

## Brothers, Sheila

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**From:** Farrell, Herman  
**Sent:** Tuesday, February 20, 2018 1:00 PM  
**To:** Brothers, Sheila; McCormick, Katherine  
**Cc:** Hubbard, Brad; Anderson, Kimberly  
**Subject:** 8 Proposals

The SAASC convened on Friday, February 16, 2018 to consider 8 proposals from the College of Engineering involving changes to the Engineering Standing Admission (from pre-major to major) policy for the entire college and specific changes to the course requirements, GPA calculation and the over all GPA requirement for the following undergraduate engineering programs: Biosystems Engineering, Chemical Engineering, Computer Engineering, Computer Science, Electrical Engineering, Materials Engineering, Mechanical Engineering, Mining Engineering.

Attendance: Dan Morey, David Hulse, Dan Howe, Fred Danner, Kevin Donohue, Brad Hubbard, Brad Kerns, Rebecca Kellum, Herman Farrell (Chair).

### Procedure:

Brad Hubbard served as the facilitator of the proposal. He corresponded with Dr. Kim Anderson, the contact person for the proposal.

### Discussion:

Brad Hubbard reviewed the proposals, noting that the College of Engineering was seeking to revise its Engineering Standing policy and to provide more consistency of requirements for the 8 undergraduate programs. "Engineering Standing" is achieved once a student has successfully completed pre-major course requirements and is admitted to the major. This proposal involves changes in the wording of the Engineering Standing Admission policy for the entire college as well as specific changes (course requirements, calculation of GPA, overall GPA requirement of 2.5) for each undergraduate program.

It was noted by Brad Hubbard and the Chair that the Undergraduate Council supported the proposed changes, but in a 2 page memo, addressed to the SAASC, raised a variety of issues concerning the 4 and 6 year graduation percentages for engineering students, the communication of the length of study to incoming students and the path forward for students who are not retained in the college in their second fall term. Dr. Anderson provided an email that she had submitted in December responding to each of the UC's stated concerns. After reviewing and discussing those concerns, the chair and the committee were satisfied with the responses.

A discussion ensued regarding the issues raised by the UC regarding the transparency of admissions requirements and the communication of frank assessments of graduation rates and anticipated years of study (4-6) for various programs. The SAASC will continue to monitor these issues that affect admissions and academic standards for students across the university and will, if deemed necessary, consider addressing changes to policy and procedures on a university-wide basis.

### Vote:

A motion was made and seconded that the SAASC approve the 8 proposals from the College of Engineering involving changes to the Engineering Standing Admission (from pre-major to major) policy for the entire college and specific changes to the course requirements, GPA calculation and the over all GPA requirement for the following undergraduate engineering programs: Biosystems Engineering, Chemical Engineering, Computer Engineering, Computer Science, Electrical Engineering, Materials Engineering, Mechanical Engineering, Mining Engineering.

The committee voted 9 in favor, 0 opposed.

Herman Farrell  
SAASC, Chair

***Herman Daniel Farrell III***  
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## Memo

To: Senate's Admissions and Academic Standards Committee (SAASC)

From: Undergraduate Council

Date: October 31, 2017

Re: College of Engineering Admissions Changes

The Undergraduate Council has reviewed the proposal(s) from the College of Engineering relative to Admissions and other changes to a number of undergraduate programs in the college. The Undergraduate Council approved the proposal(s). In addition, a primary discussion point was raised particularly relative to the Admissions requirements and process during the Undergraduate Council review. The Undergraduate Council is providing this memo simply for your information so you know that we had a discussion and felt your committee was more appropriate to determine if the discussion has any merit(s) in the context of other interested parties on campus that can provide additional points of view.

It is not possible for an entering freshman to graduate with an engineering degree unless the student meets a number of requirements or passes a number of stages. The Bulletin [http://www.uky.edu/registrar/sites/www.uky.edu/registrar/files/engineering\\_6.pdf](http://www.uky.edu/registrar/sites/www.uky.edu/registrar/files/engineering_6.pdf) does layout a number of admissions items. What was striking is the number of 'admissions categories' a student is in prior to actually being able to be in a position to actually earn an engineering degree. There are the university admissions requirements, minimum requirements for admission into the College of Engineering (page 237), the First -Year Engineering Program, then the student can declare a major based on interest, and upon declaring their major, the student will be designated as a "pre-major" until they meet engineering admissions standing requirements. Each engineering program then has different course requirements and all programs have a 2.5 GPA requirement. After this is all completed successfully a student could then be considered a \_\_\_\_\_ Engineering Major. The current proposal has modified the course requirements across programs and indicates they have sought more consistency across the programs. At least one program indicated a handbook with additional information and it is unknown as to what is contained in the handbook. Currently, at least one program indicates that students are limited to two applications for engineering standing.

The university admissions print application <http://www.uky.edu/admission/sites/www.uky.edu/admission/files/16-07-06%20Application%20Packet%20FINAL.PDF> does indicate that "Admission to the College of Engineering is selective. Contact college for deadlines and additional information." The Program Sheet for Chemical Engineering <https://www.engr.uky.edu/wp-content/blogs.dir/67/files/2016/06/Curriculum-Chemical-Engineering-2016.pdf> and others indicates others "Admission to the degree program is selective. Students should refer to the UK Bulletin for general information concerning admission and graduation requirements." The question for the Undergraduate Council was if this is clear enough to make an informed decision for freshman and other applicants at the time of application to the University of Kentucky?

Several UK programs in a variety of colleges have selective admissions. A selective admission approach is not what is being debated or questioned here. The question here is if a prospective student is fully aware of the multiple stages/hurdles to essentially being admitted to a student standing status where he or she could actually earn an engineering degree from the University of Kentucky when making initial application to the institution. Is the institution in this case communicating clearly enough so that prospective and current students realize they are likely several years away from even being an official “\_\_\_\_\_ Engineering” major and need to go through several additional stages of “Admissions” to earn a degree once admitted to the University of Kentucky?

There was also a question raised about what happens to the students that are not admitted to the College of Engineering that were on the path to be admitted? About 30% of the students are not retained in college to the second fall term according to the data available in Tableau (attached below). What is the path forward for these students from a student success at UK point of view? There was nothing in the proposal indicating as to what is going to or currently happens to them? This might not be expected in a proposal such as this but the Undergraduate Council pondered the question. At least some members of the Undergraduate Council asked what is the assessment plan for student success to see if these new / revised admissions requirements are working? Again maybe not considered relevant for the proposal before us but the question was also pondered by the Undergraduate Council. Will the new admissions regimen be the most effective in increasing student success and how will the institution know and adapt as necessary? This is important because of the following statistics. Approximately 20% of the students entering the College of Engineering graduate in 4-years and 47% graduate in six-years, currently. Is our institution giving a false sense of student progress and student success with the current admissions process / requirements in the context of graduation rates at this time? Would changing the minimum entry requirements for admission to the College of Engineering be effective at increasing the retention as well as 4-year and 6-year graduation percentages? For example, an ACT math score of 23 does not get the student into MA 113 – Calculus I here at UK. Every undergraduate program in the College of Engineering requires MA 113 except one, which requires MA 114 (MA 113 or others with a grade of C or better) is a prerequisite). An ACT math of 23 is currently a starting point for MA 110, which may or may not even be an appropriate starting point. What if a student uses all of his/her repeat options attempting to meet the math requirement and is not successful?

It is fine to provide more admissions consistency across programs as indicated in the College’s proposal(s) submitted. Although a more comprehensive understanding and potential re-envisioning of the entire admissions process/requirements could be of great value to the students, the College of Engineering, and the University of Kentucky. We hope your committee will consider this point of view with input from other interested parties as you review the materials. We hope that you will work with the College of Engineering and other interested parties (Math Department, for example) to identify potential ways to increase the retention as well as the 4 and 6-year graduation percentages.

## College Retention and Graduation Rates with Preliminary Data

These charts give the numbers and percentages of students within the cohort who retained or graduated from the same College in which they started their 1st Fall semester.

College (1st Fall Primary)			Department (1st Fall Primary)								Major (1st Fall Primary)		
Engineering			All								All		
<b>College Retention and Graduation Numbers</b>											Residency	Gender	
Cohort Term	Cohort Size	Cohort Size with Exclusions	Retained in College 1st Spring	Retained in College 2nd Fall	Retained in College 3rd Fall	Retained in College 4th Fall	Retained in College 5th Fall	Graduated in College 4 Years	Graduated in College 5 Years	Graduated in College 6 Years	All	All	
Fall 2003	430	428	324.0	248.0	182.0	0.0		53.0	136.0	154.0	All	All	
Fall 2004	419	417	293.0	224.0	162.0	0.0		42.0	114.0	131.0	All	All	
Fall 2005	433	433	308.0	244.0	203.0	194.0		46.0	155.0	157.0	All	All	
Fall 2006	399	398	269.0	200.0	171.0	162.0		33.0	33.0	33.0	All	All	
Fall 2007	379	379	287.0	230.0	192.0	181.0		42.0	146.0	170.0	All	All	
Fall 2008	425	424	380.0	282.0	209.0	203.0		41.0	146.0	173.0	All	All	
Fall 2009	561	555	497.0	386.0	300.0	271.0	193.0	77.0	226.0	257.0	All	All	
Fall 2010	644	640	564.0	415.0	328.0	297.0	203.0	88.0	233.0	271.0	All	All	
Fall 2011	602	597	521.0	408.0	329.0	304.0	183.0	117.0	250.0	281.0	All	All	
Fall 2012	713	707	626.0	495.0	404.0	357.0	198.0	150.0	315.0		All	All	
Fall 2013	684	681	587.0	467.0	359.0	341.0	177.0	153.0			All	All	
Fall 2014	775	775	673.0	538.0	418.0	397.0					All	All	
Fall 2015	780	778	680.0	530.0	464.0						All	All	
Fall 2016	789	789	691.0	598.0							All	All	
<b>College Retention and Graduation Rates</b>											LLP Resident	KY Appalachian County	
Cohort Term	Cohort Size	Cohort Size with Exclusions	Retained in College % 1st Spr..	Retained in College % 2nd Fall	Retained in College % 3rd Fall	Retained in College % 4th Fall	Retained in College % 5th Fall	Graduated in College % 4 Years	Graduated in College % 5 Years	Graduated in College % 6 Years	All	All	
Fall 2003	430	428	75.3%	57.7%	42.3%	0.0%		12.4%	31.8%	36.0%	All	All	
Fall 2004	419	417	69.9%	53.5%	38.7%	0.0%		10.1%	27.3%	31.4%	All	All	
Fall 2005	433	433	71.1%	56.4%	46.9%	44.8%		10.6%	35.8%	36.3%	All	All	
Fall 2006	399	398	67.4%	50.1%	42.9%	40.6%		8.3%	8.3%	8.3%	All	All	
Fall 2007	379	379	75.7%	60.7%	50.7%	47.8%		11.1%	38.5%	44.9%	All	All	
Fall 2008	425	424	89.4%	66.4%	49.2%	47.8%		9.7%	34.4%	40.8%	All	All	
Fall 2009	561	555	88.6%	68.8%	53.5%	48.3%	34.4%	13.9%	40.7%	46.3%	All	All	
Fall 2010	644	640	87.6%	64.4%	50.9%	46.1%	31.5%	13.8%	36.4%	42.3%	All	All	
Fall 2011	602	597	86.5%	67.8%	54.7%	50.5%	30.4%	19.6%	41.9%	47.1%	All	All	
Fall 2012	713	707	87.8%	69.4%	56.7%	50.1%	27.8%	21.2%	44.6%		All	All	
Fall 2013	684	681	85.8%	68.3%	52.5%	49.9%	25.9%	22.5%			All	All	
Fall 2014	775	775	86.8%	69.4%	53.9%	51.2%					All	All	
Fall 2015	780	778	87.2%	67.9%	59.5%						All	All	
Fall 2016	789	789	87.6%	75.8%							All	All	
											UK Service Area	First Scholars	
											All	All	
											Honors Student	Parker Scholarship	
											All	All	
											Robinson Scholarship	University Scholars	
											All	All	
											CARES	APP English	
											All	All	
											APP Math	APP Reading	
											All	All	

\* For various reasons, some students are excluded from the official cohort to give more accurate graduation calculations (i.e. those students who enter a professional school before completing their undergraduate degree).

## Brothers, Sheila

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**From:** Farrell, Herman  
**Sent:** Wednesday, February 21, 2018 8:07 AM  
**To:** Brothers, Sheila  
**Subject:** Fw: New Cmte Item (SAASC)\_Proposed Changes to 8 Undergraduate Engineering Programs  
**Attachments:** Engineering Program admissions changes (revised 11-17-17)-1.pdf; Mechanical Engineering BS-change (revised 12-7-17)\_rev.pdf

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**From:** Hubbard, Brad  
**Sent:** Thursday, February 15, 2018 4:25 PM  
**To:** Anderson, Kimberly; Farrell, Herman  
**Cc:** Howe, Daniel; Danner, Frederick; Donohue, Kevin; Kerns, Bradley; Morey, Daniel; Kellum, Rebecca; Caudill, Timothy; Hulse, David; Provost, University of Kentucky  
**Subject:** RE: New Cmte Item (SAASC)\_Proposed Changes to 8 Undergraduate Engineering Programs

Hello,

The information below was sent to us from Dr. Kim Anderson in early December. As we prepare for tomorrow's SAASC meeting please revisit the information below related to the streamlining of earning Engineering in the College of Engineering. Also included is the Mechanical Engineering Proposal to reduce credit hours from 130 to 127 to meet CPE mandate of 128cr max (similar to prior Civil Engineering proposal).

Brad Hubbard



### Brad Hubbard

Academic Advisor  
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**From:** Anderson, Kimberly  
**Sent:** Friday, December 08, 2017 9:22 PM  
**To:** Brothers, Sheila <[sbrothers@uky.edu](mailto:sbrothers@uky.edu)>; Farrell, Herman <[herman.farrell3@uky.edu](mailto:herman.farrell3@uky.edu)>  
**Cc:** Hubbard, Brad <[brad.hubbard@uky.edu](mailto:brad.hubbard@uky.edu)>; Howe, Daniel <[daniel.howe@uky.edu](mailto:daniel.howe@uky.edu)>; Danner, Frederick <[fdanner@email.uky.edu](mailto:fdanner@email.uky.edu)>; Donohue, Kevin <[kevin.donohue1@uky.edu](mailto:kevin.donohue1@uky.edu)>; Kerns, Bradley <[bradley.kerns@uky.edu](mailto:bradley.kerns@uky.edu)>; Morey, Daniel S <[daniel-morey@uky.edu](mailto:daniel-morey@uky.edu)>; Kellum, Rebecca <[rkellum@uky.edu](mailto:rkellum@uky.edu)>; Crofcheck, Czarena <[crofcheck@uky.edu](mailto:crofcheck@uky.edu)>; Caudill, Timothy S <[timothy.caudill@uky.edu](mailto:timothy.caudill@uky.edu)>; Hulse, David

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**Subject:** Re: New Cmte Item (SAASC)\_Proposed Changes to 8 Undergraduate Engineering Programs

Hi Everyone:

I wanted to clarify a few things mentioned in the attached document.

1. When we first introduced the First-Year Engineering Program, students were admitted as First-Year Engineering and then changed to their pre-major designation once they decided on their major. There were no admission requirements to go from FYE to their pre-major, they simply had to choose their major of interest. We have since changed this back to where students are now admitted as pre-chemical, pre-biosystems, pre-mechanical etc as they have in the past. Hence, while they still take the First-Year Engineering classes, they can declare their pre-major upon admission. However, if a student is undecided about their major, they can choose exploratory. We changed back because we wanted to eliminate any concerns that potential students may have about actually getting into their pre-major (some Colleges of Engineering with FYE Programs do not guarantee that a student will get their first choice of major and we did not want to give that perception).
  
2. The document states that a student is “**several years away** from being an official \_\_\_\_\_ Engineering major and needs to go through **several stages** of Admissions to earn a degree once admitted to the University of Kentucky. This is not exactly true so I wanted to detail the steps and timeline:
  - a. Students must have a MA ACT score of 23 to be admitted as a pre-XXX. Alternate admission requirements are also considered and I can supply those if needed. This is determined at the time of their admission to the University. If students are not admitted to the College of Engineering, they can be admitted to another college and then transfer into Engineering once they meet certain MA 110 criteria.
  - b. Students are then considered for admission from pre-XXX to XXX following their 2<sup>nd</sup> semester of the 2<sup>nd</sup> year (after 3 semesters). To do this, the students must meet the Engineering Standing requirements discussed in the proposal. If a student meets the requirements, they are guaranteed admission (we do not have selective admission where we only admit a certain number).
  - c. There are no admission requirements after this, only the graduation requirements set by the University and the College.

***So, there is only 1 admission stage/hurdle after a student has been initially admitted to the College (pre-XXX to XXX) and this happens after the student completes 3 semesters (not several years). I want to reiterate that if a student meets the requirements (2.5 cumulative GPA and 2.5 GPA in certain courses) they are guaranteed admission. It is not a competitive process where we only take a certain number of students.***

3. I also want to point out that Engineering Standing requirements are not new. They have been a requirement in our College for many years. However, the previous requirements were not consistent among the programs. The only purpose of the proposal under consideration is to make the

requirements more consistent among the programs. The attached document quotes information from the current bulletin such as *“At least one program indicated a handbook with additional information and it is unknown as to what is contained in the handbook. Currently, at least one program indicates that students are limited to two applications for engineering standing”*. These statements have been removed from the revised/proposed engineering standing requirements.

4. There was also a question in the attached document about how students are informed about these Engineering Standing requirements. Students are told about these requirements during recruitment events and at See Blue U Orientations. They are constantly reminded of these requirements at their advising sessions. Their progress toward making Engineering Standing is discussed at each advising session and if a student does not seem to be making progress, they are referred to University and College resources that can assist them academically. If there is great concern about meeting Engineering Standing requirements, students are referred to our Director of Student Success to discuss major exploration. If a student does not meet Engineering Standing requirements, they do have the opportunity to repeat courses to meet the requirements. However, our advisors work very closely with the students and provide guidance on whether this is the best option for them.
  
5. Our retention rates are mentioned in the document but what is not pointed out specifically is the recent increase in 2<sup>nd</sup> Fall retention rates. For the 2015 cohort, we reported a 67.9% retention. For the 2016 cohort, we reported a 75.8% retention. This is a tremendous increase and I credit our First-Year Engineering Program and the hard work of our advisors.
  
6. I do agree with the statement in the document that our initial admission requirement (MA ACT of 23) needs to be reviewed. We are currently reviewing data on the success of engineering students who start in MA 110. The Math Department is also reviewing the success of students in MA 110 to determine if a MA ACT of 23 is a good prediction of this success. We are also considering summer bridge programs to help these students who are not prepared to enter calculus.

I hope this information helps and I will be happy to meet to discuss in more detail.

Thanks  
Kim Anderson

\*\*\*\*\*

**Dr. Kimberly Anderson**  
**Associate Dean for Administration and Academic Affairs**  
**Professor, Chemical Engineering**  
**College of Engineering**  
**University of Kentucky**

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## University of Kentucky College of Engineering

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**From:** "Brothers, Sheila" <[sbrothers@uky.edu](mailto:sbrothers@uky.edu)>

**Date:** Friday, December 8, 2017 at 3:49 PM

**To:** "Farrell, Herman" <[herman.farrell3@uky.edu](mailto:herman.farrell3@uky.edu)>

**Cc:** "Hubbard, Brad" <[brad.hubbard@uky.edu](mailto:brad.hubbard@uky.edu)>, "Howe, Daniel" <[daniel.howe@uky.edu](mailto:daniel.howe@uky.edu)>, "Danner, Frederick" <[fdanner@email.uky.edu](mailto:fdanner@email.uky.edu)>, "Donohue, Kevin" <[kevin.donohue1@uky.edu](mailto:kevin.donohue1@uky.edu)>, "Kerns, Bradley" <[bradley.kerns@uky.edu](mailto:bradley.kerns@uky.edu)>, "Morey, Daniel S" <[daniel-morey@uky.edu](mailto:daniel-morey@uky.edu)>, "Kellum, Rebecca" <[rkellum@uky.edu](mailto:rkellum@uky.edu)>, "Crofcheck, Czarena" <[crofcheck@uky.edu](mailto:crofcheck@uky.edu)>, "Caudill, Timothy S" <[timothy.caudill@uky.edu](mailto:timothy.caudill@uky.edu)>, "Hulse, David" <[dshuls00@email.uky.edu](mailto:dshuls00@email.uky.edu)>, "Provost, University of Kentucky" <[provost@email.uky.edu](mailto:provost@email.uky.edu)>, "Anderson, Kimberly" <[kimberly.anderson@uky.edu](mailto:kimberly.anderson@uky.edu)>

**Subject:** New Cmte Item (SAASC)\_Proposed Changes to 8 Undergraduate Engineering Programs

Good afternoon, Herman. There is a new item ready for review by the Senate's Admissions and Academic Standards Committee (SAASC). This is to change admissions requirements for eight undergraduate degree programs from Engineering: Biosystems Engineering; Chemical Engineering; Computer Engineering; Computer Science; Electrical Engineering; Materials Engineering; Mechanical Engineering; and Mining Engineering. (Please note that there are nine undergraduate degree programs in Engineering – the other program was sent to you just prior to this email.)

The proposal is attached here and can also be found at

<http://www.uky.edu/universitysenate/committee/admissions-and-academic-standards-committee-saasc>.

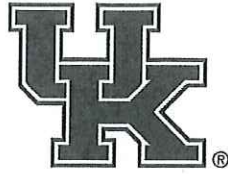
Kim Anderson is your contact person for this proposal.

Please note that the proposal does not include documentation of department- or college-level approval.

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



University of Kentucky

College of Engineering

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April 24, 2017

To Whom It May Concern

From: Kimberly W. Anderson,   
Associate Dean for Administration and Academic Affairs

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 Biosystems Engineering along with the proposed changes.

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

see blue.

An Equal Opportunity University

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 grade-point 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.

**Biosystems Engineering:** Completion of a minimum of 35 semester hours acceptable towards the degree in Biosystems engineering with a minimum cumulative grade-point average of 2.50. Completion of CIS/WRD 110, MA 113, MA 114, MA 213, CHE 105 and PHY 231 with a minimum cumulative GPA of 2.50 in these courses. University repeat options may be utilized as appropriate. Students who do not meet these GPA requirements may request consideration based upon departmental review if both of these GPA values are 2.25 or greater.

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.

*For Transfer Students:* 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.

**Biosystems 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: CHE 105, CIS/WRD 110, MA 113, MA 114, MA 213, and PHY 231. Completion of BAE 200 with a grade of C or better. If a course is repeated, the best grade will be used for calculation of GPA in the above listed courses.



University of Kentucky

College of Engineering

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April 24, 2017

To Whom It May Concern

From: Kimberly W. Anderson,   
Associate Dean for Administration and Academic Affairs

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 Chemical Engineering along with the proposed changes.

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

seeblue.

An Equal Opportunity University

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 grade-point 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.

Chemical Engineering: Completion of CHE 105, CHE 107, CHE 111, CHE 113, MA 113, MA 114, MA 213, PHY 231, CIS/WRD 110 with a minimum cumulative grade-point average of 2.50 in these courses. Completion of CME 200 with a grade of C or better. University repeat options may be applied as appropriate.

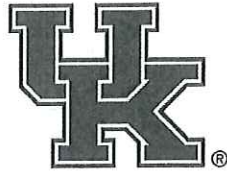
Proposed:

#### 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.

*For Transfer Students:* 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.

Chemical 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: CHE 105, CHE 107, CHE 111, CHE 113, CIS/WRD 110, MA 113, MA 114, MA 213, and PHY 231. Completion of CME 200 with a grade of C or better. If a course is repeated, the best grade will be used for calculation of GPA in the above listed courses.



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April 24, 2017

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

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

seeblue.

An Equal Opportunity University



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 grade-point 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.

Computer Engineering: Completion of a minimum of 35 semester hours acceptable towards the degree in engineering with a minimum cumulative grade-point average of 2.50. Completion of CIS/WRD 110, CS 215, CS 216, CPE 282, MA 114, MA 213, CHE 105, PHY 231, PHY 232, and with a minimum cumulative GPA of 2.50 in these courses. University repeat options may be utilized as appropriate. Students who do not meet these GPA requirements may request consideration based upon departmental review if the first two GPAs are 2.25 or greater and they receive a C or better in CS 215 and CPE 282.

Proposed:

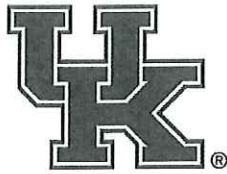
#### Engineering Standing Admission

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.

*For Transfer Students:* 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.

Computer 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: CHE 105, CIS/WRD 110, CS 215, CS 216, EE/CPE 282, and PHY 231. If a course is repeated, the best grade will be used for calculation of GPA in the above listed courses.



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

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

seeblue.

An Equal Opportunity University

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 grade-point 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.

Computer Science: Completion of the following courses with a grade point average of at least 2.50: EGR 102, CS 215, CS 275, CIS/WRD 110, MA 113, MA 114, PHY 231, PHY 241.

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.

*For Transfer Students:* 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.

Computer Science: 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: CS 215, CS 216, CS 275, and MA 114. If a course is repeated, the best grade will be used for calculation of GPA in the above listed courses.



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

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

see blue.

An Equal Opportunity University

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 grade-point 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.

Electrical Engineering: Completion of a minimum of 35 semester hours acceptable towards the degree in engineering with a minimum cumulative grade-point average of 2.50. Completion of MA 113, MA 114, MA 213, PHY 231, CHE 105, and CIS/WRD 110 with a minimum cumulative GPA of 2.50 in these courses. Completion of EE 211 and EE 282 with passing grades. University repeat options may be utilized as appropriate. Students who do not meet these GPA requirements may request consideration based upon departmental review if the first two GPAs are 2.25 or greater and they receive a C or better in both EE 211 and EE 282.

Proposed:

#### Engineering Standing Admission

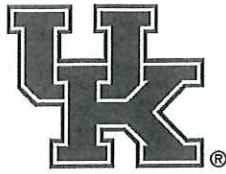
Admission to engineering standing in a degree program is necessary in order to continue in upper level courses and to be granted a baccalaureate degree in engineering or computer science. Specific departmental requirements for admission to engineering standing are noted below and engineering standing 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.

For Transfer Students: 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.

Electrical 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: CIS/WRD 110, CHE 105, CS 215, EE 211, EE/CPE 282, and PHY 231. If a course is repeated, the best grade will be used for calculation of GPA in the above listed courses.





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

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

see blue.

An Equal Opportunity University

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 grade-point 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.

Materials Engineering: Completion of CHE 105, CHE 107, CHE 111, CHE 113, MA 113, MA 114, MA 213, PHY 231, PHY 241, CIS/WRD 110 with a minimum cumulative grade-point average of 2.50 in these courses. Completion of MSE 201 with a grade of C or better. University repeat options may be applied as appropriate.

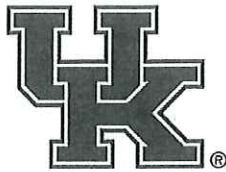
Proposed:

#### 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.

*For Transfer Students:* 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.

Materials 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: CHE 105, CHE 107, CHE 111, CHE 113, CIS/WRD 110, MA 113, MA 114, MA 213, PHY 231, and PHY 241. Completion of MSE 201 with a grade of C or better. If a course is repeated, the best grade will be used for calculation of GPA in the above listed courses.



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

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

seeblue.

An Equal Opportunity University

Current:

#### Engineering Standing Admission

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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.

Mechanical Engineering: To earn engineering standing, mechanical engineering students must have completed at least 35 semester credit hours applicable to the degree program with a minimum cumulative GPA of 2.50. In addition, completion of EGR 101, EGR 102, EGR 103, CIS/WRD 110 and CIS/WRD 111 (or transfer equivalent courses), CHE 105, MA 113, MA 114, MA 213, PHY 231 and PHY 241 with a minimum cumulative GPA of 2.50 in these courses.

While a student may exercise up to three official University of Kentucky Repeat Options to improve his/her cumulative grade-point average, only one can be used for the subset of classes listed above for the purpose of calculating engineering standing. Written request for exception to the allowed number of repeats should be submitted to the Director of Undergraduate Studies.

Proposed:

#### Engineering Standing Admission

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*For Transfer Students:* 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.

Mechanical 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: CHE 105, CIS/WRD 111, EGR 101, EGR 102, EGR 103, EM 221, MA 113, MA 114, MA 213, PHY 231, PHY 241, PHY 232, and PHY 242 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 courses.



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

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

see blue.

An Equal Opportunity University

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 grade-point 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.

**Mining Engineering:** Completion of a minimum of 36 semester hours acceptable towards the degree in mining engineering with a minimum cumulative grade-point average of 2.50. Completion of CIS/WRD 110, MA 113, MA 114, MA 213, CHE 105 and PHY 231 with a minimum cumulative GPA of 2.50 in these courses. University repeat options may be utilized as appropriate. Students who do not meet these GPA requirements may request consideration based upon departmental review if both of these GPA values are 2.25 or greater.

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.

*For Transfer Students:* 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.

Mining 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: CIS/WRD 110, CHE 105, MA 113, MA 114, MA 213, and PHY 231. If a course is repeated, the best grade will be used for calculation of GPA in the above listed courses.