DEPARTMENT OF MOLECULAR, CELLULAR & DEVELOPMENTAL BIOLOGY 3320 LIFE SCIENCES AND TECHNOLOGY BUILDING—PHONE: 805-893-5191

NAME	
Date	Perm #

http://www.lifesci.ucsb.edu

College of Letters and Science

University of California, Santa Barbara

Note: See Major Progress Check on GOLD for full list of all degree requirements.

BIOCHEMISTRY-MOLECULAR BIOLOGY MAJOR, B.S. - 2023-2024

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* and *Pre-Biological Sciences Major Sheet*. At minimum, they must complete twelve designated courses from the Preparation for the Major with a 2.0 or higher UC grade-point average. Grades earned must meet grade prerequisites for the full major.

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

PRI	EPARATION FOR THE MAJOR	UNITS TO COMPLETE
Che	mistry 1A-AL-B-BL-C-CL (or 2A-AC-B-BC-C-CC)	15
MCDB 1A-B, EEMB 2-3, MCDB 1LL and EEMB 2LL		
	mistry 6AL and 109A-B-C or 109AH-BH-CH	
Mat	h 3A-B <u>and</u> 4A <u>and</u> 6A	16
Phys	sics 6A-AL-B-BL-C-CL	12
UPF	PER-DIVISION MAJOR	∓ S at
48 L	JD units required, distributed as follows:	48
A.	Genetics: MCDB 101A-B	
В.	Biochemistry: MCDB 108A (or W 108A) and 108B-C	
C.	Biochemistry-Molecular Biology Lab: MCDB 109L or 140L	
D.	Physical Chemistry: Chemistry 112A (recommended) or 113A; and MCDB 123	
E.	Electives: courses from the following list to bring the total UD units for the major to 48.	
	MCDB 101AH, 101BH, 101L, 103, 103L, 108AH, 111, 111H, 112, 112H, 112L, 118, 12 126BH, 126BL, 131, 131L, 132, 132L, 133, 133H, 133L, 134, 134H, 135, 135H, 138 (or 145, 146, 151, 151H, 152, 152H, 153, 153H, 161L, 170, 172, 187, 188, 192, 197, 198, 19145, 147, 161, 162A, 162B; Psychology 162	r W 138), 139, 139H,
	No more than 8 units of the following courses combined will apply to the major: MCDE BMSE may be accepted by petition only.	3 185-199.

A minimum of 32 UD units must be completed through courses within the MCDB department.

MAJOR REGULATIONS

PREREQUISITES	. Check the <i>General Catalog</i> for the prerequisites to all listed courses.
	. Not allowed for major courses (prep or UD), including courses applied to the major from
	other departments, except up to 8 units of courses that do not allow letter grades.
	. In the major requirements permissible only by petition to the department chair and dean.
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.
DOUBLE MAJORS	. With the approval of each department chairperson, up to a total of 8 units may be applied
	simultaneously to both UD majors.