PHARMACOLOGY MAJOR, B.S. – 2006-2007

To be admitted to full major status, students must fulfill the pre-biology course and grade-point average requirements as described in the General Catalog. At a minimum, they must complete twelve designated courses from the Preparation for the Major with a 2.0 or higher UC grade point average.

Note: Hyphens indicate that an entire sequence must be completed as shown to fulfill an area requirement.

**PREPARATION FOR THE MAJOR**

Chemistry 1A-AL-BL-C-CL (or 2 series) .................................................................................................................. 12
MCDB 1A-1AL-1B, EEMB 2-3-3L, and either MCDB 1BL or EEMB 2L ................................................................. 15
   (Transfer students must consult the advisor regarding selected topics to be covered in Z courses.)
Chemistry 6A-B and 109A-B-C ................................................................................................................................. 16
Mathematics 3A-B or 34A-B ........................................................................................................................................ 8
One of the following: PSTAT 5A or EEMB 30 or Math 3C or Psy 5 ................................................................. 4 or 5
Physics 6A-AL-BL-C-CL .............................................................................................................................................. 12

**UPPER-DIVISION MAJOR**

50 UD units required, distributed as follows: ......................................................................................................... 50

I. A. Pharmacology: MCDB 126A-AL-BL-C ........................................................................................................... 
   B. Biochemistry: MCDB 108A-BL-C or Chemistry 142A-B-C ......................................................................... 
   C. Genetics: MCDB 101A-B ................................................................................................................................. 
II. Additional units from the following to bring the total upper-division units in the major to 50: ............................

Note: No more than 16 total units may be taken outside the Department of Molecular, Cellular, and Developmental Biology. (Courses that are cross-listed between MCDB and other departments do not count towards the 16 units maximum). Instructor approval required prior to enrollment in psychology courses.


A maximum of 4 units of MCDB 185-199 can be applied. BMSE may be accepted by petition only.

Students are encouraged to select their elective courses from within one of these tracks:

1. **Molecular and Cellular Biology:** MCDB 108AL, 112, 112L, 114, 115, 131, 131L, 132, 132L, 133, 133L, 134, 135, 138, 139, 140L; EEMB 126MM, 144
2. **Biochemical Pharmacology:** MCDB 108AL, 109L, 145; Chemistry 161, 162, 181; EEMB 126MM, 164, 164L, 164S
3. **Neurobiology and Behavior:** MCDB 114, 115; Psychology 115, 133, 137
4. **Physiology and Development:** MCDB 111, 112, 112L, 114, 115; EEMB 111, 154, 156, 175

**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), including courses applied to the major from other departments, except up to 4 units of courses that do not allow letter grades.
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 upper-division major courses and all courses (Prep and UD) for the major, including courses in excess of minimum requirements.
DOUBLE MAJORS .......................................... With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.