PROPOSED CHANGES TO INFORMATION SYSTEMS MAJOR REQUIREMENTS

To be adopted:

PRESENT:
Information Systems Major
1. Lower-division requirements (51 units minimum)
   a) ENGR 001M
   b) BUS 020
   c) CS 010, CS 012, CS 014, CS 061
   d) CS 011/MATH 011
   e) ECON 002, ECON 003
   f) MATH 008B or MATH 009A, MATH 009B, MATH 009C, MATH 010A

2. Upper-division requirements (97 units)
   a) ENGR 101M
   b) BUS 101, BUS 103, BUS 104/STAT 104, BUS 106/ECON 134
   c) CS 100, CS 141, CS 153, CS 164, CS 165, CS 166, CS 180
   d) CS 111/MATH 111
   e) ENGR 180
   f) MATH 113
   g) SOC 150
   h) STAT 155
   i) 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.
   j) Twenty (20) units of Business Administration technical electives, including at least 8 units of management information system 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:
Business Informatics Major
1. Lower-division requirements (51 units minimum)
   a) ENGR 001M
   b) BUS 020
   c) CS 010, CS 012 or CS 013, CS 014, CS 061
   d) CS 011/MATH 011
   e) ECON 002, ECON 003
   f) MATH 008B or MATH 009A, MATH 009B, MATH 009C, MATH 010A

2. Upper-division requirements (97 units)
   a) ENGR 101M
   b) BUS 101, BUS 103, BUS 104/STAT 104, BUS 106/ECON 134
   c) CS 100, CS 141, CS 153, CS 164, CS 165, CS 166, CS 180
   d) CS 111/MATH 111
   e) ENGR 180
   f) MATH 113
   g) SOC 150
   h) STAT 155
   i) 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.
   j) Twenty (20) units of Business Administration technical electives, including at least 8 units of management information system courses. These 20 units must be distinct from the above major requirements and may be chosen from any of the available Business Administration courses.
Students may petition for exceptions to the above degree requirements. Exceptions to Computer Science course requirements must be approved by the Computer Science and Engineering undergraduate advisor or chair, and exceptions to the Business Administration course requirements must be approved by the Graduate School of Management dean. Exceptions to other requirements require the approval of both the Department of Computer Science and Engineering and the Graduate School of Management.

Visit the Student Affairs Office in the College of Engineering or www.engr.ucr.edu/studentaffairs for a sample program.

JUSTIFICATION:

Regarding program name change:
The current BS program in Information Systems (IS) is unable to attract a good number of students because the program is not viewed as substantially different to our Computer Science program. The faculty in the Department of Computer Science and Engineering discussed the problems in detail and concluded that a name change to the program is necessary. As recommended by the IS committee, the faculty voted in favor of changing the name of the Information Systems Program to “Business Informatics.” The motivation for this change is that the current name of Information Systems does not convey the significant amount of course work in the Business Administration area. This new program name will better inform prospective students of the coursework entailed. The anticipated impact of student participation in the program would be to increase the number of students enrolled in the program. We expect students interested in business oriented programs will find the program more interesting and join the program, thereby increasing the overall enrollment in the College of Engineering.

Regarding CS 013:
The Electrical Engineering (EE) department has requested that we introduce a variant of CS012 that teaches the same programming concepts and skills, but with examples and assignments tailored specifically for engineering students. EE currently requires CS010 (the course before CS012) but not CS012. They would like their majors to have more training than they currently get in the concepts of C++ programming, but with examples and projects with content that fits the EE major better. We are introducing CS013 to meet their request.

That is the motivation for introducing CS013. CS013 is a course-equivalent to CS012 in the sense that it teaches the same programming skills and concepts, just with different examples. We anticipate that the
examples and projects in CS 013 will be chosen to fit not just EE majors, but also other Engineering majors, and that the course may be of interest to CS, IS, and CompEng majors who choose to take it instead of CS012. For this reason, we are happy to give our own majors and CS minors the option of taking either CS012 or the new CS013, whichever fits their interest better.

**APPROVALS:**

Approved by the faculty of the Department of Computer Science and Engineering: November 28, 2007 (CS 013). Program name change approved April 2, 2008
Approved by the Executive Committee of the College of Engineering: April 9, 2008
Approved by the Committee on Educational Policy: June 4, 2008
Approved by the Executive Council on behalf of the Division: June 9, 2008

Per email from Prof. John Halebian, the chair of the AGSM Exec. Committee, they do not wish to review/vote on the Business Informatics curriculum changes because: "The Executive Committee of AGSM met today to discuss this issue. AGSM prefers to have a 'hands off' approach to this program in which AGSM controls the content of our courses but in which Bournes Engineering governs the program."
To: Reza Abbaschian, Dean College of Engineering

From: Laxmi Bhuyan, Chair
Department of Computer Science & Engineering

Date: April 3, 2008

RE: Proposal for Undergraduate Program name change

The current BS program in Information Systems (IS) is unable to attract a good number of students because the program is not viewed as substantially different to our Computer Science program. The faculty in the Department of Computer Science and Engineering discussed the problems in detail and concluded that a name change to the program is necessary. As recommended by the IS committee, the faculty voted in favor of changing the name of the Information Systems Program to “Business Informatics.”

The vote was 14 Favor, 2 Opposed, 0 Abstain

The motivation for this change is that the current name of Information Systems does not convey the significant amount of course work in the Business Administration area. This new program name will better inform prospective students of the coursework entailed. The anticipated impact of student participation in the program would be to increase the number of students enrolled in the program. We expect students interested in business oriented programs will find the program more interesting and join the program, thereby increasing the overall enrollment in the College of Engineering. This change was agreed upon by the IS committee which includes the deans of both AGSM and BCoE, as well as faculty from both colleges.

Approval of the name change is requested.

Approved

Date: 4/11/08

Rania Abbaschian, Dean

Approved

Denied