To be adopted:

Proposed Change to the B.S. Degree in Information Systems

Present

1. Lower-division requirements (48 units)
   a) MATH 009A, MATH 009B, MATH 009C, MATH 010A
   b) CS 010, CS 012, CS 014, CS 061
   c) ECON 002, ECON 003
   d) BSAD 020A, BSAD 020B

2. Upper-division requirements (89 units)
   a) MATH 112, MATH 113
   b) STAT 155
   c) CS 100, CS 141, CS 153, CS 164, CS 165, CS 166, CS 180
   d) BSAD 110, BSAD 121/STAT 121, BSAD 134/ECON 134, BSAD 170
   e) SOC 150
   f) Twelve (12) units of upper-division Computer Science technical electives, which must be distinct from the above major requirements. These 12 units may be chosen from those courses listed as upper-division requirements or technical electives for the Computer Science major.
   g) Sixteen (16) units of Business Administration technical electives, including at least 8 units of management information systems courses. These 16 units must be distinct from the above major requirements and may be chosen from any of the available Business Administration courses.

Proposed

1. Lower-division requirements (52 units)
   a) BSAD 020A, BSAD 020B
   b) CS 010, CS 012, CS 014, CS 061
   c) CS 11/MATH 11
   d) ECON 002, ECON 003
   e) MATH 009A, MATH 009B, MATH 009C, MATH 010A

2. Upper-division requirements (92 units)
   a) BSAD 110, BSAD 121/STAT 121, BSAD 134/ECON 134, BSAD 170
   b) CS 100, CS 141, CS 153, CS 164, CS 165, CS 166, CS 180
   c) CS 111/MATH 111
   d) ENGR 180
   e) MATH 113
   f) SOC 150
   g) STAT 155
   h) Twelve (12) units of upper-division Computer Science technical electives, which must be distinct from the above major requirements. These 12 units may be chosen from those courses listed as upper-division requirements or technical electives for the Computer Science major. At least two courses must be in the Department of Computer Science and Engineering.
   i) Sixteen (16) units of Business Administration technical electives, including at least 8 units of management information systems courses. These 16 units must be distinct from the above major requirements and may be chosen from any of the available Business Administration courses.

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) The current wording of the Computer Science Technical Elective section allows for a student to complete this component without taking any computer science courses. By adding the restriction that at least two of the courses be from CS&E, the spirit of the requirement is enforced.

Approved by the Executive Committee, College of Engineering on April 7, 2004
Approved by the Committee on Education Policy on April 20, 2004