EXECUTIVE COMMITTEE
COLLEGE OF ENGINEERING
REPORT TO THE RIVERSIDE DIVISION
May 18, 2004

To be adopted:

Proposed Change in B.S. Degree in Computer Science

Present

1. Lower-division requirements (55 units)
   a) MATH 009A, MATH 009B, MATH 009C, MATH 010A
   b) CS 010, CS 012, CS 014, CS 061
   c) PHYS 040A, PHYS 040B, PHYS 040C
   d) One course of 4 or more units in an engineering discipline outside the field of computer science to be selected in consultation with a faculty advisor. (Either a lower-division or an upper division course may be used to satisfy this requirement.)
   e) ENGL 01SC

2. Upper-division requirements (84 units minimum)
   a) MATH 112, MATH 113
   b) STAT 155
   c) CS 120A/EE 120A
   d) CS 141, CS 150, CS 152, CS 153, CS 161, CS 179 (E-Z)
   e) Two courses from MATH 046, MATH 120, MATH 125A, PHIL 124

Proposed

1. Lower-division requirements (59 units)
   a) CS 010, CS 012, CS 014, CS 061
   b) CS 011/MATH 011
   c) MATH 009A, MATH 009B, MATH 009C, MATH 010A
   d) PHYS 040A, PHYS 040B, PHYS 040C
   e) One course of 4 or more units in an engineering discipline outside the field of computer science to be selected in consultation with a faculty advisor. (Either a lower-division or an upper division course may be used to satisfy this requirement.)
   f) ENGL 01SC

2. Upper-division requirements (84 units minimum)
   a) CS 141, CS 150, CS 152, CS 153, CS 161, CS 161L, CS 179 (E-Z)
   b) CS 120A/EE 120A, CS 120B/EE 120B
   c) CS 111/MATH 111
   d) ENGR 180
   e) MATH 113
   f) STAT 155
   g) Two courses from MATH 046, MATH 120, MATH 126, PHIL 124
   h) At least 24 units of technical electives to be chosen from an approved list of courses which currently includes CS 100, CS 121, CS 122A, CS 122B, CS 130, CS 133, CS 160, CS 162, CS 164, CS 165, CS 166, CS 168, CS 170, CS 171, CS 177, CS 179 (E-Z) (4 units maximum), CS 180, CS 181, CS 183, CS 185, CS 193 (4 units maximum), CS 120B/EE 120B, EE 140. The technical electives selected must be distinct from those used to satisfy the requirements specified in 2.a)-e) above.

Justification:

1) Course requirements reordered for alphabetical consistency.

2) Math 112 is replaced by a 2-course sequence, CS/Math 11 and CS/Math 111.
3) ENGR 180 Technical Communications is designed to enhance the oral and written skills necessary to succeed in the capstone senior design course.

4) CS 161 has been split into CS 161 and CS 161L in order to give additional instruction in the laboratory segment.

5) CS 120B/EE 120B is being made a requirement as it is a prerequisite to another required course, CS 161.

6) MATH 125A has been deleted. Math 126 has been added as a comparable substitute.

Approved by the Executive Committee, College of Engineering on April 7, 2004
Approved by the Committee on Education Policy on May 4, 2004