

TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Industrial Engineering

RE: Change in degree requirements for the Bachelor of Science in Industrial Engineering (B.S.I.E.) effective for students entering Purdue Fall 2013 and later.

The faculty of the School of Industrial Engineering has approved the following change in the B.S.I.E. degree requirements related to the general education program. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From:

General Education Requirement (24-25 cr.):

1. Students must take ENGL 10600 or equivalent, and COM 11400 (6 or 7 cr.)
2. General Education Program Requirements (18 cr.): Students must satisfy the requirements of the *General Education Program (EFD 55-98)*.

To:

College of Engineering General Education Program (24 cr.): Students must satisfy the requirements of the College of Engineering General Education Program (EFD 39-14). There are two components to this requirement:

1. Foundational Learning Outcomes (FLOs): Students must select from courses approved by the Undergraduate Curriculum Council for the six FLOs. Many courses satisfy multiple learning outcomes so fewer than 6 courses can be used to satisfy the FLOs. Students must earn a C- or better in order to receive credit towards meeting the FLO and the general education program. If a course taken to fulfill some other degree requirement has also been approved as satisfying one or more of these Foundational Learning Outcomes, then those Foundational Learning Outcomes need not be satisfied again within in the IE General Education Program.
2. Programmatic Requirements:
 - a. Sufficient credit hours to meet the 24 credit hour requirement, of which, at least 12 credit hours must be taken from the College of Liberal Arts, the Krannert School of Management, and/or the Honors College provided such courses are not focused primarily on engineering, technology, the natural sciences, or mathematics.
 - b. At least 6 credit hours must come from courses at the 30000-level or above, or from courses with a required prerequisite in the same department.
 - c. Additional courses can be drawn from either the list of courses approved by the University Core Council as meeting an FLO, the Colleges/Schools in 2(a), or from the following Colleges/Schools/Departments: College of Health and Human Sciences, Entrepreneurship, Department of Agricultural Economics, and Interdisciplinary Studies. Special consideration may be given to courses outside of these Colleges/Schools/Departments at the discretion of the IE undergraduate committee (or their designee). Excluded courses from the above Colleges/Schools/Departments will be at the discretion of the IE undergraduate committee (or their designee).

- d. Courses from the Colleges of Engineering, Science, and Technology can only be used towards the general education program if they satisfy FLOs. Furthermore, if EPCS courses are used to satisfy a foundational learning outcome then three (3) credits must be completed.
- e. Credit is not allowed for language courses in the student's native tongue(s), although literature, culture, drama, and related courses are allowed.

Reason: A change in degree requirements is necessary to accommodate the new College of Engineering General Education Program (EFD 39-14). No sample plan of study is needed as a result of these changes.

Abhi Deshmukh

Abhijit Deshmukh
Professor and Head
School of Industrial Engineering

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE

ECC Minutes

5/8/14

Date

5/5/14

Chairman ECC