

CHANGE UNDERGRADUATE PROGRAM FORM

RECEIVED

FEB 5 - 2014

OFFICE OF THE SENATE COUNCIL

1. General Information

College:	<u>Engineering</u>	Department:	<u>Biosystems & Agricultural Engineering</u>
Current Major Name:	<u>Biosystems Engineering</u>	Proposed Major Name:	_____
Current Degree Title:	<u>Biosystems Engineering</u>	Proposed Degree Title:	_____
Formal Option(s):	_____	Proposed Formal Option(s):	_____
Specialty Field w/in Formal Option:	_____	Proposed Specialty Field w/in Formal Options:	_____
Date of Contact with Associate Provost for Academic Administration ¹ : _____			
Bulletin (yr & pgs):	<u>12-13 pg 219</u>	CIP Code ¹ :	<u>14.0301</u>
		Today's Date:	<u>3/12/13</u>
Accrediting Agency (if applicable): <u>ABET (Accreditation Board for Engineering and Technology)</u>			
Requested Effective Date:	<input checked="" type="checkbox"/> Semester following approval.	OR	<input type="checkbox"/> Specific Date ² : _____
Dept. Contact Person:	<u>Czarena Crofcheck</u>	Phone:	<u>7-3000</u>
		Email:	<u>crofcheck@uky.edu</u>

2. General Education Curriculum for this Program:

The new General Education curriculum is comprised of the equivalent of 30 credit hours of course work. There are, however, some courses that exceed 3 credits & this would result in more than 30 credits in some majors.

- There is no foreign language requirement for the new Gen Ed curriculum.
- There is no General Education Electives requirement.

Please list the courses/credit hours currently used to fulfill the University Studies/General Education curriculum:

Please identify below the suggested courses/credit hours to fulfill the General Education curriculum.

General Education Area	Course	Credit Hrs
I. Intellectual Inquiry (one course in each area)		
Arts and Creativity	<u>BAE 402 & BAE 403</u>	<u>2 & 2</u>
Humanities	<u>select from list</u>	<u>3</u>
Social Sciences	<u>select from list</u>	<u>3</u>
Natural/Physical/Mathematical	<u>PHY231 & PHY 241</u>	<u>4 & 1</u>
II. Composition and Communication		
Composition and Communication I	<u>CIS or WRD 110</u>	<u>3</u>
Composition and Communication II	<u>CIS or WRD 111</u>	<u>3</u>
III. Quantitative Reasoning (one course in each area)		

¹ Prior to filling out this form, you MUST contact the Associate Provost for Academic Administration (APAA). If you do not know the CIP code, the (APAA) can provide you with that during the contact.

² Program changes are typically made effective for the semester following approval. No program will be made effective until all approvals are received.

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Quantitative Foundations ³	<i>MA 113</i>	<u>4</u>
Statistical Inferential Reasoning	<i>BAE 202</i>	<u>3</u>
IV. Citizenship (one course in each area)		
Community, Culture and Citizenship in the USA	<i>select from list</i>	<u>3</u>
Global Dynamics	<i>select from list</i>	<u>3</u>
Total General Education Hours		<u>34</u>

3. Explain whether the proposed changes to the program (as described in sections 4 to 12) involve courses offered by another department/program. **Routing Signature Log must include approval by faculty of additional department(s).**

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4. Explain how satisfaction of the University Graduation Writing Requirement will be changed.

Current <input type="checkbox"/> Standard University course offering. List: _____ <input type="checkbox"/> Specific course – list: _____	Proposed <input type="checkbox"/> Standard University course offering. List: _____ <input type="checkbox"/> Specific course) – list: _____
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5. List any changes to college-level requirements that must be satisfied.

Current <input type="checkbox"/> Standard college requirement. List: _____ <input type="checkbox"/> Specific required course – list: _____	Proposed <input type="checkbox"/> Standard college requirement. List: _____ <input type="checkbox"/> Specific course – list: _____
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6. List pre-major or pre-professional course requirements that will change, including credit hours.

Current _____	Proposed _____
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7. List the major's course requirements that will change, including credit hours.

Current	Proposed
BIO 150 (3)	BIO 148(3)
ME 330 (3)	CE 341 (4)

8. Does the p~~gm~~ require a minor AND does the proposed change affect the required minor? N/A Yes No
 If "Yes," indicate current courses and proposed changes below.

Current _____	Proposed _____
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9. Does the proposed change affect any option(s)? N/A Yes No
 If "Yes," indicate current courses and proposed changes below, including credit hours, and also specialties and subspecialties, if any.

Current _____	Proposed _____
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³ Note that MA 109 is NOT approved as a Quantitative Foundations course. Students in a major requiring calculus will use a calculus course (MA 113, 123, 137 or 138) while students not requiring calculus should take MA 111, PHI 120 or another approved course.

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10. Does the change affect pgm requirements for number of credit hrs outside the major subject in a related field?

Yes No

If so, indicate current courses and proposed changes below.

Current	Proposed

11. Does the change affect pgm requirements for technical or professional support electives?

Yes No

If so, indicate current courses and proposed changes below.

Current	Proposed

12. Does the change affect a minimum number of free credit hours or support electives?

Yes No

If "Yes," indicate current courses and proposed changes below.

Current	Proposed

13. Summary of changes in required credit hours:

	Current	Proposed
a. Credit Hours of Premajor or Preprofessional Courses:	<u>43</u>	<u>43</u>
b. Credit Hours of Major's Requirements:	<u>46</u>	<u>47</u>
c. Credit Hours for Required Minor:	_____	_____
d. Credit Hours Needed for a Specific Option:	_____	_____
e. Credit Hours Outside of Major Subject in Related Field:	_____	_____
f. Credit Hours in Technical or Professional Support Electives:	<u>24</u>	<u>24</u>
g. Minimum Credit Hours of Free/Supportive Electives:	<u>3</u>	<u>3</u>
h. Total Credit Hours Required by Level:		
100:	_____	_____
200:	_____	_____
300:	_____	_____
400-500:	_____	_____
i. Total Credit Hours Required for Graduation:	<u>131</u>	<u>129</u>

14. Rationale for Change(s) – if rationale involves accreditation requirements, please include specific references to that.

BIO 150 is no longer being offered, the replacement course is BIO 148.

Our students typically take CE 341. We will accept either fluids (CE 341 or ME 330), but our students typically take CE 341, so we would like to have that fluids listed in the bulletin curriculum.

In the current bulletin, it says that UK Core for science will be met with CHE 105 & CHE 111, but our students are not required to take CHE 111. They are required to take PHY 231 & PHY 241, which also fulfills the UK Core science requirement. So we would like PHY 231 & PHY 241 listed as the courses used

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to fulfill the UK core science requirement.

PHY 231 & 241 are typically taken in the second year. We have shifted the curriculum so that PHY 231 & 241 are listed in the second year so that the bulletin reflects the most common plan of study for our undergrads.

BAE 402 & BAE 403 have been approved as a UK core Arts & Creativity course.

15. List below the typical semester by semester program for the major. If multiple options are available, attach a separate sheet for each option.

YEAR 1 – FALL: (e.g. "BIO 103; 3 credits")	BAE 102 1 CHE 105 4 CIS /WRD 110 3 MA 113 4 UK Core 3 Total 15	YEAR 1 – SPRING:	<i>BAE 103 2</i> <i>CHE 107 3</i> <i>MA 114 4</i> <i>CE 106 3</i> <i>CIS/WRD 111 3</i> <i>Total 15</i>
YEAR 2 - FALL :	BAE 201 2 BIO 148 3 MA 213 4 PHY 231 4 PHY 241 1 CS 221 2 Total 16	YEAR 2 – SPRING:	<i>BAE 202 3</i> <i>MA 214 3</i> <i>ME 220 3</i> <i>EM 221 3</i> <i>PHY 232 4</i> <i>PHY 242 1</i> <i>Total 17</i>
YEAR 3 - FALL:	CE 341 4 EE 305 3 EM 302 3 BIO 152 3 Tech Elective 3 Total 16	YEAR 3 - SPRING:	<i>ME 325 3</i> <i>BAE 305 3</i> <i>EM 313 3</i> <i>Bio Sci Elective 3</i> <i>Core or Tech Elective 3</i> <i>UK Core 3</i> <i>Total 18</i>
YEAR 4 - FALL:	BAE 402 2 BAE 400 1 Core or Tech Elective 3 Core or Tech Elective 3 Core or Tech Elective 3 UK Core 3 Total 15	YEAR 4 - SPRING:	<i>BAE 403 2</i> <i>ME 340 3</i> <i>Core or Tech Elective 3</i> <i>Core or Tech Elective 3</i> <i>UK Core 3</i> <i>Supporting Elective 3</i> <i>Total 17</i>

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Signature Routing Log

General Information:

Current Degree Title and Major Name: Biosystems Engineering

Proposal Contact Person Name: Czarena Crofcheck Phone: 7-3000

Email: crofcheck@uky.edu

INSTRUCTIONS:

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

Internal College Approvals and Course Cross-listing Approvals:

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
BAE Faculty	2/28/13	Sue Nokes 17-3000 snokes@uky.edu	Sue E. Nokes
Engineering Undergraduate Team	4/15/13	Richard Swergard 7-1864 / rick.swergard@uky.edu	Rick Swergard
Engineering Faculty	10/17/13	Kim Anderson 17-1864 / kimberly.anderson@uky.edu	Kim C.
		/ /	
		/ /	

External-to-College Approvals:

Council	Date Approved	Signature	Approval of Revision ⁴
Undergraduate Council	1/30/14	Joanie Ett-Mims	
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

⁴ Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.

Ellis, Janie

From: Ett, Joanie M
Sent: Wednesday, February 05, 2014 4:47 PM
To: Ellis, Janie
Cc: Brothers, Sheila C
Subject: Arts Administration BA, Biosystems Engineering BS
Attachments: Arts Administration BA-change.pdf; Biosystems Engineering BS-change Revised.pdf

Hi Janie,

Undergraduate Council has reviewed and recommends approval of:
Arts Administration BA-change
Biosystems Engineering BS-change

I also sent approvals through eCATS for:
AAD 101-drop
AAD 150-change
AAD 450-new

Thanks,
Joanie

Joanie Ett-Mims
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