has dropped to only 2 students compared to last year's enrollment of 9 students. However, we would expect this change to be in place by Spring 2017.

STATEMENT FOR PROGRAMS OF STUDY CATALOG:

Refer to Appendix: Changes to Programs of Study Catalog

Appendix: Changes to Programs of Study Catalog (shown in red text)

<http://catalog.illinois.edu/graduate/graduate-majors/bioenergy/>

Bioprocessing and Bioenergy

- [Overview](#)
- [Masters](#)

<http://bioenergy.illinois.edu>

Director of Graduate Studies: **Vijay Singh**

Room 360G Agricultural Engineering Sciences Building

1304 W. Pennsylvania Avenue

Urbana, IL 61801

(217) 333-9510

E-mail: vsingh@illinois.edu

Major: **Bioprocessing and Bioenergy**

Degrees Offered: M.S.

Graduate Concentration: [Professional Science Master's](#) (M.S. only)

Graduate Degree Programs

The **Department of Agricultural and Biological Engineering** in the College of ACES offers a Master of Science with a Major in **Bioprocessing and Bioenergy** and a Concentration in Professional Science Master's. In addition to receiving training in the general field of **bioprocessing and bioenergy**, students gain relevant professional experience in business and related topics through coursework and an internship. This program is designed for those who seek careers in a science-based setting with significant managerial and leadership responsibilities.

Admission

In addition to meeting the Graduate College admission requirements, applicants should have a ...

No further changes are requested.

CLEARANCES: (Clearances should include signatures and dates of approval. These signatures must appear on a separate sheet. If multiple departments or colleges are sponsoring the proposal, please add the appropriate signature lines below.)

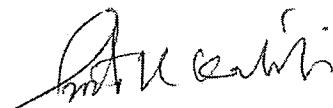
Signatures:



Aug 26, 2016

Unit Representative:

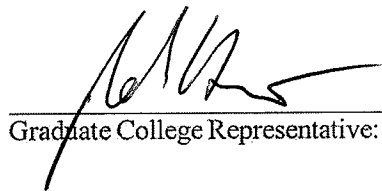
Date:



9/13/2016

College Representative:

Date:



Graduate College Representative:

10/24/16

Date:

Council on Teacher Education Representative:

Date:

UNIVERSITY OF ILLINOIS
AT URBANA - CHAMPAIGN

College of Agricultural, Consumer
and Environmental Sciences

Academic Programs
128 Mumford Hall, MC-710
1301 West Gregory Drive
Urbana, IL 61801



September 9, 2016

Allison McKinney, Director
Academic Programs, Policy and Academic Services
Graduate College
204 Coble Hall
Campus MC-322

Dear Allison:

I am writing to request Graduate College review for a proposed change that would involve renaming the PSM degree program in *Bioenergy*, which is offered through our Department of Agricultural and Biological Engineering. The proposal, which would change the curriculum's name from *Bioenergy* to *Bioprocessing and Bioenergy*, has been reviewed and approved by the College of ACES Courses and Curricula Committee. A copy of the proposal is attached in Senate format, along with an appendix showing how the name change would appear in the academic catalog.

Thank you for your consideration. I look forward to receiving your reply.

Sincerely,

A handwritten signature in black ink, appearing to read 'Prasanta K. Kalita'.

Prasanta K. Kalita
Associate Dean
ACES Academic Programs

PKK/rhc

cc: K. Bhalerao M. K. Lowry
A. M. Boone K. C. Ting
M. L. Harmon ABE C&C Binder
S.-Y. Lee

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

EP.17.30

Office of the Provost and Vice Chancellor
for Academic Affairs

Swanlund Administration Building
601 East John Street
Champaign, IL 61820



October 26, 2016

Bettina Francis, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Francis:

Enclosed is a copy of a proposal from the College of Agricultural, Consumer and Environmental Sciences to rename the major in Bioenergy for the Master of Science degree.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Kathryn A. Martensen'.

Kathryn A. Martensen
Assistant Provost

Enclosures

c: A. McKinney
M. Lowry

From: [McKinney, Allison Ann](#)
To: [Martensen, Kathy](#)
Cc: [Lowry, Mary K](#)
Subject: Grad Proposal - Bioenergy
Date: Tuesday, October 25, 2016 3:02:25 PM
Attachments: [Bioenergy Revision - FA16.pdf](#)

Dear Kathy,

Please see attached for a proposal from the College of Agricultural, Consumer and Environmental Sciences which seeks to “Change the name of the Major in Bioenergy to Bioprocessing and Bioenergy for the Master of Science degree”. The Graduate College received the proposal on September 13, 2016. It was reviewed and approved without revision by the Graduate College Executive Committee on October 18, 2016.

We now forward the proposal for your review.

Sincerely,

Allison McKinney
Director
Academic Programs, Policy and Academic Services
Graduate College