To be adopted:

Proposed Changes to Electrical Engineering Undergraduate Program

Present

Major Requirements

1. Lower-division requirements (74 units)
   a) One course in the biological sciences chosen from an approved list
   b) CHEM 001A, CHEM 01LA
   c) CS 010, CS 013, CS 061
   d) EE 001A, EE 01LA, EE 001B, EE 010, EE 020
   e) MATH 008B or MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 010B, MATH 046
   f) PHYS 040A, PHYS 040B, PHYS 040C

2. Upper-division requirements (82 units)
   a) EE 100A, EE 100B, EE 105, EE 110A, EE 110B, EE 114, EE 115, EE 116, EE 132, EE 141, EE 175A, EE 175B
   b) CS 120A/EE 120A, CS 120B/EE 120B
   c) ENGR 180W
   d) Twenty (20) units of technical electives (chosen with the approval of a faculty advisor) from CS 122A, CS 130, CS 143/EE 143, CS 161, CS 168; EE 117, EE 128, EE 133, EE 134, EE 135, EE 136, EE 137, EE 138, EE 139, EE 140, EE 144, EE 146, EE 150, EE 151, EE 152, EE 160

The choice of technical electives must ensure that the upper division requirements include at least one coherent sequence of at least three (3) electrical engineering courses to ensure depth in one area of electrical engineering. Example course sequences are available through the Student Affairs Office in the College of Engineering or student.engr.ucr.edu.

Proposed

Major Requirements

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   a) One course in the biological sciences chosen from an approved list
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JUSTIFICATION:

These are approved upper division EE courses and cover topics in the focus areas of the EE program but they were not included in the list of technical electives. This change is simply adding them to the list of technical electives.

APPROVALS:

Approved by the faculty of the Department of Electrical Engineering: 10/17/2012
Approved by the faculty of the Bourns College of Engineering: 10/17/12
Approved by the Executive Committee of the Bourns College of Engineering: 11/14/2012
Approved by the Committee on Educational Policy: February 6, 2013