

SPECIAL REPORT

OF THE

ACADEMIC MATTERS COUNCIL

concerning

**POLICY TO STANDARDIZE ADMISSION REQUIREMENTS
FOR MAJORS IN THE COLLEGE OF ENGINEERING
(#5184)**

(Approved by the Rules Committee acting on behalf of the Faculty Senate, April 27, 2018)

Presented at the
779th Regular Meeting of the Faculty Senate
September 13, 2018

COUNCIL MEMBERSHIP

ACADEMIC MATTERS COUNCIL

Neal Abraham, Wesley Autio, Martha Baker, Carol Barr, Brian Beck, William Brown, Allison Butler, D. Anthony Butterfield, Marcy Clark, Catherine Dimmitt, Sharon Domier, Wei Fan, Diane Flaherty, Laura Francis, Mark Guerber, Jennifer Heuer, Maeve Howett, Patrick Kelly, Kathryn Lachman, Nancy Lamb, Meredith Lind, Linda Lowry, Pamela Marsh-Williams, Roberta Marvin, Ernest May, David Morin, Ruthann Paradise, Jennifer Randall, MJ Peterson, Linda Shea, *Chair*, Kelly Smiaroski, Kregg Strehorn, Patrick Sullivan, Nancy Symmes, Jack Wileden, Rebecca Woodland, Kate Woodmansee, Clare McGladrigan, and Colleen Coakley

ACADEMIC MATTERS COUNCIL

The Academic Matters Council recommends approval of this proposal.

Briefly describe the Proposal

At present, 1st year students and most transfer students enter the College of Engineering as Pr-Engin students. Students transition from Pr-Engin to one of our BS degree programs typically after the 1st year, after earning required grades in specified sets of courses. The required courses and grades vary among our degree programs.

The variations by major result in confusion among Pr-Engin students and pose difficulties for students who change their intended engineering major. Furthermore, due to an oversight when the degree was proposed, there is no set of courses/grades required to enter the BS-Biomedical Engineering degree program. The College of Engineering is proposing that the requirements to transition from Pr-Engin to any BS degree program in Engineering be made uniform.

These changes do not affect the admission of students into the College of Engineering as Pr-Engin students and they are not sought to manage or restrict enrollment in any engineering degree programs.

Describe the existing requirements, listing any required courses, various means toward completion, and any other information relating to current practices.

At present there are 4 different sets of requirements to transition from Pr-Engin to one of our BS degree programs. These can be found in the attachment.

Describe the proposed requirements, including all course requirements or other means toward completion, as well as any admissions or continuation requirements.

The College of Engineering proposes the adoption of a single, uniform set of requirements for entering any one of the seven engineering BS degree programs from Pr-Engin status, specifically

- Grades of C or better in:
 - ENGLWRIT 112
 - MATH 131
 - MATH 132
 - ENGIN 100, 110, 112, 113 or 114
 - PHYSICS 151
 - CHEM 111 or PHYSICS 152
 - 2nd Semester Engineering Intro Course Satisfying Major Requirement
(CHEM-ENG 120 or CE-ENG 121 or E&C-ENG 122 or M&I-ENG 124)

- Cumulative and most recent regular semester, i.e. Fall or Spring, GPA of 2.0

These new, proposed requirements include some small relaxations, e.g. EE, CompE, ME and IE students can use Chem 111 or Physics 152 to satisfy one of the requirements and ChE students can move into the major before completing Chem 112, but generally the changes bring the entrance requirements for ChE and CE up to those that currently exist for ME, IE, EE and CompE and they establish requirements for BME.

Provide a rationale for these revisions.

The proposed changes remedy an oversight in the creation of the BS-BME degree program. The uniformity of the new requirements will reduce confusion among Pr-Engin students and will reduce difficulties for students who change their intended engineering major.

List the degree programs (majors) that will be affected by these revisions. If the proposal is the change University-wide requirements (such as General Education requirements), note that it will affect all majors.

BS-CHEM-ENG
BS-CE-ENG
BS-M&I-ENG

If any programs or departments outside of the proposing college will be affected by the proposed revisions, describe those relationships here and include any memoranda of understanding from those colleges and departments as appendices to this proposal.

No other programs or departments are affected.

If this proposal requires no additional resources, say so and briefly explain why. If this proposal requires additional resources, explain how they will be paid for. For proposals involving instruction, indicate how many new enrollments are expected and whether the courses have room to accommodate them.

No additional resources are required.

Curriculum

Attach any additional materials, including memoranda of understanding from affected departments outside your college, here.

See attached form.

MOTION: 01-19 That the Faculty Senate approve the Policy to Standardize the Admission Requirements for majors in the College of Engineering, as presented in Sen. Doc. No. 18-080.