COMPUTER SCIENCE MAJOR, B.A. – 2004-2005

Admission to the Computer Science major is contingent upon the prior completion of the courses listed in the pre-major (Area I below) with at least a 2.75 grade-point average.

I. PRE-MAJOR REQUIREMENTS

Mathematics 3A-B-C, 5A-B ...........................................................................................................................20
Computer Science 10, 20, 30, 40, 50, 60 ........................................................................................................24
Probability/Statistics 120A ...............................................................................................................................4

II. PREPARATION FOR THE MAJOR

Science sequence from:
Chemistry 1A-AL-B-BL-C-CL or Physics 1-2-3-3L or Physics 6A-AL-B-BL-C-CL .................................................12

Science electives: .............................................................................................................................................8
Two courses or course sequences from: MCDB 1A-AL; EEMB 2 plus MCDB 1B, and either EEMB 2L or MCDB 1BL; Geology 2, 4, 123, or courses not used in science sequence requirement above (credit will be allowed for courses from only one physics sequence).

Ethics: One course from: Philosophy 4, 6, 100A or Engineering 101 ......................................................3 or 4

Note: The courses listed in Area II need not be completed prior to advancement to the full major, and the grades will not be included in the pre-major grade-point average calculation.

UPPER-DIVISION MAJOR

48 UD units are required, distributed as follows:

A. Computer Science 110A or 110B .................................................................................................................4
B. Computer Science 130A-B ..............................................................................................................................8
C. Computer Science 138, 154, 162, 170 .........................................................................................................16
D. ECE 152A ......................................................................................................................................................5
E. Probability/Statistics 120B .............................................................................................................................4
F. UD elective units approved by a Computer Science advisor (petition required) .................................11

UD elective courses taken: 

MAJOR REGULATIONS

PREREQUISITES ................................................. Check the General Catalog for the prerequisites to all listed courses.
P/NP GRADING OPTION ................................. Not allowed for major courses (prep or UD major), including courses applied to the major from other departments.
SUBSTITUTIONS ............................................. In the major requirements permissible only by petition to the department chair and dean.
RESIDENCE REQUIREMENTS .................. At least 20 UD units in major while in residence at UCSB.
G.P.A REQUIREMENTS ............................. At least 2.0 overall UC average in all UD major courses and all courses (Prep and UD) for the major.
DOUBLE MAJORS ........................................ With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.