EXECUTIVE COMMITTEE
COLLEGE OF ENGINEERING
REPORT TO THE RIVERSIDE DIVISION
May 30, 2006

To be adopted:

Proposed Change in B.S. Degree in Computer Engineering

Present

1. Lower-division requirements (71 units)
   a) CS 010, CS 012, CS 014, CS 061
   b) EE 001A, EE 011A, EE 001B
   c) MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 010B, MATH 046
   d) PHYS 040A, PHYS 040B, PHYS 040C
   e) One course of four or more units in Chemistry to be selected in consultation with a faculty advisor

2. Upper-division requirements (88 units minimum)
   a) CS 141, CS 161, CS 161L, CS 169, one course from CS 153 or CS 160
   b) CS 120A/EE 120A, CS 120B/EE 120B; one course from CS 122A or EE 128
   c) CS 111/MATH 111
   d) EE 100A, EE 100B, EE 110A, EE 110B, EE 141
   e) ENGR 180
   f) MATH 113
   g) STAT 155
   h) Five courses (at least 20 units) as technical electives from the following set of Computer Science and Engineering, and Electrical Engineering upper-division courses

Proposed

1. Lower-division requirements (67 units)
   a) CS 010, CS 012, CS 014, CS 061
   b) EE 001A, EE 011A, EE 001B
   c) MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 046
   d) PHYS 040A, PHYS 040B, PHYS 040C
   e) One course of four or more units in Chemistry to be selected in consultation with a faculty advisor

2. Upper-division requirements (80 units minimum)
   a) CS 141, CS 161, CS 161L; one course from CS 153 or CS 160
   b) CS 120A/EE 120A, CS 120B/EE 120B; one course from CS 122A or EE 128
   c) CS 111/MATH 111
   d) EE 100A, EE 100B, EE 110A, EE 110B
   e) ENGR 180
   f) MATH 113
   g) STAT 155
   h) Five courses (at least 20 units) as technical electives from the following set of Computer Science and Engineering, and Electrical Engineering upper-division courses

The technical electives selected from h) must include either CS 179 (E-Z) or both EE 175A and EE 175B. The selection of the remaining technical electives must be planned, in consultation with a faculty advisor, to include at least one coherent sequence of two classes from either Computer Science and Engineering or Electrical Engineering. The technical electives must be distinct from those used to satisfy the upper-division requirements specified in items a and b listed previously.
Justification:

1. The Program Committee has found the topics taught in Math 10B are not necessary for successful completion of the degree.
2. The Program Committee has determined that both CS 180 and EE 141 make better technical electives that requirements for the major. As technical electives students may use the courses, or not, as appropriate to their area of focus.
3. CS 171 has been deleted

Effective: Fall 2006
Approved by the faculty of Computer Science and Engineering on April 3, 2006
Approved by the faculty of Electrical Engineering on April 5, 2006
Approved by the Executive Committee, College of Engineering on April 18, 2006
Approved by the Committee on Education Policy on May 9, 2006