

**EXECUTIVE COMMITTEE
COLLEGE OF ENGINEERING**

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

To be adopted:

PROPOSED CHANGE TO THE COMPUTER SCIENCE & ENGINEERING UNDERGRADUATE
PROGRAM

PRESENT:

**Major Requirements
Computer Science Major**

1. Lower-division requirements (61 units)
 - a) ENGR 001-I
 - b) CS 010 or CS 010V, CS 012 or CS 012V or ~~CS 013~~, CS 014, CS 061
 - c) CS 011/MATH 011
 - d) MATH 008B or MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 031
 - e) PHYS 040A, PHYS 040B, PHYS 040C
 - f) One course of 4 or more units in an engineering discipline outside the field of computer science to be selected in consultation with a faculty advisor. (Either a lower-division or an upper-division course may be used to satisfy this requirement.)

2. Upper-division requirements (86 units minimum)
 - a) ENGR 101-I
 - b) CS 100, CS 141, CS 150, CS 152, CS 153, CS 161, CS 179 (E-Z)
 - c) CS 120A/EE 120A, CS 120B/EE 120B
 - d) CS 111/MATH 111
 - e) ENGR 180W
 - f) STAT 155
 - g) At least 28 units of technical electives to be chosen from an approved list of courses which currently includes CS 122A, CS 122B, CS 130, CS 134, CS 145, CS 160, CS 162, CS 164, CS 165, CS 166, CS 168, CS 169, CS 170, CS 171, CS 172, CS 177, CS 179 (E-Z) (4 units maximum), CS 180, CS 181, CS 182, CS 183, CS 193 (4 units maximum), EE 140, MATH 120, MATH 126, MATH 135A, MATH 135B, PHIL 124.

The technical electives selected must be distinct from those used to satisfy the requirements specified in 2.a)–f) above, with at least half of the units selected from Computer Science courses.

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

PROPOSED:

**Major Requirements
Computer Science Major**

1. Lower-division requirements (61 units)
 - a) No Change
 - b) CS 010 or CS 010V, CS 012 or CS 012V, CS 014, CS 061
 - c) No Change
 - d) No Change

 - e) No Change
 - f) 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

The technical electives selected must be distinct from those used to satisfy the requirements specified in 2.a)–f) above, with at least half of the units selected from Computer Science courses.

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

Justification:

The faculty approved to remove CS 013 from the list of Computer Science Major and Minor. The change is to ensure consistency of material taught to CS majors. Currently all CS majors already take CS12. CS13 is designed specifically for engineering majors outside Computer Science. In particular, CS13 does not prepare students for upper division work as well as CS12.

CS 013 was also removed as the course prerequisite for CS 014 for the reason stated above.

Approvals:

Approved by the faculty of the Department of
Computer Science & Engineering:

February 8, 2017

Approved by the Executive Committee of the
College of Engineering:

February 15, 2017

Approved by the Committee on Educational Policy:

April 24, 2017