

CHANGE UNDERGRADUATE DEGREE PROGRAM

PLEASE NOTE: To ensure that a series of changes to an existing degree program does not essentially create a new program, the Southern Association for the Accreditation of Colleges and Schools (SACS) requires submission of its Substantive Change Checklist for every program change. Prior to college-level review, you must fill out and submit the [SACS Substantive Change Checklist](#) to the Office of Institutional Effectiveness. Contact Institutional Effectiveness (OSPIE@uky.edu) for assistance.

Once approved at the college level, your college will send the proposal to the appropriate Senate academic council (HCCC and/or UC) for review and approval. Once approved at the academic council level, the academic council will send your proposal to the Senate Council office for additional review and then a 10-day posting online, during which senators review on their own and have an option to register an objection if they so desire. If no objection is raised to the Senate Council Office within ten days of the posting the proposal, then the program change is approved. The Senate Council Office will report approvals to the Provost, Registrar and other appropriate entities, including the contact person.

For every proposed change, you MUST also include the existing requirement.

SUMMARY OF CHANGES						
Check all that apply.						
<input checked="" type="checkbox"/> Courses	<input type="checkbox"/> Program name	<input type="checkbox"/> Total required credit hours	<input type="checkbox"/> Student learning outcomes			
<input type="checkbox"/> Criteria for admissions/progression/termination		<input type="checkbox"/> Certificate assessment	<input type="checkbox"/> Other			
1. General Information						
1a	Date of contact with Institutional Effectiveness (IE) ¹ :		10/25/2018			
	<input checked="" type="checkbox"/> Appended to the end of this form is a PDF of the reply from Institutional Effectiveness.					
1b	College ² :	Engineering	Department ² :	Biosystems and Agricultural Engineering		
1c	CIP code ³ :	14.0301	Today's Date:	10/31/2018		
1d	Current major name: (Biology, Design, etc.)	Biosystems Engineering	Proposed major name:	Biosystems Engineering		
1e	Current Degree (BA, BFA, etc.):	BSBN	Proposed degree:	BSBN		
1f	Will there be any changes regarding a track(s) for the program?				Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
1g	Accrediting agency, if applicable:	ABET (Accreditation Board for Engineering Technology)				
1h	Date of most recent periodic program review for this degree:		Fall 2018			
1i	Requested effective date:	<input checked="" type="checkbox"/> Fall semester following approval.	OR	<input type="checkbox"/> Specific Date ⁴ : <i>Fall 20</i>		

¹ Prior to college-level review, you must fill out and submit the SACS Substantive Change Checklist to the Office of Institutional Effectiveness. You can reach Institutional Effectiveness by phone or email (257-1962 or OSPIE@uky.edu).

² It is not possible to change the home academic unit of a degree program via this form. To change the home unit, visit <https://www.uky.edu/universitysenate/forms> and look for the heading, "Forms Related to Academic Organizational Structure."

³ The CIP code is provided by Institutional Effectiveness. If a different CIP code is necessary, the program may undergo a review similar to the new program approval process.

⁴ No program change(s) will be effective until all approvals are received.

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1j	Contact person name: Joseph Dvorak	Phone / Email: 7-5658 / joe.dvorak@uky.edu
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2. Overview of Changes

2a	Describe the rationale for the changes, including results from the most recent program review if applicable. (450 word limit)
	We will replace ME 340 with BAE 502. These are both modeling classes. BAE 502 is taught within our department and has a long history of being accepted as a substitution for ME 340. As ME (and to a lesser extent our department) have increased enrollment, more and more students have been electing to take BAE 502 instead of ME 340. This change reflects this reality and also ensures that our major has 24 credit hours of required courses with our course prefix at the 300-level or higher. The College of Engineering has this 24-hour rule for graduating and we need to have a degree plan that provides the 24-hours within required courses only and not in electives.

2b	Use the fields below, as applicable, to identify the areas in which changes will be made.		
		Current	<i>Proposed</i>
i.	Credit Hours of Premajor Courses:	44	44
ii.	Credit Hours of Preprofessional Courses:		
iii.	Credit Hours of Major Core Course Requirements	48	48
iv.	Minimum Credit Hours of Guided Electives:	21	21
v.	Minimum Credit Hours of Free Electives:	0	0
vi.	Credit Hours for Track 1 (name):		
vii.	Credit Hours for Track 2 (name):		
viii.	Credit Hours for Track 3 (name):		
ix.	Credit Hours for Track 4 (name):		
x.	Credit Hours for Track 5 (name):		
xi.	Credit Hours for Required Minor:		
xii.	Total Credit Hours Required by Level:	100-level:	
		200-level:	
		300-level:	
		400-level:	
		500-level:	
	TOTAL CREDIT HOURS REQUIRED FOR GRADUATION:	<u>128</u>	<u>128</u>

xv.	If the total hours required for graduation have changed, explain below. (150 word limit)

2c	Will the requested change(s) result in the use of courses from another educational unit?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If "Yes," describe generally the courses and how they will be used.		
	If "Yes," two pieces of supporting documentation are required.		

Check to confirm that appended to the end of this form is a letter of support from the appropriate chair/director⁵ of each unit from which individual courses will be used.

Check to confirm that appended to the end of this form is verification that the chair/director of each affected unit has consent from the faculty members of the unit. This typically takes the form of meeting minutes.

2d Will the proposed change(s) affect an associated minor? Yes No

If "Yes," the department must also submit a change form to change the minor.

3. UK Core Courses

3a Are there any proposed changes to the UK Core requirements for the program? (If "Yes," indicate and proceed to next question. If "No," indicate and proceed to 4a.) Yes No

If "Yes," note the specific changes in the grid below.

UK Core Area	Current Course	Current Credits	Proposed Course	Proposed Credits
I. Intellectual Inquiry				
Arts and Creativity				
Humanities				
Social Sciences				
Natural/Physical/Mathematical				
II. Composition and Communication				
Composition and Communication I	CIS/WRD 110	3	<i>CIS/WRD 110</i>	3
Composition and Communication II	CIS/WRD 111	3	<i>CIS/WRD 111</i>	3
III. Quantitative Reasoning				
Quantitative Foundations				
Statistical Inferential Reasoning				
IV. Citizenship (one course in each area)				
Community, Culture & Citizenship in USA				
Global Dynamics				
Total UK Core Hours		=====		=====

3b Provide the Bulletin language about UK Core.

4. Graduation Composition and Communication Requirement

4a Will the Graduation Composition and Communication requirement be changed? (If "Yes," indicate and proceed to next question. If "No," indicate and proceed to 5a.) Yes No

If "Yes," note the specific changes below, including changes to credit hours.

If the course(s) used are from outside the home unit, one piece of supporting documentation is required.

Check to confirm that appended to the end of this form is a letter of support from the other units'

⁵ A dean may submit a letter only when there is no educational unit below the college level, i.e. there is no department/school.

chair/director ⁶ from which individual courses will be used.	
Current	Proposed
i. <input type="checkbox"/> Single course in home unit:	<input type="checkbox"/> <i>Single course in home unit:</i>
ii. <input type="checkbox"/> Multiple courses in home unit.	<input type="checkbox"/> <i>Multiple courses in home unit.</i>
iii. <input type="checkbox"/> Single course outside home unit.	<input type="checkbox"/> <i>Single course outside home unit.</i>
iv. <input type="checkbox"/> Multiple courses outside home unit.	<input type="checkbox"/> <i>Multiple courses outside home unit.</i>
v. <input type="checkbox"/> Course(s) inside & outside home unit.	<input type="checkbox"/> <i>Course(s) inside & outside home unit.</i>

4b Provide the Bulletin language about GCCR below.

5. Other Course Changes

5a Will the college-level requirements change? (If “Yes,” indicate and note the specific changes in the grid below. If “No,” indicate and proceed to question 5c.) Yes No

Current		Proposed	
<input type="checkbox"/> Standard college requirement		<input type="checkbox"/> <i>Standard college requirement</i>	
<input type="checkbox"/> Specific course		<input type="checkbox"/> <i>Specific course</i>	

Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ⁷
						Select one....
						Select one....
						Select one....

5b Will the existing language in the Bulletin about college-level requirements change? Yes No
If “Yes,” provide the new language below.

5c Will the pre-major or pre-professional course requirements change? (If “Yes,” indicate and note the specific changes in the grid below. If “No,” indicate and proceed to question 5e.) Yes No

Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ⁸
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....

⁶ A dean may submit a letter only when there is no educational unit below the college level, i.e. there are no departments/schools.

⁷ Use the drop-down list to indicate if the course is a new course (“new”), an existing course that will change (“change”), or if the course is an existing course that will not change (“no change”).

⁸ Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

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PHY 232 General University Physics4
PHY 242 General University Physics Laboratory1
Subtotal: Major hours48
*CE 341 Introduction to Fluid Mechanics can be used to fulfill the requirement for ME 330.

5g Will the guided electives change? (If “Yes,” indicate and note the specific changes in the grid below. If “No,” indicate and proceed to question 5i.) Yes No

Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ¹⁰
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....

5h Provide the Bulletin language for guided electives.

5i Will the free electives change? (If “Yes,” indicate and note the specific changes in the space below. If “No,” indicate and proceed to question 5j.) Yes No

5j Does the proposed change affect any track(s)? (If “Yes,” note the specific changes using the grid below. If “No,” proceed to question 6.) Yes No

If more than one track is affected, click [HERE](#) for a template. Append a PDF for each affected track to the end of this form.

Track Name:	<input type="checkbox"/> New Track	<input type="checkbox"/> Changed Track	<input type="checkbox"/> Deleted Track			
Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ¹¹
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....

5k Provide the Bulletin language for the track.

¹⁰ Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

¹¹ Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

6. Semester by Semester Program

List below the typical semester-by-semester program for the major. If multiple tracks are available, click [HERE](#) for a template for additional tracks and append a PDF of each track's courses to the end of this form.

YEAR 1 – FALL: (e.g. "BIO 103; 3 credits")	EGR 101	1	YEAR 1 – SPRING:	<i>EGR 103</i>	2
	EGR 102	2		<i>MA 114</i>	4
	CHE 105	4		<i>CIS/WRD 111</i>	3
	CIS /WRD 110	3		<i>PHY 231</i>	4
	MA 113	4		<i>PHY 241</i>	1
	Total	14		<i>UK Core</i>	3
			<i>Total</i>	17	
YEAR 2 - FALL :	BAE 200	3	YEAR 2 – SPRING:	<i>BAE 202</i>	3
	BIO 148	3		<i>MA 214</i>	3
	MA 213	4		<i>ME 220</i>	3
	PHY 232	4		<i>EM 221</i>	3
	PHY 242	1		<i>CHE 107</i>	3
	CE 106	3		<i>Total</i>	15
Total	18				
YEAR 3 - FALL:	BAE 301	2	YEAR 3 - SPRING:	<i>BAE 305</i>	3
	ME 330	3		<i>EM 302</i>	3
	EE 305	3		<i>BAE 310</i>	3
	EM 313	3		<i>Core Elective</i>	3
	BIO 152	3		<i>UK Core</i>	3
	WRD 204 (GCCR)	3		<i>UK Core</i>	3
Total	17	<i>Total</i>	18		
YEAR 4 - FALL:	BAE 402	2	YEAR 4 - SPRING:	<i>BAE 403</i>	2
	BAE 400	1		<i>BAE 502</i>	3
	Core or Tech Elective	3		<i>Core or Tech Elective</i>	3
	Core or Tech Elective	3		<i>Core or Tech Elective</i>	3
	Core or Tech Elective	3		<i>UK Core</i>	3
	Bio Sci Elective	3		<i>Total</i>	14
Total	15				

7. Approvals/Reviews

Information below does not supersede the requirement for individual letters of support from educational unit administrators and verification of faculty support (typically takes the form of meeting minutes).

In addition to the information below, attach documentation of department and college approval. This typically takes the form of meeting minutes but may also be an email from the unit head reporting department- and college-level votes.

	Reviewing Group Name	Date Approved	Contact Person Name/Phone/Email
7a	(Within College)		
	Biosystems Engineering	10/19/2018	Michael Montross / 8-4319 / michael.montross@uky.edu
			/ /
			/ /
			/ /
7b	(Collaborating and/or Affected Units)		
			/ /
			/ /

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			/	/
			/	/
			/	/
7c	(Senate Academic Council)	Date Approved	Contact Person Name	
	Health Care Colleges Council (if applicable)			
	Undergraduate Council	3/5/19	Joanie Ett-Mims	

Subject: Substantive Change Decision

Date: Friday, October 26, 2018 at 11:35:36 AM Eastern Daylight Time

From: noreply@qualtrics-survey.com

To: Dvorak, Joseph

Dear Joseph Dvorak,

Thank you for your email regarding the proposed program change(s) to **Biosystems Engineering, Bachelor's (14.0301)**.

My email will serve 2 purposes: 1.) Next steps for SACSCOC, and 2.) Verification and notification that you have contacted OSPIE—a Senate requirement for proposal approval.

1. **Next steps for SACSCOC:** None required
2. **Verification that OSPIE has reviewed the proposal:** Based on the proposal documentation presented and Substantive Change Checklist, the proposed program changes (refer to list below) are not substantive changes as defined by the University or SACSCOC, the university's regional accreditor. Therefore, no additional information is required by the Office of Strategic Planning & Institutional Effectiveness at this time. The proposed program change(s) may move forward in accordance with college and university-level approval processes.

Description of Proposed Change(s):

· We will replace ME 340 with BAE 502. These are both modeling classes. BAE 502 is taught within our department and has a long history of being accepted as a substitution for ME 340. As ME (and to a lesser extent our department) have increased enrollment, more and more students have been electing to take BAE 502 instead of ME 340. This change reflects this reality and also ensures that our major has 24 credit hours of required courses with our course prefix at the 300-level or higher. The College of Engineering has this 24-hour rule for graduating and we need to have a degree plan that provides the 24-hours within required courses only and not in electives. Part B. mentions online or hybrid classes, we do have online and hybrid offerings in our program in some classes, but this change has no effect on those classes.

Should you have questions or concerns about UK's substantive change policy and its procedures, please do not hesitate contacting our office.

Office of Strategic Planning & Institutional Effectiveness

University of Kentucky

Visit the Institutional Effectiveness Website: [https://proxy.qualtrics.com/proxy/?](https://proxy.qualtrics.com/proxy/?url=http%3A%2F%2Fwww.uky.edu%2Fie&token=w%2BXHkAS0tASxS4xDceQ8e0MxnHdJ2Eu4smnkDcYodCE%3D)

[url=http%3A%2F%2Fwww.uky.edu%2Fie&token=w%2BXHkAS0tASxS4xDceQ8e0MxnHdJ2Eu4smnkDcYodCE%3D](https://proxy.qualtrics.com/proxy/?url=http%3A%2F%2Fwww.uky.edu%2Fie&token=w%2BXHkAS0tASxS4xDceQ8e0MxnHdJ2Eu4smnkDcYodCE%3D)

Faculty Meeting Minutes

10/19/18 at 1 pm, room 246

Attendance

Crofcheck, Sama, Dvorak, Edwards, Stombaugh, Nokes, Agouridis, Colliver, Jackson, Hayes, Adedeji, McNeill, Overhults, Shi, Montross

Congratulations

Dr. Nokes Associate Dean for Faculty Affairs and Facilities in the College of Engineering

George and Ruth Duncan inducted into National 4-H Hall of Fame

Joe Stevens Chateaubriand Fellowship.

Publications

Shockley, J., **Dvorak, J.**, Mason, R., McNeill, S. (2018). Developing Mobile Apps to Address Problems in Farm Management. *Journal of Farm Managers and Rural Appraisers*. Accepted. Impact Factor of Journal: Not Available. *

» Awarded the Gold Quill Award as the most outstanding Journal Article published by the American Society of Farm Managers and Rural Appraisers in 2018.

Turner, A. P., Sama, M. P., Bryson, L. S., & Montross, M. D. (2018). Effect of Stem Crushing on the Uniaxial Bulk Compression Behaviour of Switchgrass and Miscanthus. *Biosystems Engineering*, 175, 52-62.

Schiavone, D. F., & Montross, M. D. (2018). Hydraulic Properties of Baled Switchgrass and Miscanthus. *Transactions of the Asabe*, 61(3), 1145-1155.

Grants

Agouridis, UK Stormwater Quality Improvement and Stream Restoration Project. LFUCG. \$299,400. \$50,000 UK Student Sustainability.

Pekarchik and Sama. UK Central Appalachian Regional Education and Research Center Pilot Study.

Shi. USDA-AFRI award. I cannot find the PADR or title.

Shi/Adedeji received multi state support through CAFE for a dPCR.

Graduating Students

Aaron Turner (Montross/Sama), Ali Hamidisepehr (Sama), Ben Herbener (Stombaugh), Christian Taber (Colliver), Surya Saket (Sama)

Phased Retirements

David "Lee" Rehtin

Desired Outcomes Today

Discussion on teaching commitments for next year
What and who would like to do online graduate degrees/certificates
We can hire 2 faculty, what areas

Agenda

Minor announcements (5 minutes)

Furniture, carpet for 228 – current plan is chairs that can be stacked out of way, tables that can be reconfigured for group work
Trying to buy copier, vendor not providing quote to Julie
APR – McNeill and Colliver provide input to me. Starting next week.
Multistate projects – many have expired, do the appendix E, station rep and others listed on project, then the PI does the REEPort project initiation. Sooner the better, we can not charge anything on them until it goes through the REEport system.

Undergraduate Curriculum (5 minutes Dvorak)

Need one more 300 level or higher BAE course, require BAE 502 instead of ME 340
Motion made by Crofcheck to require BAE 502, seconded by Sama, passed unanimously.
202 is being taught by lecturer (statistics)
Nokes won't be teaching (next few years, senior design and 447)
Options for handling 202, 447, and 402/403. Need to decide in November faculty Meeting. Could also change other courses 301, etc.
UGCC working on revision of first year engineering information session
ME will limit 3D CAD class to only ME
COE is considering raising math ACT from 23 to 25, this would match math department

On line graduate degrees/certificates (20 minutes – Montross/Agouridis)

Goal for this discussion – who and what are we interested in developing online courses/programs/certificates? There would be revenue sharing on tuition generated, how that is distributed in the department not sure. Depending on scale, hire someone to help manage the course offerings. Part time per credit hour rate grad students 674/cr, 40% will be shared with department, \$270/credit hour

Fully online graduate courses for BAE would:

- offset potential loss of students to Biomedical
- increase our stature inside and outside of UK
- increase flexibility for undergraduates who could take some 500-level courses
- require shift in how faculty conceive and teach a course, likely improve course
- help new faculty develop their programs, achieve tenure, additional recognition
- create new revenue stream for department (there will be some revenue sharing)
- push forward idea to create continuing education programming, pull modules from courses to offer as continuing education

Two Potential Options for BAE

Create fully online courses for engineers that would be focused on water resources/ecological management (“Water Resources and Ecological Engineering” (WREE) is a program Carmen Agouridis developed and submitted in 2014 in response to an internal RFP.) Could also be an overall MS online program?

Non-thesis, hopefully non-project (UK MBA does not have a project, MFS does)

30 credits

Collaborative program/course development: COE, CAFE, A&S

UK support: CELT, Faculty Fellows, Media Depot, some grant funds

BAE support: Agouridis has taught online courses, Karin, post-doc to teach developed course

Stakeholder meeting with consultants to elicit program review; check alignment with what they want their employees to learn

Potential launch (would need 3 courses in Fall 2019 to call it started)

Potential faculty involved and courses:

- Agouridis (532 – stream restoration)
- Nokes/Shi (503 biorenewable resource)
- Edwards (536, 662)
- Sama (658 instrumentation)
- Ford (502)
- Crofcheck/Edwards (seminar series)
- Higgins (BMPS, could be part of option 2)
- Permitting/safety
- Other?

Issues

Project requirement for MS

Sensitivity between Colleges

Costs of 1, 2, or 3 classes for students, would they take a program

Limits on number of online courses for international students

Advertising, marketing, and program demand

Person to coordinate program ~70k, need 260 credit hours/yr to break even

2. Contribute courses to CAFE’s online master’s (developed specifically for extension agents)

Similar objectives and end goals as outlined above, but possibly different set of faculty and smaller impact because fewer people involved. One idea is the courses are targeted towards agents working on MS, but then pull modules out for other groups (farmers, engineers, etc)

- Hayes – ventilation and structures targeted towards agents
- Jackson/Sama – drone application
- McNeill/Colliver – energy assessment/options
- Higgins/Hayes/Jackson/Agouridis – BMP for agricultural producers
- Perhaps a need for safety and equine courses that we could develop

Part of this could be a graduate certificate in Agricultural Technology?

On line summer courses not part of Provost push, but still good for department. What courses could be offered on line in summer?

New faculty hiring (20 minutes)

I think we can hire 2 faculty. It will be a little bit of a stretch for the department budget, but we can make it work. If we hire 2 positions with big startup that will be somewhat of an issue. I pulled some data for courses, this should be Spring 2018 and Fall 2018. I could have missed a course or two, so double check.

Name	Title	Rank	Area	DOE (I/R/S/A)	Courses (# students)	Credits
Adedeji	Reg	Asst	Bioproc	24 / 71 / 5 / 0	400 (37) 549 (8) AEN 340 (6)	79
Agouridis	Ext	Assoc	Bioenv	27 / 15 / 53 / 5	532 (16)	48
Colliver	Reg	Full	Cont env	55 / 19 / 6 / 20	580 (9) 599 (4)	39
Crofcheck	Reg	Full	Bioproc	10 / 10 / 0 / 80	775 (8) AEN 341 (41)	147
Dvorak	Reg	Asst	Machine	40 / 35 / 5 / 20	305 (30)	90
Edwards	Reg	Full	Bioenv	27 / 68 / 5 / 0	775 (9) 536 (11)	51
Ford	Reg	Asst	Bioenv	28 / 67 / 5 / 0	437 (33) 502 (49)	246
Hayes	Ext	Asst	Cont env	11 / 20 / 69 / 0	427 (32)	96
Jackson	Ext	Asst	Cont env	11 / 26 / 63 / 0	599 (3)	9
McNeill	Ext	Full	Bioproc	0 / 28 / 72 / 0		
Modenbach	Lec		Bioproc	90 / 0 / 10 / 0	200 (30)	90
Montross	Reg	Full	Bioproc	8 / 57 / 5 / 30	301 (37)	74
Nokes	Reg	Full	Bioproc	30 / 65 / 5 / 0	447 (39) 402 403	197
Overhults	Ext	Full	Cont env			
Peterson	Reg	Full	Machine	10 / 20 / 0 / 70	403 (45) 402 (35)	80
Purschwitz	Ext	Full	Machine	0 / 6 / 94 / 0		
Sama	Reg	Asst	Machine	35 / 60 / 5 / 0	514 (11) 658 (12)	69
Shi	Reg	Asst	Bioproc	27 / 68 / 5 / 0	310 (17)	51
Stombaugh	Ext	Full	Machine	22 / 28 / 50 / 0	Gen (7) Gen (5) 417 (29)	123
Taraba	Ext	Full	Cont env		435G (3)	9
Average	based on n=18			25 / 37 / 25 / 13		83
FTE / sum credits				4.5 / 6.6 / 4.6 / 2.3		1,498

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Total is actually 20 (counting lecturer), FTE based on pre Nokes appointment
Tuition \$6,000 per semester so 400/credit hour, on average \$33,200/faculty member

Currently

Specialization	# Regular (subtraction)	# Ext (subtraction)	Total
Bioenvironmental	2	1	3
Controlled env	1	4 (-2 post retire)	5 (-2)
Food and bioprocess	5 (-3 admin)	1	6 (-3)
Machine systems	3 (-1 admin)	2	5 (-1)
Total	11 (-4)	8 (-2)	19 (-6)

11 regular title, 6 extension (with 2 post retirement), 1 lecturer
7 food and bioprocessing (2 Associate deans, 1 chair out of this, 1 lecturer), 5 controlled environment (2 post retirement), 5 machine systems (1 administrator), 3 bioenvironmental
7 assistant, 1 associate, 11 full, 1 lecturer

Questions

What will our future student body look like? In BAE 200 today, 11 pre-biomed, 6 bioenvironmental, 5 food and bioprocessing, 3 pre-med, 2 machine systems, 2 controlled environment, 1 pre-vet.

What presence do we want in Princeton? How many and what areas? There is definite support from the administration to continue our involvement there.



University of Kentucky
College of Engineering
Office of the Dean

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Lexington, KY 40506-0503
P: 859-257-1687
F: 859-257-5727
www.engr.uky.edu

January 28, 2019

To Whom It May Concern:

This letter is to confirm that the faculty of the College of Engineering has reviewed and approved the attached proposal for the program change in Biosystems Engineering. The faculty reviewed the proposal documents via email and there were no concerns raised.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kimberly Anderson'.

Kimberly Anderson, Ph.D.
Associate Dean for Administration and Academic Affairs

see blue.

An Equal Opportunity University