 proposed change in b.s. degree
environmental engineering

present

2. upper division requirements: (95 units)
   a) chem 112a-chem 112b-chem 112c
   b) che 120
   c) engr 100, engr 115, engr 116, engr 118
   d) enve 120, enve 133, enve 135, enve 142, enve 144/ensc 144, enve 146, enve 160b, enve 160c, enve 171, enve 175a-enve 175b
   e) enve 130/che 130, enve 160a/che 160a
   f) me 110
   g) option requirements: choose one option
      (1) air pollution control technology option (12 units)
      (a) che 102
      (b) enve 134, enve 138, enve 145
      (c) ensc 135/chem 135/entx 135
      (2) water pollution control technology option (12 units)
      (a) enve 121, enve 140, enve 145
      (b) ensc 127, ensc 140/swsc 140, ensc 155, ensc 163

proposed

2. upper division requirements: (95 units)
   a) chem 112a-chem 112b-chem 112c
   b) che 100, che 114, che 116, che 120
   c) engr 118
   d) enve 120, enve 133, enve 135, enve 142, enve 144/ensc 144, enve 146, enve 160b, enve 160c, enve 171, enve 175a-enve 175b
   e) enve 130/che 130, enve 160a/che 160a
   f) me 110
   g) option requirements: no change

justification

1. Each of the majors of Chemical Engineering, Environmental Engineering, and Mechanical Engineering has requirements for core courses in thermodynamics, heat transfer, and fluid mechanics. However, the specific needs vary by discipline. As a compromise, when these programs were in their initial stages, such courses were taught collaboratively under the general designations of ENGR 100, ENGR 116, and ENGR 115. This compromise was never entirely satisfactory, and now that the programs have matured, the faculty feels the need to teach these subjects in a manner more appropriate and specific to their disciplines. Thus CHE 100, CHE 114, CHE 116 are now to replace ENGR 100, ENGR 115, ENGR 116, respectively, as Environmental Engineering major requirements.

Approved by the Chemical and Environmental Engineering Faculty on 2/2/01
Approved by the Executive Committee, College of Engineering on 2/14/01.
Approved by the Committee on Educational Policy on 4/19/01.