

**EXECUTIVE COMMITTEE
COLLEGE OF ENGINEERING**

**REPORT TO THE RIVERSIDE DIVISION
MAY 23, 2017**

To be adopted

Proposed Changes to the Computer Engineering Undergraduate Program

PRESENT:
Major Requirements

1. Lower-division requirements (72 units):
 - a) ENGR 001G
 - b) CS 010 or CS 10V, CS 012 or CS 012V, or ~~CS 013~~, CS 014, CS 061
 - c) CS 011/ MATH 011
 - d) EE 001A, EE 01LA, EE 001B, EE 020
 - e) MATH 008B or MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 046
 - f) PHYS 040A, PHYS 040B, PHYS 040C
 - g) CHEM 001A or ME 010

2. Upper- division requirements (77 units minimum):
 - a) CS 100, CS 141, CS 153, CS 161, CS 161L
 - b) CS 120A/ EE 120A, CS 120B/EE 120B; one course from CS 122A or EE 128
 - c) CS 111
 - d) CS 168
 - e) ENGR 180W
 - f) EE 100A
 - g) EE 111
 - h) EE 114 or STAT 155
 - i) Six courses (at least 24 units) as technical electives from the following set of upper division courses
CS 122A, CS 122B, CS 130, CS 133, CS 150, CS 152, CS 160, CS 162, CS 164, CS 165, CS 166, CS 169, CS 170, CS 171, CS 172, CS 177, CS 179 (E-Z), CS 180, CS 181, CS 183, CS 193 EE 100B, EE 105, EE 115, EE 123, EE 128, EE 132, EE 133, EE 134, EE 135, EE 140, EE 141, EE 144, EE 146, EE 150, EE 151, EE 152, EE 165, EE 175A, EE 175B, ENGR 160

PROPOSED:
Major Requirements

- 1.No Change
 - a) No Change
 - b) CS 010 or CS 10V, CS 012 or CS 012V, CS 014, CS 061
 - c) No Change
 - d) No Change
 - e) No Change

 - f) No Change
 - g) No Change

2. No Change
 - a) No Change
 - b) No Change

 - c) No Change
 - d) No Change
 - e) No Change
 - f) No Change
 - g) No Change
 - h) No Change
 - i) No Change

The technical electives selected from h) must include either CS 179 (E-Z) or EE 175A and EE 175B. The selection of the remaining technical electives must be planned, in consultation with a faculty advisor, to include at least one coherent sequence of two classes from either Computer Science or Electrical Engineering. The technical electives must be distinct from those used to satisfy the upper-division requirements specified in items a) and b) above.

The technical electives selected from h) must include either CS 179 (E-Z) or EE 175A and EE 175B. The selection of the remaining technical electives must be planned, in consultation with a faculty advisor, to include at least one coherent sequence of two classes from either Computer Science or Electrical Engineering. The technical electives must be distinct from those used to satisfy the upper-division requirements specified in items a) and b) above.

Students may petition for exceptions to the above degree requirements. Exceptions to Computer Science and Electrical Engineering course requirements must be approved by the Computer Engineering undergraduate faculty advisor or chair. Visit the Student Affairs Office in the College of Engineering or student.engr.ucr.edu for a sample program.

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Justification:

CS 13 was designed specifically for Electrical Engineering students. It is a substitute for CS 12 that provides a much broader course coverage. Since the Computer Engineering students take follow-up courses like CS 14 and CS 100, requiring CS 12 or 12V will provide proper prerequisite.

Approvals:

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| Approved by the faculty of the Department of Computer Engineering: | February 9, 2017 |
| Approved by the Executive Committee of the College of Engineering: | February 15, 2017 |
| Approved by the Committee on Educational Policy: | April 24, 2017 |