To be adopted:

Proposed Change in the B.S. Degree in Electrical Engineering

Present

1. Lower-division requirements (67 units)
   a) One course in the biological sciences chosen from an approved list
   b) CHEM 001A
   c) CS 010, CS 061
   d) EE 001A, EE 01LA, EE 001B
   e) MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 010B, MATH 046
   f) ME 010
   g) PHYS 040A, PHYS 040B, PHYS 040C

2. Upper-division requirements (78)
   a) EE 100A, EE 100B, EE 105, EE 110A, EE 110B, EE 115, EE 116, EE 132, EE 141, EE 175A, EE 175B
   b) CS 120A/EE 120A, CS 120B/EE 120B
   c) Twenty (20) units of technical electives (chosen with the approval of a faculty advisor) from
      CS122A, CS 130, CS 143/EE 143, CS 161, CS 168, EE 102, EE 117, EE 128, EE 133, EE 134, EE 135, EE 137, EE 140, EE 144, EE 146, EE150, EE 151, EE 152, EE 160
   d) STAT 155 or STAT 161

Proposed

1. Lower-division requirements (70 units)
   a) One course in the biological sciences chosen from an approved list
   b) CHEM 001A, CHEM 01LA
   c) CS 010, CS 061
   d) EE 001A, EE 01LA, EE 001B, EE 010
   e) MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 010B, MATH 046
   f) ME 010
   g) PHYS 040A, PHYS 040B, PHYS 040C

2. Upper-division requirements (81)
   a) [No Change]
   b) [No Change]
   c) ENGR 180
   d) STAT 155 or STAT 161
   e) Twenty (20) units of technical electives (chosen with the approval of a faculty advisor) from
      CS122A, CS 130, CS 143/EE 143, CS 161, CS 168, EE 117, EE 128, EE 133, EE 134, EE 135, EE 136,
Justification:

1. The new lab component of Chem 1A has been added.
2. EE 10, the Introduction to Electrical Engineering has been added as a requirement for all new students in order to better acclimate students to the major.
3. EE 102 has been deleted after being dormant for 4 years.
4. EE 136 has been added as a Technical Elective
5. ENGR 180 has been added as a requirement to fulfill the ABET requirement for writing and communication skills.
6. The order of presentation for “Technical Electives” and “STAT 155 or STAT 161” has been changed for catalog consistency with other engineering majors.

Effective: Fall 2006
Approved by the faculty of Electrical Engineering on April 5, 2006
Approved by the Executive Committee, College of Engineering on April 20, 2006
Approved by the Committee on Educational Policy on May 2, 2006