Brothers, Sheila

From: Farrell, Herman

Sent: Wednesday, January 24, 2018 3:17 PM

To: Brothers, Sheila

Cc: McCormick, Katherine; Brion, Gail; Hubbard, Brad

Subject: Fw: New Cmte Item (SAASC)_Proposed Change to BS Civil Engineering

The SAASC convened on Friday, January 19, 2018 to consider a proposal from the College of Engineering involving a change in the BSCIE - Civil Engineering program. The change involves a decrease in the total number of credit hours (from 131 to 128) and a change in the program specific admissions procedures.

Attendance: Dan Morey, David Hulse, Dan Howell, Fred Danner, Kevin Donohue, Brad Hubbard, Herman Farrell (Chair).

Procedure:

Brad Hubbard served as the facilitator of the proposal. He corresponded with Dr. Gail Brion, the contact person for the proposal and their correspondence is included below.

Discussion:

At the meeting, Dr. Brion provided a brief synopsis of the proposal and the rationale for the reduction in credit hours, notably, to align the civil engineering program with the CPE mandate, that limits credit hours to 120 but allows for exceptions up to 128 for STEM programs. She noted that the only viable area for reduction of 3 credit hours (from the current 131 to 128) was in the "supportive electives" that required engineering students to broaden their experience by taking courses outside their major, some involving physical activity, such as those provided in KHP. Brad Hubbard noted that this proposal is one of several that are coming to the SAASC from the College of Engineering that involve streamlining of curricular requirements within the college. In two weeks, the SAASC will be considering 8 other similar proposals (bundled together) from the College of Engineering. The Chair noted that he had asked Sheila Brothers to break out one proposal for separate review by the committee in order to identify any potential issues that might come up in the review of the 8 (bundled for the sake of review) proposals. A brief discussion ensued.

Vote:

A motion was made and seconded that the SAASC approve the proposal from the College of Engineering involving a change in the BSCIE – Civil Engineering program.

The committee voted 7 in favor, 0 opposed.

Herman Daniel Farrell III

Chellgren Endowed Professor Associate Professor - Playwriting University of Kentucky Department of Theatre 138 Fine Arts Building Lexington, Kentucky 40506 WWW.hermandanielfarrell3.com/ From: Hubbard, Brad

Sent: Wednesday, January 3, 2018 10:15 AM

To: Brion, Gail

Cc: Yost, Scott; Farrell, Herman

Subject: RE: New Cmte Item (SAASC)_Proposed Change to BS Civil Engineering

Hi Dr. Brion,

Thanks for your prompt reply. We look forward to your presence at the upcoming SAASC meeting on 1/19 (Fine Arts Room 106). ☺

Sincerely,

Brad Hubbard



Brad Hubbard

Academic Advisor University of Kentucky Lewis Honors College 1120 University Drive, Room U122C Lexington, KY 40526-0104 859-323-4725 brad.hubbard@uky.edu

STATEMENT OF CONFIDENTIALITY

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From: Brion, Gail

Sent: Wednesday, January 03, 2018 10:04 AM **To:** Hubbard, Brad
 brad.hubbard@uky.edu>

Cc: Yost, Scott <scott.yost@uky.edu>

Subject: Re: New Cmte Item (SAASC) Proposed Change to BS Civil Engineering

Hi.

Yes I can talk to the committee on Friday 1-19 to answer questions about this faculty approved change in our curriculum. You are correct, we are being pushed to reduce credit hours by CPE, and required to meet certain science, design, and professional competencies by our engineering accrediting agency, ABET. In addition, there are College-level student success initiatives that have been implemented that added credit hours to all engineering program's curriculum (First Year Program). After discussion of these factors and requirements by our Education committee, and the full faculty, the supportive elective was selected for elimination. This change allows us to continue to graduate fully competent engineers that have a fully ABET-approved BSCE that will allow them to successfully compete and enter into practice in their profession.

I have cc'd the former SUS who initiated this change to assure I have not left any rationale out of this email. Scott is on sabbatical, but will chime in if needed.

Cheers, Gail

Sent from my Galaxy Tab® S2

----- Original message -----

From: "Hubbard, Brad" < brad.hubbard@uky.edu >

Date: 1/3/18 9:43 AM (GMT-05:00)
To: "Brion, Gail" <gail.brion@uky.edu>

Subject: RE: New Cmte Item (SAASC) Proposed Change to BS Civil Engineering

Hi Dr. Brion,

My name is Brad Hubbard and I am a member of the SAASC Committee. The reason I am reaching out to you is to be a liaison between you and SAASC as it relates to this proposal for the BS in Civil Engineering (to change the admissions requirements, and reduction from 131 to 128 credit hours). My goal in reaching out to you today is twofold: 1) to invite you to meet with SAASC to discuss the proposal in depth as we deliberate and (likely) vote on it, and 2) to gain a preliminary understanding of the proposal with you via email exchange.

We are meeting on Friday 1/19 at 2:30pm – 3:30pm (in Fine Arts 106) and plan to discuss this proposal during the meeting. Are you able to be at this meeting to discuss the desired changes outlined in the proposal? Having you there would be ideal so that the committee can ask specific questions about the proposal. I have read the proposal thoroughly and feel I have an adequate understanding of the desired changes – they seem pretty straightforward to me (eliminate support elective requirement, thus reducing 131 to 128 total credit hours required for Civil Engineering per CPE mandate; minor change in admissions standards to gain Engineering Standing as outlines in support letter from Associate Dean Kim Anderson).

Are you able to attend the SAASC meeting on 1/19? Thanks in advance for your time.

Sincerely,

Brad Hubbard



Brad Hubbard

Academic Advisor University of Kentucky Lewis Honors College 1120 University Drive, Room U122C Lexington, KY 40526-0104 859-323-4725 brad.hubbard@uky.edu

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From: Brothers, Sheila

Sent: Friday, December 08, 2017 3:41 PM

To: Farrell, Herman < herman.farrell3@uky.edu>

Cc: Hubbard, Brad brad.hubbard@uky.edu; Howe, Daniel daniel.howe@uky.edu; Danner, Frederick

<fdanner@email.uky.edu>; Donohue, Kevin <kevin.donohue1@uky.edu>; Kerns, Bradley

<bradley.kerns@uky.edu>; Morey, Daniel S <daniel-morey@uky.edu>; Kellum, Rebecca <rkellum@uky.edu>;

Crofcheck, Czarena <<u>crofcheck@uky.edu</u>>; Caudill, Timothy S <<u>timothy.caudill@uky.edu</u>>; Hulse, David

<<u>dshuls00@email.uky.edu</u>>; Provost, University of Kentucky <<u>provost@email.uky.edu</u>>; Brion, Gail

<gail.brion@uky.edu>

Subject: New Cmte Item (SAASC)_Proposed Change to BS Civil Engineering

Good morning, Herman. There is a new item ready for review by the Senate's Admissions and Academic Standards Committee (SAASC). This is to change the admissions requirements for the BS in Civil Engineering.

The proposal is attached here and can also be found at http://www.uky.edu/universitysenate/committee/admissions-and-academic-standards-committee-saasc.

Gail Brion is your contact person for this proposal.

This is tentatively scheduled to be reviewed by the SC on Monday, February 5, and by the Senate on Monday, February 11. Therefore, I'll need the results of your committee's deliberations by Monday, January 29. If this proposal requires a longer review period, please let me know and I can adjust agenda scheduling accordingly.

If you have any questions or requests, please don't hesitate to let me know.

Thank you, Sheila

Sheila Brothers Office of the Senate Council 203E Main Building, -0032 Phone (859) 257-5872 http://www.uky.edu/faculty/senate

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 (institutionaleffectiveness@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	OE CL	JANGES				
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1. Gen	eral Informa	tion									
1a	Date of co	ntact wit	th Institut	ional Effe	ctiveness (IE)	¹: 0	4/13/17				
	Append	ded to th	ne end of	this form	is a PDF of the	e reply	y from Insti	tutional Effec	tiveness		
1b	College ² :	Engine	ering			Depa	artment²:	Civil Engine	ering		
1c	CIP code ³ :		14.0801				Today's Da	ite:	04/17/	17	
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10	(Biology, D	esign, e	tc.)	ii Enginee	aring		rioposeu i	najor name.	same		
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1f	Will there	be any c	hanges re	garding a	track(s) for th	ne pro	gram?		Y	es	No 🔀
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1g	Accrediting	g agency	, if applica	able: A	ccreditation E	Board	for Enginee	ring and Tech	nology	(ABET, Inc	c)
1h	Date of mo	ost recer	nt periodic	program	review for th	is deg	ree: Oct	ober, 2016			
1i	Requested	effectiv	e date:	Fall	semester follo	wing	approval.	OR	Specifi	c Date ⁴ : <i>I</i>	Fall 20
								· · · · · · · · · · · · · · · · · · ·			

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 (257-2873 or institutionaleffectiveness@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 http://www.uky.edu/faculty/senate and search for 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.

1j	Contact person name:	Scott A Yost	Phone / Email:	257-4816 / scott.yost@uky.edu

2. Overview of Changes

Describe the rationale for the changes, including results from the most recent program review if applicable. (450 word limit)

There are two changes that are part of this proposal, total number of credit hours, and change in the program specific admission proceedures.

- 1) Credit Hours: Due to the mandate from the Council on Post-Secondary Education, which requires all programs to have a maximum of 120 credit hours (though certain programs are given an exception to 128 credit hours), this proposed changed is to align the civil engineering program requirements with the CPE mandate.
- 2) Admission procedures: See attached memo from the College of Engineering Associate Dean for more details and Collegewide perspective. In summary, during the 2016-17 academic year the college of engineering reviewed all the admission requirements and proceedures for the each of the 9 underagratuate programs in the college. The goal was to unify and streamline the process across the college. The impact to the Civil Engineering program was to clarify pre-major courses, include an overall UK GPA standard (beside the Engieering Standing core courses GPA) in determining admission, and when a student has multiple attempts at a given course, only the best grade from all the attempts will be used in calculating the Engieering Standing Core GPA.

see the attached modification to the admission requirements for the Civil Engineering Program, Engineering Standing.

			Current	Proposed
i.	Credit Hours of Premajor Courses:		45	45
ii.	Credit Hours of Preprofessional Courses:		NA	NA
iii.	Credit Hours of Major Core Course Requiren	nents	50	50
iv.	Minimum Credit Hours of Guided Electives:		18	18
٧.	Minimum Credit Hours of Free Electives:		3	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):			
х.	Credit Hours for Track 5 (name):			
xi.	Credit Hours for Required Minor:			
xii.	Total Credit Hours Required by Level:	100-level:	29	29
		200-level:	31	31
		300-level:	26	26
		400-level:	24	24
		500-level:	0	0
		<u>'</u>		
	TOTAL CREDIT HOURS REQUIRED FO	D CDADLIATION:	<u>131</u>	<u>128</u>

	Due to the mandate from the Council on Post-Secondary Education, which requires all programs to have a maximum of 120 credit hours (which certain programs given an exception to 128 credit hours), this proposed changed is to align the program requirements with the CPE mandate						
20	Will the requested change(s) result in the unit?	use of courses fro	om another educ	ational	Yes 🗌	No 🖂	
	If "Yes," describe generally the courses and	d how they will u	sed.				
	If "Yes," two pieces of supporting document	ntation are requi	red.				
	Check to confirm that appended to the chair/director ⁵ of each unit from which ind		•	port from	the appro	priate	
	Check to confirm that appended to the affected unit has consent from the faculty minutes.						
20	Will the proposed change(s) affect an asso	ciated minor?			Yes 🗌	No 🖂	
	If "Yes," the department must also submit	a change form to	change the min	or.			
3. Co 3a.	urse Sharing Will the requested changes result in the us	o of sources from	a anothor unit?		Yes	No 🔀	
Sa.	If "Yes," describe generally the courses and				165	NO 🔼	
	ii res, describe generally the courses and	a now they will a	<u> </u>				
	If "Yes," two pieces of supporting documer	ntation are requi	red.				
	Check to confirm that appended to the		is a letter of sup	port from	the other	units'	
	chair/director ⁶ from which individual cours	ses will be used.					
	Check to confirm that appended to the unit has consent from the faculty members						
	,	<u> </u>	typically talked th				
3. UI	Core Courses						
2.	Are there any proposed changes to the UK	•		•	V	N. N.	
3a	"Yes," indicate and proceed to next question If "Yes," note the specific changes in the gr	•	ate and proceed	to 4a.)	Yes	No 🔀	
	ii res, note the specific changes in the gr	Current	Current	Propos	ed _		
UK C	ore Area	Course	Credits	Cours	<i> </i>	Proposed Credits	
I. Int	ellectual Inquiry						
	Arts and Creativity						
	Humanities						
	Social Sciences						
	Natural/Physical/Mathematical						
II. Co	omposition and Communication						

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.

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

	Com	position	and Communication I	CIS/WRD	110	3	CIS/WRD 1	10 3
	Com	position	and Communication II	CIS/WRD	111	3	CIS/WRD 1	11 3
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	Quar	ntitative	Foundations					
	Stati	stical Infe	erential Reasoning					
IV. C	itizen	ship (one	e course in each area)					l l
			Culture & Citizenship in USA					
		al Dynan	<u> </u>					
		u. = ,						
			Total UK Core Hours					
21			D. H. et al. (1976)					
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	0	a, a co	Current				Proposed	
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iii		Single c	ourse outside home unit.		Sing	gle course ou	tside home uni	t.
iv		Multiple	e courses outside home unit.		<u></u> Ми	ltiple courses	outside home	unit.
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								Select one

⁷ A dean may submit a letter only when there is no educational unit below the college level, i.e. there are no departments/schools.

⁸ 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").

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							Select o	ne
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	If "Yes,	" pr	ovide the new language below.					
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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 Y							No 🔀
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5e			ajor's core course requirements anges in the grid below. If "No,"				Yes 🗌	No 🔀
	<u> </u>		te the specific changes in the gr					
			Current			Proposed		
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⁹ Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

¹⁰ 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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	rather than program th	ity Senate approved the change n mandatory. There is still a requis his is fulfilled through UKCore, to rtions of the program requirem	uirment for echnical ele	some typ	e of electives, and for t	he Civil Engi	neering
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5j	•	roposed change affect any track rid below. If "No," proceed to q		s," note th	e specific changes	Yes 🗌	No 🖂
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¹¹ Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

¹² Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

		Select one
		Select one
		Select one
5k	Provide the Bulletin language for the track.	

6. Semester by Semester Program

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

YEAR 1 – FALL: (e.g. "BIO 103; 3 credits")	UKCore: A&C (EGR 101) (1) EGR 102 (2) UKCore: C&C (CIS\WRD 110) (3) UKCore: QR QF(MA 113) (4) CHE 105 (4)	YEAR 1 – SPRING:	UKCore: A&C (EGR 103) (2) UKCore: C&C (CIS\WRD 111) (3) MA 114 (4) UKCore: Physical (PHY 231)(4) UKCore: Physical (PHY 241)(1) UKCore: Social Science (3)
YEAR 2 - FALL :	CE 211 (4) CHE 107 (3) EM 221 (3) MA 213 (4) CE 106 (3)	YEAR 2 – SPRING:	EM 302 (3) MNG 303 (1) MA 214 (3) PHY 232 (4) PHY 242 (1) UKCore: QR SIR (STA 381) (3)
YEAR 3 - FALL:	WRD 204 (3) EES 220 (4) CE 303 (3) CE 341 (4) CE 381 (3)	YEAR 3 - SPRING:	CE 331 (3) CE 351 (3) CE 382 (3) Engr Science Elective (3) Math or Science Elective (3)
YEAR 4 - FALL:	CE 461G (4) CE 471G (4) CE 48X (3) Design Elective (3) UKCore: Citizenship US (3)	YEAR 4 - SPRING:	CE 401(1) CE 429 (3) Design Elective (3) Technical Elective (3) UKCore: Humanities (3) UKCore: Citizenship Global Dynamics (3)

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	(With	in College)		
		Deparment of Civil Engineering Faculty	03/31/17	Reg Souleyrette, Chair / 7-5309 / souleyrette@uky.edu
				/ /
				/ /

		/	/	
7b	(Collaborating and/or Affected Units)			
		/	/	
		1	/	
		/	1	
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		'		
7c	(Senate Academic Council)	Date Approved	Coi	ntact Person Name
	Health Care Colleges Council (if applicable)			
	Undergraduate Council			

You will find the following information that supports/clarifies the proposed program change for Civil Engineering:

Admission Changes:

- 1) College of Engineering Associate Dean's letter concerning the changes to admission requirements.
- 2) Current/Proposed admission requirements to the Civil Engineering program (tracked changes). This is the wording that is found in the Civil Engineering Departmental Handbook.
- 3) Proposed admission requirements to the Civil Engineering program (clean version). This is the wording that will be found in the Civil Engineering Departmental Handbook.
- 4) Current and Proposed admission requirements to the Civil Engineering program. This is the wording that is/will be found in the University Bulletin.

Program Curriculum Changes:

- 5) Current Civil engineering Curriculum (131 total credit hours).
- 6) Current Civil engineering Curriculum (131 total credit hours) with changes highlighted.
- 7) Proposed Civil engineering Curriculum (128 total credit hours)

SACSCOC review:

- 8) SACSCOC Substantive Change checklist
- 9) Institutional Effectiveness reply to the SACSCOC Substantive Change



April 24, 2017

To Whom It May Concern

From: Kimberly W. Anderson,

Associate Dean for Administration and Academic Affairs

University of Kentucky

College of Engineering

371 Ralph G. Anderson Bldg. Lexington, KY 40506 P: 859-257-1864 F: 859-257-5727

F: 859-257-5727 www.engr.uky.edu

The programs in the College of Engineering have specific requirements for students to be admitted to their major from pre-major designation. These requirements are entitled "Engineering Standing". This past year, the Undergraduate Education Team (Directors of Undergraduate Studies) reviewed these criteria and have made the following changes in consultation with their faculty. In general, the proposed changes include the following: 1) More consistency among programs in wording to make the requirements clearer for the students, 2) Consistency among programs in GPA requirements and calculations of GPA's, and 3) In some cases, updated courses used for engineering standing calculations. Changes were also made in the Bulletin description that precedes the specific Engineering Standing requirements.

Attached is the original description of Engineering Standing for Civil Engineering along with the proposed changes.

Please do not hesitate to contact me if you have questions.



Current:

Engineering Standing Admission

Admission to engineering standing in a degree program is necessary in order to be granted a baccalaureate degree in engineering or computer science. Specific departmental requirements for admission to engineering standing are noted below. The same criteria are applied to transfer students with the equivalence of courses determined by the Director of Undergraduate Studies. A student must apply to the specific department for admission to engineering standing. Note: The cumulative gradepoint average includes all listed college-level work taken at the University of Kentucky or elsewhere.

Students can request qualification for engineering standing after completing the required set of standing courses in the first three semesters of the published curriculum in their chosen program. Each program can specify its engineering standing requirements, but no program may specify a GPA higher than 2.50 for engineering standing.

Requirements by a program for engineering standing may include many items, such as courses counted in the first three semesters, repeat options allowed, number of applications for engineering standing allowed, restrictions on taking upper-level courses, minimum course grades, etc. A student should refer to the UK Bulletin and the undergraduate advisor in their program of choice to identify the specific requirements.

Civil Engineering: Completion of CE 106, CE 211, CHE 105, CHE 107, EGR 103, EM 221, CIS/WRD 110, MA 113, MA 114, MA 213, PHY 231, PHY 241 with a minimum cumulative grade point average (GPA) of 2.50 in these classes and a C or better in each of them, as well as 45 or more semester credit hours. University repeat options may be utilized. Students who do not meet this GPA requirement may request consideration based upon departmental review if this core GPA is 2.25 or greater. Students are limited to two applications for engineering standing.

Proposed:

Engineering Standing Admission

Admission to engineering standing in a degree program is necessary in order to continue in upper level courses and to be granted a baccalaureate degree in engineering or computer science. Specific departmental requirements for admission to engineering standing are noted below and engineering standing applies to a specific program. Hence, receiving engineering standing in one program does not grant engineering standing in another. Students can request admission to engineering standing after completing the required set of pre-major courses in the first three semesters of the published curriculum in their chosen program. In addition to the requirements described below, each program may specify specific procedures for applying for engineering standing, submitting appeals, etc. Students should refer to the departmental handbook or their undergraduate advisor in their program of choice to identify these specific procedures.

<u>For Transfer Students</u>: The same criteria are applied to transfer students with the equivalence of courses reviewed by the Director of Undergraduate Studies. It is important to note if a student receives acceptance of transfer credit for one or more of the below listed courses, the grades earned will be used

in the calculation for engineering standing. Transfer students who have not completed all courses listed below may be considered for admission into courses that require engineering standing on a case-by-case basis.

Civil Engineering: A cumulative UK GPA of at least 2.5 and successful completion of all pre-major courses. Successful completion of the following pre-major courses with at least a 2.5 GPA: CE 106, CE 211, CHE 105, CHE 107, CIS/WRD 110, EGR 103, EM 221, MA 113, MA 114, MA 213, PHY 231, and PHY 241 and a C or better in each course. If a course is repeated, the best grade will be used for calculation of GPA in the above listed courses.

CIVIL ENGINEERING UNDERGRADUATE PROGRAM 2016-17 FRESHMAN YEAR

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TOTAL SEME	STER HOURS	131	
Semester Hours	17	Semester Hours	16
		UKCore: Citizenship Global Dynamics	3
UKCore: Citizenship US	3	Supportive Elective (6)	3
Design Elective (4)	3	Technical Elective (5)	3
CE 48X - Structures Elective (3)	3	Design Elective (4)	3
CE 471G - Soil Mechanics**	4	CE 429 - CE Systems Design**	3
CE 461G - Water Resources Engr**	4	CE 401 - Seminar**	1
First Semester	Hours	Second Semester	Hours
	Credit		Credit
	SENIOR Y	'EAR	
Semester Hours	17	Semester Hours	18
		UKCore: Humanities	3
CE 381 - CE Materials**	3	Math or Science Elective (2)	
CE 341 - Fluid Mechanics	4	Engr Science Elective (1)	3 3 3
CE 303 - Intro to Constr Engrg	3	CE 382 - Structural Analysis	3
EES 220 - Physical Geology	4	CE 351 - Intro Envr Engrg	3
WRD 204 - Technical Writing*	3	CE 331 - Transportation Engrg**	3
First Semester	Hours	Second Semester	Hours
	Credit		Credit
	JUNIOR Y	EAR	
Semester Hours	17	Semester Hours	15
6	4-	UKCore: QR SIR (STA 381- Intro Engg Statistics)	3
CE 106 - Computer Graphics/Comm	3	PHY 242 - Gen Univ Physics Lab	1
MA 213 - Calculus III	4	PHY 232 - Gen Univ Physics	4
EM 221 - Statics	3	MA 214 - Calculus IV	3
CHE 107 - Gen Coll Chem II	3	MNG 303 - Deformable Solids Lab	1
CE 211 - Surveying	4	EM 302 - Mech of Deform Solids	3
First Semester	Hours	Second Semester	Hours
First Occupation	Credit	0	Credit
	SOPHOMOR	E YEAK	.
Semester Hours	14	Semester Hours	17
Ourse des Hauss	4.4	UKCore: Social Science	3
CHE 105 - Gen Coll Chem I	4	UKCore: Physical (PHY 241 - Gen Univ Physics Lab)	1
UKCore: QR QF(MA 113 - Calculus I)	4	UKCore: Physical (PHY 231 - Gen Univ Physics)	4
UKCore: C&C (CIS\WRD 110 - Comp and Comm I)	3	MA 114 - Calculus II	4
EGR 102 - Fund Eng Computing	2	UKCore: C&C (CIS\WRD 111 - Comp and Comm II)	3
UKCore: A&C (EGR 101 - Engineering Expolation I)	1	UKCore: A&C (EGR 103 - Engineering Expolation II)	2
First Semester	Hours	Second Semester	Hours
	Credit		Credit

^{*} GCCR course

- (1) ME 220 Thermodynamics or EM 313 Dynamics
- (2) Math or Science Elective Options: MA 321, MA 322, MA 416G, MA 432G, BIO 208, CHE 230, CHE 236, EE 305, GEO 409G, GLY/EES 550, GLY/EES 585, MNG 551, or the other half of the Engineering Science Elective in (1). NOTE: MA 322 is required for a math minor.
- (3) CE 482 or CE 486G
- (4) Students are required to select two design electives from different areas. Chose from: CE 508, CE 531 or CE 533, CE 534, CE 549, CE 551, CE 579, CE 589. **Design elective courses are typically taught once a year.**
- (5) Technical Electives are to be chosen from any of the courses at the 300-level or above that carry a CE prefix and in which a student is qualified to enroll, exclusive of required courses. **Engineering elective courses are typically taught once a year.**
- (6) Supportive elective is to be chosen from any university course excluding more elementary versions of required courses such as precalculus mathematics or PHY 211. However, each CE area has at least one recommendation for the supportive elective. Please review the Optional Concentration section in the Civil Engineering Undergraduate Handbook. The supportive elective can be taken P/F.

^{**} CE communication throughout the curriculum component

CIVIL ENGINEERING UNDERGRADUATE PROGRAM 2016-18

proposed changes for 2018 and beyond are highligted

	FRESHM	AN YEAR		
	Credit		Credit	
First Semester	Hours	Second Semester	Hours	
UKCore: A&C (EGR 101 - Engineering Expolation I)	1	UKCore: A&C (EGR 103 - Engineering Expolation II)	2	
EGR 102 - Fund Eng Computing	2	UKCore: C&C (CIS\WRD 111 - Comp and Comm II)	3	
UKCore: C&C (CIS\WRD 110 - Comp and Comm I)	3	MA 114 - Calculus II	4	
UKCore: QR QF(MA 113 - Calculus I)	4	UKCore: Physical (PHY 231 - Gen Univ Physics)	4	
CHE 105 - Gen Coll Chem I	4	UKCore: Physical (PHY 241 - Gen Univ Physics Lab)	1	
		UKCore: Social Science	3	
Semester Hours	14	Semester Hours	17	
	SOPHOM	ORE YEAR		
	Credit		Credit	
First Semester	Hours	Second Semester	Hours	
CE 211 - Surveying	4	EM 302 - Mech of Deform Solids	3	
CHE 107 - Gen Coll Chem II	3	MNG 303 - Deformable Solids Lab	1	
EM 221 - Statics	3	MA 214 - Calculus IV	3	
MA 213 - Calculus III	4	PHY 232 - Gen Univ Physics	4	
CE 106 - Computer Graphics/Comm	3	PHY 242 - Gen Univ Physics Lab	1	
		UKCore: QR SIR (STA 381- Intro Engg Statistics)	3	
Semester Hours	17	Semester Hours	15	
	JUNIO	R YEAR		
	Credit		Credit	
First Semester	Hours	Second Semester	Hours	
WRD 204 - Technical Writing*	3	CE 331 - Transportation Engrg**	3	
EES 220 - Physical Geology	4	CE 351 - Intro Envr Engrg	3	
CE 303 - Intro to Constr Engrg	3	CE 382 - Structural Analysis	3	
CE 341 - Fluid Mechanics	4	Engr Science Elective (1)	3	
CE 381 - CE Materials**	3	Math or Science Elective (2)	3	
		UKCore: Humanities	3	moved
Semester Hours	17	Semester Hours	18	
	SENIO	R YEAR		
	Credit		Credit	
First Semester	Hours	Second Semester	Hours	
CE 461G - Water Resources Engr**	4	CE 401 - Seminar**	1	
CE 471G - Soil Mechanics**	4	CE 429 - CE Systems Design**	3	
CE 48X - Structures Elective (3)	3	Design Elective (4)	3	
Design Elective (4)	3	Technical Elective (5)	3	
UKCore: Citizenship US	3	Supportive Elective (6)	3	deleted
		UKCore: Citizenship Global Dynamics	3	
Semester Hours	17	Semester Hours	16	

* GCCR course

(1) ME 220 - Thermodynamics or EM 313 - Dynamics

** CE communication throughout the curriculum component

(2) Math or Science Elective Options: MA 321, MA 322, MA 416G, MA 432G, BIO 208, CHE 230, CHE 236, EE 305, GEO 409G, GLY/EES 550, GLY/EES 585, MNG 551, or the other half of the Engineering Science Elective in (1). NOTE: MA 322 is required for a math minor.

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- (3) CE 482 or CE 486G
- (4) Students are required to select two design electives from different areas. Chose from: CE 508, CE 531 or CE 533, CE 534, CE 549, CE 551, CE 579, CE 589. Design elective courses are typically taught once a year.
- (5) Technical Electives are to be chosen from any of the courses at the 300-level or above that carry a CE prefix and in which a student is qualified to enroll, exclusive of required courses. **Engineering elective courses are typically taught once a year.**
- (6) Supportive elective is to be chosen from any university course excluding more elementary versions of required courses such as precalculus mathematics or PHY 211. However, each CE area has at least one recommendation for the supportive elective. Please review the Optional Concentration section in the Civil Engineering Undergraduate Handbook. The supportive elective can be taken P/F.

deleted

CIVIL ENGINEERING UNDERGRADUATE PROGRAM 2018-19 proposed FRESHMAN YEAR

C== d:+

E 0		redit		Credit
<u>First Semester</u>		ours	Second Semester	Hours
UKCore: A&C (EGR 101 - Enginee	ring Expolation I)	1	UKCore: A&C (EGR 103 - Engineering Expolation II)	2
EGR 102 - Fund Eng Computing		2	UKCore: C&C (CIS\WRD 111 - Comp and Comm II)	3
UKCore: C&C (CIS\WRD 110 - Cor		3	MA 114 - Calculus II	4
UKCore: QR QF(MA 113 - Calculus	S I)	4	UKCore: Physical (PHY 231 - Gen Univ Physics)	4
CHE 105 - Gen Coll Chem I		4	UKCore: Physical (PHY 241 - Gen Univ Physics Lab)	1
			UKCore: Social Science	3
Semester Hours		14 	Semester Hours	17
		PHOMORI	E YEAR	
-		redit		Credit
<u>First Semester</u>	H	ours	Second Semester	Hours
CE 211 - Surveying		4	EM 302 - Mech of Deform Solids	3
CHE 107 - Gen Coll Chem II		3	MNG 303 - Deformable Solids Lab	1
EM 221 - Statics		3	MA 214 - Calculus IV	3
MA 213 - Calculus III		4	PHY 232 - Gen Univ Physics	4
CE 106 - Computer Graphics/Comm	n	3	PHY 242 - Gen Univ Physics Lab	1
			UKCore: QR SIR (STA 381- Intro Engg Statistics)	3
Semester Hours		17	Semester Hours	15
		JUNIOR Y	EAR	
	Cı	redit		Credit
<u>First Semester</u>	H	ours	Second Semester	Hours
WRD 204 - Technical Writing*		3	CE 331 - Transportation Engrg**	3
EES 220 - Physical Geology		4	CE 351 - Intro Envr Engrg	3
CE 303 - Intro to Constr Engrg		3	CE 382 - Structural Analysis	3
CE 341 - Fluid Mechanics		4	Engr Science Elective (1)	3
CE 381 - CE Materials**		3	Math or Science Elective (2)	3
Semester Hours		17	Semester Hours	15
		SENIOR Y	EAR	
	Cı	redit		Credit
<u>First Semester</u>	H	ours	Second Semester	Hours
CE 461G - Water Resources Engr*	*	4	CE 401 - Seminar**	1
CE 471G - Soil Mechanics**		4	CE 429 - CE Systems Design**	3
CE 48X - Structures Elective (3)		3	Design Elective (4)	3
Design Elective (4)		3	Technical Elective (5)	3 3
UKCore: Citizenship US		3	UKCore: Humanities	3
			UKCore: Citizenship Global Dynamics	3
Semester Hours		17	Semester Hours	16
	TOTAL SEMESTE	R HOURS	128	

^{*} GCCR course

- (1) ME 220 Thermodynamics or EM 313 Dynamics
- (2) Math or Science Elective Options: MA 321, MA 322, MA 416G, MA 432G, BIO 208, CHE 230, CHE 236, EE 305, GEO 409G, GLY/EES 550, GLY/EES 585, MNG 551, or the other half of the Engineering Science Elective in (1). NOTE: MA 322 is required for a math minor.
- (3) CE 482 or CE 486G
- (4) Students are required to select two design electives from different areas. Chose from: CE 508, CE 531 or CE 533, CE 534, CE 549, CE 551, CE 579, CE 589. **Design elective courses are typically taught once a year.**
- (5) Technical Electives are to be chosen from any of the courses at the 300-level or above that carry a CE prefix and in which a student is qualified to enroll, exclusive of required courses. **Engineering elective courses are typically taught once a year.**

^{**} CE communication throughout the curriculum component

Department of Civil Engineering Faculty meeting 03/31/17

Present: Berry, Blandford, Bryson, Chen, Dadi, Davis, Erhardt, Fox, Gesund, Graves, Harik, Mahboub, Maloney, Ormsbee, Pennell, Souleyrette, Taylor, Wang, Wright, Yost

AGENDA

- 1. Joint Architecture/CE "building science" grad program proposal (Reg and Tim)
 - a. Souleyrette updated on meeting with Department Chairs and the Dean (see attached for complete proposal-below)
 - Pennell thought it would work better between departments within the same college, but would be difficult across colleges
 - Currently offer environmental certificate
 - Certificate would be more of a benefit to ARC then Engr.
- 2. Debrief from Civil Engineering Advisory Committee Meeting
 - a. Diversify the CEIAC committee (new members)
 - b. Initiative to improve space
 - c. Introduction of Gail Brion as new DUS
 - d. Yost presented update of undergraduate program
 - e. Faculty can join the meetings with CEIAC at any time.
 - f. Interviews with senior and assist with design class
 - Students complain about rooms being too hot and slow computers
 - Students were positive about the faculty
 - g. Upcoming Awards Banquet, April 29, 2017
- 3. Update on Structures Faculty Search (Harik)
 - a. 220+ applicants
 - b. Inviting top three applicants, beginning April 19th
- 4. Facilities and Space, esp. senior design (Bill, with Sam and Reg)
 - a. Moving forward ideas
 - severe lack of space to grow the department
 - Convert room 228 to design lab for students and collaborative space
 - looking to redesign the Grad Student office on 3rd floor
 - place decking over the atrium on each floor
 - Mahboub will be the lead on space survey after Maloney's retirement
 - DVT renovation
 - Mood board
- 5. Education (Yost)
 - a. University wants to have an additional requirement on inclusivity under general education

- b. Yost will be on sabbatical next year encouraged faculty to collect ABET data in the fall
- c. Education team

CPE mandates that programs cannot have more than 120 credit hours, with some exceptions for certain programs (STEM). However they must not exceed 128 credit hours. The education team has looked at various options to comply with the CPE mandate, one of which was eliminating the supportive elective.

- Senate Council recently approved the COE proposal to change the "free elective" graduation requirement to just an "elective". It now goes to the full senate for approval. *Pending the Senate approval*, the CE faculty would like to remove the supportive (free) elective from the program to reduce the total credit hours to 128.
- As this proposal was not circulated 10 prior to the faculty meeting, motion to waive the 10-day rule for review so that the faculty could consider the change in the curriculum.
- Faculty voted to waiver of the 10-day rule (unanimous)
- Motion to eliminate the supportive (free) electives and reduce the required credits from 131 to 128, with second and some discussion.
- Vote to approve, pending Senate approval: 15 yay; 1 abstain



Substantive Change Checklist¹

Substantive change, according to the Commission on Colleges of the Southern Association of Colleges and Schools (SACSCOC or SACS), is "a significant modification or expansion of the nature and scope of an accredited institution." Substantive change is a federal concept, based in the regulations of the U.S. Department of Education, which regional accreditors are required to enforce.

The University is required to submit any substantive change to SACS for review, and in some cases approval, prior to implementation of such substantive change. As noted by SACS:

"if an institution fails to follow the substantive change policy and procedures of the Commission on Colleges, it may lose its Title IV funding or be required by the U.S. Department of Education to reimburse it for money received by the institution for programs related to the unreported substantive change. In addition, the institution's case may be referred to the Commission for the imposition of a sanction or for removal from membership."

Checklist Instructions: To ensure substantive change compliance, individuals should complete the checklist on the following pages in the early stages of any proposal (e.g. new degree program, new certificate program, etc.) or curricular revision. Upon completion, the form must be submitted to the associate provost for institutional effectiveness or designee by e-mail to InstitutionalEffectiveness@uky.edu. A determination as to whether the proposed program or changes to the existing program constitutes a substantive change will be made within seven (7) business days of receipt and next steps will be communicated accordingly.

Questions concerning substantive change are to be directed to Dr. GT Lineberry, associate provost for faculty advancement and institutional effectiveness (stitutional-effectiveness (stitutional-effectiveness (stitutional-effettiveness (<a href="mailto:stitutiona-effettiveness"

Last updated: 8/8/2014

¹ Adapted, with appreciation, from University of Virginia's "Substantive Change Checklist."

² See <u>Substantive Change for Accredited Institutions of the Commission on Colleges: Policy Statement</u>, p. 1.

³ See 34 C.F.R. § 602.22.

⁴ See <u>Substantive Change for Accredited Institutions of the Commission on Colleges: Policy Statement</u>, p. 9.

University of Kentucky

Substantive Change Checklist

Instructions: Email completed form to: linetitutionalEffectiveness@uky.edu, Subject line: SACSCOC Sub Change

Questions concerning substantive change are to be directed to Dr. GT Lineberry, associate provost for faculty advancement and institutional effectiveness (gt.lineberry@uky.edu) and Dr. Mia Alexander-Snow, director of planning and institutional effectiveness (mia.alexander-snow@uky.edu).

Name of Proposed Program/Action: Civil Engineering Program/ reducing the credit hours from 131 to 128.

Total number of Credit hours for Degree Completion (if applicable): 131

Total number of Credit Hours for Program Major (if applicable):

Sponsoring College: Engineering

College/Department Contact: Scott Yost 257-4816, or, if unavailable contact Gail Brion 257-4467

Date: 04/13/17

SACSCOC Substantive Change Items	Yes	No	Don't Know	Provide brief explanation (if necessary)
The proposed program or existing program requires a number of new faculty.		Х		
More than 25 percent of the required courses for the proposed or existing program are new.		Х		
More than 50 percent of the required courses for the proposed or existing program are new.		Х		
The proposed or existing program requires new library or other learning resources.		X		

Last updated: 8/8/2014

SACSCOC Substantive Change Items			Don't	Provide brief explanation
		No	Know	(if necessary)
The proposed or existing program requires new equipment or facilities.		X		
The proposed or existing program requires a new resource base.		X		
The proposed or existing program will initiate a <u>branch</u> <u>campus</u> .		X		
The proposed or existing program will initiate a <u>dual degree</u> program <u>with another institution</u> .		X		
The proposed or existing program will initiate a <u>joint degree</u> program <u>with another institution</u> .		Х		
The proposed or existing program will initiate a <u>certificate</u> <u>program</u> ? (if yes, answer the following)		Х		
 Will the proposed certificate program utilize existing courses? 				
 Will the proposed certificate program be offered at a new off-Grounds site? 				
 Does the proposed certificate program represent a significant departure from previously approved programs? 				
The proposed or existing program will be initiated at a new off-Grounds site? (if yes, answer the following)		X		
 Will a student be able to earn 50 percent or more of program credits at the site? 				
 Will a student be able to earn 25 to 49 percent of program credits at the site? 				

SACSCOC Substantive Change Items	Yes	No	Don't Know	Provide brief explanation (if necessary)
 Will a student be able to earn 24 percent or less of program credits at the site? 	103	140	KIIOW	(**************************************
The proposed or existing program will be at an <u>existing off-</u> <u>Grounds site</u> ? (if yes, answer the following)		X		
 Does the proposed program represent a significant departure from previously approved programs [at the existing site]? 				
The proposed or existing program will be offered via distance education. (if yes, answer the following)		X		
 Will more than 50 percent of the program be offered via distance education? 				
 Will 25-49 percent of the program be offered via distance education? 				
 Will less than 25 percent of the program be offered via distance education? 				
The proposed or existing program or courses will be initiated through contractual agreement or consortium.		X		
The proposed or existing program_will relocate an existing off-Grounds site.		X		
The change to the existing program will <u>significantly alter the</u> <u>length of the currently approved program</u> .			X	The proposed change is to reduce the total number of credit hours to 128. Currently the total program credit hours are 131.
The proposed or existing program will initiate a degree completion program.		Х		
The proposed program will close an existing program.		X		

Yost, Scott A

To: Weber, Ann D

Subject: RE: SACSCOC Sub Change - Civil Engineering

From: Weber, Ann D

Sent: Monday, April 17, 2017 9:16 AM
To: Yost, Scott A <scott.yost@uky.edu>
Cc: Lineberry, Gene <gt.lineberry@uky.edu>

Subject: RE: SACSCOC Sub Change - Civil Engineering

Dear Scott,

Thank you for the additional documentation. Based on that and your completed checklist, I agree with your assessment that this does not represent a substantive change that needs to be reported to SACS-COC. This email represents confirmation that you have followed UK's substantive change policy and can move forward with the next stage of the process.

Please feel free to contact me if you have any further questions.

Best,

Annie

Annie Davis Weber, Ed.D.

Assistant Provost for Strategic Planning & Institutional Effectiveness

University of Kentucky 355B Patterson Office Tower Lexington, KY 40506

Phone: (859) 257-1962 Email: ann.weber@uky.edu