

Chemical Engineering Curriculum 2009

Professional Breadth Elective Course List

Sept. 22, 2009

- A. Courses of level 300 or higher from the following College of Engineering departments and programs may be used:

- Biomedical Engineering
- Civil and Environmental Engineering
- Electrical and Computer Engineering
- Engineering Mechanics and Astronautics
- Engineering Professional Development¹
- Geological Engineering
- Industrial Engineering
- Interdisciplinary Courses (Engineering)¹
- Materials Science and Engineering²
- Mechanical Engineering
- Nuclear Engineering
- Engineering Physics

- B. Biological Systems Engineering - BSE 542, Food Engineering Operations, and BSE 642, Food and Pharmaceutical Separations, may be used.

- C. Any course of level 300 or higher from the following departments in the College of Letters and Sciences may be used:

- Chemistry
- Computer Sciences
- Math
- Physics

¹ InterEgr 160, and any other course of level 200 or higher.

² Full degree credit is not allowed if a student takes both CBE 440 and MS&E 350. MS&E 350 will be awarded only 1 degree credit.

D. The following courses may also be used:

Econ 343 Environmental Economics
Envir St 343 Environmental Economics
Envir St/Phil 441 Environmental Ethics
Hist Sci 337 History of Technology
Stat 424 Experimental Design
Biochem 501 Introduction to Biochemistry
or Biochem 507 General Biochemistry
Zool 570 Cell Biology
Gen/Botany/Zool 466 General Genetics
Bact 303 Biology of Microorganisms
Biocore 301 Evolution, Ecology and Genetics
Biocore 303 Cell Biology
Acct IS 300 Accounting Principles
Finance 300 Introduction to Finance

Students may petition the department to allow other courses related to engineering professional practice. To request that a course that is not listed above be used, the student should fill out the Professional Breadth Requirement Course Request form on the following page (also available online via <http://www.engr.wisc.edu/che/current/undergrad/>) and submit it to his/her advisor. The department will then decide if the course can be counted toward the Professional Breadth Requirement.