

The SAASC convened on Friday, April 13, 2018 to consider a proposal from the College of Engineering, Department of Chemical and Materials Engineering (Chemical Engineering program) to change credit hours to 128.

Attendance: Dan Morey, David Hulse, Dan Howe, Kevin Donohue, Brad Kerns, Rebecca Kellum, Herman Farrell (Chair), Annie Davis Weber (ex-officio).

Procedure:

Herman Farrell acted as facilitators of the proposal.

Discussion:

Farrell noted that this proposal is similar to other proposals from the College of Engineering recently approved by the SAASC, SC and US involving a reduction in total credit hours for a specific engineering program in order to comply with a CPE mandate that the total credit hours not exceed 128. The supportive elective (3 credit hours) will no longer be required. This proposal also involves reducing the credit hours of two core chemical and engineering courses from 4 credit hours to 3 credit hours. The committee confirmed that the reduction in credit hours for those courses had been approved through SAPC.

Vote:

A motion was made and seconded that the SAASC approve the proposal from the College of Engineering, Department of Mining Engineering to change credit hours to 128.

The committee voted 7 in favor, 0 opposed.

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 (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 OF CHANGES

Check all that apply.

- Courses
 Program name
 Total required credit hours
 Student learning outcomes
 Criteria for admissions/progression/termination
 Certificate assessment
 Other

1. General Information

1a	Date of contact with Institutional Effectiveness (IE) ¹ :		9/8/2017	
	<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 :	Chemical and Materials Engineering
1c	CIP code ³ :	14.0701	Today's Date:	9/12/17
1d	Current major name: (Biology, Design, etc.)	Chemical Engineering	Proposed major name:	Chemical Engineering
1e	Current Degree (BA, BFA, etc.):	Bachelor of Science in Chemical Engineering	Proposed degree:	Bachelor of Science in Chemical Engineering
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		
1h	Date of most recent periodic program review for this degree:		October 2016	
1i	Requested effective date:	<input checked="" type="checkbox"/> Fall semester following approval.	OR	<input type="checkbox"/> Specific Date ⁴ : 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.

CHANGE UNDERGRADUATE DEGREE PROGRAM

1j	Contact person name: Barbara Knutson	Phone / Email: 257-5715 / bknut2@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)

The proposed curriculum changes are being implemented to adhere to the Council on Postsecondary Education's mandate of a 128 credit hour limit on degree programs. We will remove our supportive elective and reducing the credit-hours of two core chemical engineering courses from 4 credit hours to 3 credit hours.

2b Use the fields below, as applicable, to identify the areas in which changes will be made.

		Current	Proposed
i.	Credit Hours of Premajor Courses:	43	43
ii.	Credit Hours of Preprofessional Courses:		
iii.	Credit Hours of Major Core Course Requirements	57	55
iv.	Minimum Credit Hours of Guided Electives:	12	12
v.	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):		
x.	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: 34	34
		300-level: 10	9
		400-level: 30	29
		500-level: 3	3

<p>TOTAL CREDIT HOURS REQUIRED FOR GRADUATION:</p>	<p><u>133*</u></p> <p><u>*Credit hours by level do not include UK core or elective requirements where the level is unknown</u></p>	<p><u>128*</u></p>
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xv. If the total hours required for graduation have changed, explain below. (150 word limit)

This curriculum change is in response to the mandated limit of 128 credit hours for degree programs, to be implemented in Fall 2018.

2c Will the requested change(s) result in the use of courses from another educational unit? Yes No

If "Yes," describe generally the courses and how they will used.

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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. Course Sharing

3a. Will the requested changes result in the use of courses from another unit? Yes No

If "Yes," describe generally the courses and how they will 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 other units' chair/director⁶ 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 the other unit has consent from the faculty members of the unit. This typically takes the form of meeting minutes.

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	CIS/WRD 110	3
Composition and Communication II	CIS/WRD 111	3	CIS/WRD 111	3
III. Quantitative Reasoning				
Quantitative Foundations				
Statistical Inferential Reasoning				
IV. Citizenship (one course in each area)				

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.

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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' chair/director⁷ 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 ⁸
						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.

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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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 <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<i>Current</i>			<i>Proposed</i>				
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ⁹	
						Select one....	
						Select one....	
						Select one....	
						Select one....	
						Select one....	
5d	Provide the Bulletin language about pre-major or pre-professional courses below.						
5e	Will the major's core course requirements change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5g.)					Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	If "Yes," note the specific changes in the grid below.						
<i>Current</i>			<i>Proposed</i>				
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ¹⁰	
CME 006	0	Engineering Profession (3 semesters)	CME 006	0	Engineering Profession (3 semesters)	No Change	
						Select one....	
CME 220	3	Computational Tools in Chemical Engineering	CME 220	3	Computational Tools in Chemical Engineering	No Change	
CME 320	4	Engineering Thermodynamics	CME 320	3	Engineering Thermodynamics	Change	
CME 330	3	Fluid Mechanics	CME 330	3	Fluid Mechanics	No Change	
CME 415	3	Separation Processes	CME 415	3	Separation Processes	No Change	
CME 420	3	Process Modeling	CME 420	3	Process Modeling	No Change	
CME 425	4	Heat and Mass Transfer	CME 425	4	Heat and Mass Transfer	No Change	
CME 432	2	Chemical Engineering Lab I	CME 432	2	Chemical Engineering Lab I	No Change	
CME 433	3	Chemical Engineering Lab II	CME 433	3	Chemical Engineering Lab II	No Change	
CME 455	3	Chemical Engineering Process Design I	CME 455	3	Chemical Engineering Process Design I	No Change	

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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CME 456	4	Chemical Engineering Process Design II	CME 456	3	Chemical Engineering Process Design II	Change
CME 462	3	Process Control	CME 462	3	Process Control	No Change
CME 470	2	Professionalism, Ethics, and Safety	CME 470	2	Professionalism, Ethics, and Safety	No Change
CME 550	3	Chemical Reactor Design	CME 550	3	Chemical Reactor Design	No Change

5f Provide the Bulletin language for major core course requirements.
 *Unchanged
 Note that the following major's course requirements are also unchanged: CME 230 Organic Chemistry [3], CHE 231 Organic Chemistry Lab I [1], CHE 232 Organic Chemistry II [3], CHE 446G Physical Chemistry for Engineers [3]; MA 214 Calculus IV [3], and PHY 232 General University Physics [4] are also unchanged in the list above.

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 ¹¹
						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
 The 3 credit hour supportive elective will be removed from the curriculum.

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: New Track Changed Track Deleted Track

Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status ¹²
						Select one....

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.

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						Select one....
						Select one....
						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 [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")	CIS/WRD 110 [3] MA 113 [4] EGR 101 [1] EGR 102 [2] CHE 105 [4] CHE 111 [1]	YEAR 1 – SPRING:	<i>CIS/WRD 111 [3] MA 114 [4] EGR 103 [2] PHY 231 [4] UK Core [3]</i>
YEAR 2 - FALL :	CME 200 [3] MA 213 [4] CHE 107 [3] CHE 113 [2] MSE 201 [3] UK Core [3]	YEAR 2 – SPRING:	<i>CME 220 [3] CME 320 [3] MA 214 [3] PHY 232 [4] STA 381 [3]</i>
YEAR 3 - FALL:	CME 330 [3] CME 415 [3] CHE 230 [3] CHE 231 [1] CHE 446G [3] WRD 204 [3]	YEAR 3 - SPRING:	<i>CME 006 [0] CME 420 [3] CME 425 [4] CME 432 [2] CHE 232 [3] Eng/Science Elective [3]</i>
YEAR 4 - FALL:	CME 006 [0] CME 433 [3] CME 455 [3] CME 470 [2] CME 550 [3] UK Core [3] Eng/Science Elective [3]	YEAR 4 - SPRING:	<i>CME 006 [0] CME 456 [3] CME 462 [3] UK Core [3] Eng/Sciecne Elective [3] Eng/Sciecne Elective [3]</i>

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)		
	Chemical & Materials Engineering	08/17/2017	Doug Kalika / 7-5507 / douglass.kalika@uky.edu
	College of Engineering	11/02/2017	Kim Anderson / 7/1864 / kimberly.anderson@uky.edu

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			/	/
			/	/
7b	(Collaborating and/or Affected Units)			
			/	/
			/	/
			/	/
			/	/
			/	/
7c	(Senate Academic Council)	Date Approved	Contact Person Name	
	Health Care Colleges Council (if applicable)			
	Undergraduate Council	3/6/18	Joanie Ett-Mims	

KNUTSON, BARBARA

From: Weber, Ann D
Sent: Friday, September 08, 2017 11:23 AM
To: KNUTSON, BARBARA
Cc: OSPIE
Subject: RE: SACSCOC Sub Change

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Barbara,

Thank you for resending your Substantive Change Checklist. I have reviewed the document and agree that this proposed change does not meet the criteria for a reportable substantive change.

Please feel free to move your proposal on to the next step. If you have any questions, please let me know.

Thanks,

Annie

Annie Davis Weber, Ed.D.
Assistant Provost for Strategic Planning & Institutional Effectiveness
SACSCOC Accreditation Liaison

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

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

From: KNUTSON, BARBARA
Sent: Friday, September 08, 2017 11:18 AM
To: OSPIE <ospie@l.uky.edu>
Cc: Brandenburg, Barbara J <barbara.brandenburg@uky.edu>
Subject: FW: SACSCOC Sub Change

I understand that the address listed on the Substantive Change Checklist is incorrect, so I am sending this information again.

Please find attached the Substantive Change Checklist for the undergraduate program in Chemical Engineering. The proposed curriculum changes are being implemented to adhere to the Council on Postsecondary Education's mandate of a 128 credit hour limit on degree programs. We will be removing our supportive elective and reducing the credit-hours of two core chemical engineering courses from 4 credit hours to 3 credit hours.

Regards,

Barbara

Barbara Knutson
Professor
University of Kentucky
Department of Chemical and Materials Engineering
177 Anderson Hall
Lexington, KY 40506
Office: (859) 257-5715 FAX: (859) 323-1929

From: KNUTSON, BARBARA
Sent: Tuesday, September 05, 2017 11:05 AM
To: 'Institutional Effectiveness'
Subject: SACSCOC Sub Change

Please find attached the Substantive Change Checklist for the undergraduate program in Chemical Engineering. The proposed curriculum changes are being implemented to adhere to the Council on Postsecondary Education's mandate of a 128 credit hour limit on degree programs.

Regards,

Barbara

Barbara Knutson
Professor and Director of Undergraduate Studies
University of Kentucky
Department of Chemical and Materials Engineering
177 Anderson Hall
Lexington, KY 40506
Office: (859) 257-5715 FAX: (859) 323-1929

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**Department of Chemical and
Materials Engineering**

*177 Anderson Hall
Lexington, KY 40506-0046
(859) 257-5507
douglass.kalika@uky.edu*

TO: Prof. Kim Anderson, Associate Dean for Administration and Academic Affairs

RE: Approval of Program Change (128 hours) – BS in Chemical Engineering

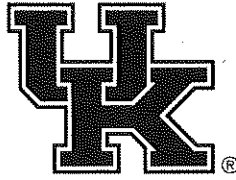
On August 17, 2017, the faculty of the Department of Chemical and Materials Engineering met to review the proposed program change for the BS degree program in Chemical Engineering (re: 128-hour curriculum). At the conclusion of the discussion, the faculty voted 14-0-3 (three abstentions) in favor of the proposed curriculum.

The following faculty were unable to attend the meeting: Professor Anderson; Professor Andrews. The Paducah faculty (Elsayed, Englert, Hwang and Seay) were represented by Prof. David Silverstein, who attend the faculty meeting in Lexington.

Sincerely,

Doug Kalika

Douglass S. Kalika, Professor and Chair
Department of Chemical and Materials Engineering



University of Kentucky
College of Engineering
Office of the Dean

351 Ralph G. Anderson Bldg.
Lexington, KY 40506-0503
P: 859-257-1687
F: 859-257-5727
www.engr.uky.edu

November 2, 2017

To Whom It May Concern:

The College of Engineering faculty reviewed the program change for Chemical Engineering via email. There were no concerns or objections raised. The date of approval is November 2, 2017.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kimberly Anderson', with a long horizontal flourish extending to the right.

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

see blue.

An Equal Opportunity University