

**TO:** The Faculty of the College of Engineering

**FROM:** The Faculty of the School of Chemical Engineering

**RE:** Change in degree requirements for the Bachelor of Science in Chemical Engineering (BSChE) effective for students entering Purdue Fall 2013 and later.

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

**FROM:** see page 2

**TO:** see page 3

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

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Arvind Varma, Jay and Cynthia Ihlenfeld Head  
School of Chemical Engineering

Approved for the faculty of the Schools  
of Engineering by the Engineering  
Curriculum Committee

ECC Minutes 15 Date 3/22/16  
Chairman ECC [Signature]

The Bachelor of Science in Chemical Engineering degree requires a total of 130 credit hours and a minimum graduation index of a 2.0. Students must qualify for admission into the School of Chemical Engineering by completion of the First-Year Engineering Program with an eligible EAI and GPA, qualifying Change-of-degree-objective (CODO) to CHE, or meeting CHE transfer requirements.

Students must earn a "C" or better in CHE 20500.

Students must earn a "C-" or better in CHE 21100, 30600, 32000, 34800, 37700, 37800

**Chemical Engineering Major Courses (81 credits):**

**ChE Core Courses (41 credits):** CHE 20000, 20500, 21100, 30000, 30600, 32000, 34800, 37700, 37800, 40000, 42000, 43500, 45000, and 45600.

**ChE Science Core (18 credits):** CHM 26100, 26300, 26200, 26400, 37000, MA 26100 and PHYS 24100.

**ChE Selectives (22 credits):**

**Biology Selective:** Choose one of the following courses: BIOL 23000, 23100, BCHM 30700, BCHM 56100, or CHM 53300.

**Chemical Engineering Selective:** Choose one of the following courses: ABE 58000, CHE 33000, 41100, 41200, 44200, 46100, 46300, 49700, 49800, 49900, or any CHE 500 level course.

**Engineering Selective:** Choose two of the following courses: CHE 40100, Any ChE course from the ChE Elective List, Any course from AAE, ABE, BME, CE, CEM, ECE, IE, MSE, ME and NUCL.

**Math Selective:** Choose one of the following tracks:

Track 1: MA 26500, MA 26600 or MA 36600

Track 2: MA 26200 and MA 30300 or 30400 or 51400 or ME 58100

**Technical Selective:** Choose one of the following courses: Any BCHM (excludes BCHM 30700 or 56100 if used for Biology Selective), BIOL (excludes 11000, 13500, 14600 and 14700), CHM 22400, 24100, 32100, 32300, 33300, 34200, 42400, any CHM course above 42400, any CS, any EAPS, ENGR 11700, any 3 credits of EPICS, any course from the Engineering Selective list, any 3 credit hours of GEP 20000 level or above, MGMT 20000, MGMT 20010, MGMT 24300, MA 30100, MA 30800, MA 34100, MA 35300, MA 36200, MA 37000, Any Math course above MA 37300, IPPH 36200 Basic Pharmaceuticals, IPPH 56200 Intro to Pharma Manufacturing Processes, PHAD Food and Drug Law I, any Physics course 30000 or above, and any Statistics course 51100 or above.

**General Education Electives (24 credits):**

Students must take COM 11400.

Students must satisfy the requirements of the *General Education Program*.

**Additional Degree Requirements:**

Students who do not complete CHM 11600 as their FYE Science Selective must complete the course to fulfill CHE to fulfill degree requirements.

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**Track 2:** MA 26200 and MA 30300 or 30400 or 51400 or ME 58100

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**General Education Electives (24 credits):**

Students must satisfy the requirements of the *College of Engineering General Education Program*. This requirement has two components:

- *Foundational Learning Outcomes:* select from courses approved by the Undergraduate Curriculum Council for the pertinent learning outcomes.
- *Programmatic Requirement:* select from courses approved by the Chemical Engineering Undergraduate Committee.

**Additional Degree Requirements:**

- Students who do not complete CHM 11600 for their core Science Selective must complete this course to fulfill CHE to fulfill degree requirements.
- Students who do not complete COM 11400 or COM 21700 for *Oral Communication*, must complete either course to fulfill CHE degree requirements.
- Students who do not complete ENGL 10600, ENGL 10800 or HONR 19903 for *Written Communication*, must complete one of these courses to fulfill CHE degree requirements.
- Students must earn a "C" or better in CHE 20500.
- Students must earn a "C-" or better in CHE 21100, 30600, 32000, 34800, 37700, 37800