

FORM G
BOARD OF REGENTS, STATE OF IOWA
PROPOSAL FOR PROGRAM/DEPARTMENT NAME CHANGE
October 3, 2010

Institution: Iowa State University

Current Title of Department/Program: Agricultural Engineering

Proposed Title of Department/Program: Agricultural and Biosystems Engineering

Name of College: Engineering/Graduate

Current CIP Discipline Specialty Title: Agricultural/Biological Engineering and Bioengineering

Current CIP Discipline Specialty Number (six digits): 14.0301

Proposed CIP Discipline Specialty Title: Agricultural/Biological Engineering and Bioengineering

Proposed CIP Discipline Specialty Number (six digits): 14.0301

Level: B _____ M X _____ D X _____ FP _____

Degree Abbreviation (e.g., B.S., B.A., M.A.): M.E., M.S. and Ph.D.

Approximate date to change name: Month August Year 2013

Contact person: (name, telephone, and e-mail) Steve Freeman, 294-9541, sfreeman@iastate.edu

1. Provide a brief description of the department/program.
2. Describe reasons (justification) for the proposed name change. Include information about the value of the name change to the department, program, the discipline, college, and/or the university.
3. If this is a department name change, describe how the proposed name is consistent with the mission of the college.
4. Will the proposed name change be consistent with other institutions? Identify other institutions that have the same or similar name to the proposed name.
5. Is the proposed name consistent with association/accreditation designations?
6. Describe program configuration changes that will result from the proposed name change, e.g., change in number of credit hours required, etc.
7. Describe how current students will be affected by the proposed department/program name change.
8. What costs will be incurred by the proposed name change? Identify new resources that will be needed in connection with the proposed name change, e.g., facilities, faculty, funds, etc.

1. Brief Description of Program

Iowa State built the nation's first agricultural engineering program in the 20th century. Now, in the 21st century, we continue to extend the frontiers of knowledge through a strong graduate program supporting fundamental and applied research in the following areas:

- Advanced Machinery Engineering and Manufacturing Systems
- Animal Production Systems Engineering
- Biological and Process Engineering and Technology
- Land and Water Resources Engineering
- Occupational Safety Engineering

The Department of Agricultural and Biosystems Engineering currently administers four undergraduate degree programs and two graduate degree programs. In the College of Agriculture and Life Sciences, we have two undergraduate programs and one graduate program. These are B.S. degrees in *Agricultural Systems Technology* and in *Industrial Technology* at the undergraduate level and graduate level M.S. and Ph.D. degrees in *Industrial and Agricultural Technology*. In the College of Engineering, we also have two undergraduate programs and one graduate program. These are B.S. degrees in *Agricultural Engineering* and *Biosystems Engineering* at the undergraduate level and graduate level M.E., M.S., and Ph.D. degrees in *Agricultural Engineering*. This request only involves the graduate program in *Agricultural Engineering*.

2. Justification for the Proposed Name Change

This request is to make the current *Agricultural Engineering* graduate program more inclusive of the increasing number of bio-focused graduate students in the department that are aligned with faculty whose research areas are in the more biological focused aspects of our discipline. The name change to *Agricultural and Biosystems Engineering* brings the name of the graduate program more in alignment with the name of our professional organization (American Society of Agricultural and Biological Engineers) and the name of our department (Agricultural and Biosystems Engineering). Finally, the proposed name more accurately reflects the scope of our departmental engineering graduate programs after the addition of the *Biosystems Engineering* undergraduate program whose rapidly increasing enrollment is an excellent feeder program into our engineering graduate program, particularly at the masters level.

3. Alignment of Department Name Change

Not Applicable - There is no departmental name change requested.

4. Alignment with Other Institutions

Neither the University of Iowa, nor the University of Northern Iowa have any related programs.

Names of similar programs at peer institutions vary, but tend to follow the name of the department which is consistent with this request:

- Purdue - Agricultural and Biological Engineering
- Illinois - Agricultural and Biological Engineering
- Texas A&M - Biological and Agricultural Engineering
- Cornell - Biological and Environmental Engineering
- Ohio State - Food, Agricultural, and Biological Engineering
- UC Davis - Biological Systems Engineering

5. Alignment with Association/Accreditation Designations

The name change is in alignment with our professional organization - American Society of Agricultural and Biological Engineers. This change has no impact regarding accreditation because ABET accreditation is only at the undergraduate level.

6. Program Configuration Changes

None

7. Impact on Current Students

Current students in the program or those already admitted will be given the option of maintaining their degree title of *Agricultural Engineering* or switching to the new title of *Agricultural and Biosystems Engineering*. All students admitted after August 2013 will be in the *Agricultural and Biosystems Engineering* degree program.

8. Costs Associated with the Proposed Name Change

None

9. Approval Record

- 9/5/12 - ABE Graduate Programs Committee (6-0)
- 9/7/12 - ABE Faculty (22-0)
- 10/15/12 - Engineering Curriculum Committee (8-0)
- 1/15/13 - Graduate College (5-0)

Memo from the desk of:

Steve Freeman

Steven A. Freeman, PhD, CSP, CSTM
Professor and Director of Graduate Education

DATE: 9/9/12

TO: Engineering Curriculum Committee

SUBJECT: Name change of AE graduate program

CC: S.K. Mickelson, D.R. Raman

On September 7, 2012, the faculty of the Agricultural and Biosystems Engineering department approved a recommendation from the ABE Graduate Programs Committee to change the name of the department's engineering graduate program from *Agricultural Engineering* to *Agricultural and Biosystems Engineering*.

This request is to make the current AE graduate program more inclusive of the increasing number of bio-focused graduate students in the department that are aligned with faculty whose research areas are in the more biological focused aspects of our discipline. The name change brings the name of the graduate program more in alignment with the name of our professional organization (American Society of Agricultural and Biological Engineering) and the name of our department. Finally, the proposed name more accurately reflects the scope of our departmental engineering graduate programs after the addition of the biosystems engineering undergraduate program whose rapidly increasing enrollment is an excellent feeder program into our engineering graduate program, particularly at the masters level.

Neither the University of Iowa, nor the University of Northern Iowa have any related programs.

Voting Record:

- 9/5/12 unanimous support from the ABE Graduate Programs Committee.
- 9/7/12 unanimous vote of approval by the ABE faculty.

*10/15/12 Unanimous vote of approval by ECC on
10/15/12*

*Doug Jacobson
12/11/12
by
DRC*