

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

Building 232—PHONE: 805-893-5675

<http://www.chem.ucsb.edu>

College of Letters and Science

University of California, Santa Barbara

NAME _____

Date _____ Perm # _____

**Note: See Major Progress Check on GOLD
for full list of all degree requirements.****BIOCHEMISTRY MAJOR, B.S. – 2024-2025**

A UC GPA of 2.00 or above in each of the six sequences of courses listed in Area I, is required for admission to the full Biochemistry major. Acceptance into the pre-major does not guarantee admission to full major status. Upon satisfactory completion of the pre-major courses, students must complete a change of major petition, available on the Department of Chemistry and Biochemistry website.

I. PRE-MAJOR REQUIREMENTS**UNITS TO COMPLETE**

Chemistry 3A (or 1A or 2A), 3B (or 1B or 2B), 3C (or 1C or 2C).....	10 _____
Chemistry 2AL, 2BL, and 3L or (1AL, 1BL or 2BC, 1CL or 2CC).....	6-7 _____
Chemistry 6AL <u>and</u> 6BL or 6BH.....	6 _____
Chemistry 130A (or 109A or 109AH), 130B (or 109B or 109BH), 130C (or 109C or 109CH).....	12 _____
Mathematics 2A or 3A, 2B or 3B, <u>and</u> 4A.....	12-14 _____
Physics 7A-B-C (or 1-2-3-4).....	12-14 _____

II. PREPARATION FOR THE MAJOR

Math 6A and Phys 7L (or 3L) are required for enrollment in Biophysical Chemistry (CHEM 112A-B-C) which should be taken in the fall quarter of Year 3.

Mathematics 6A	4 _____
Physics 7L(or 3L)	1 _____
MCDB 1A-1B, EEMB 2, and MCDB 1LL.....	12.5 _____

UPPER-DIVISION MAJOR

46 UD units required, distributed as follows:

A. Chemistry 112A, 112B, 112C, 142A (or W 142A), 142B, 142C, and 173A.....	24 _____
B. Chemistry 110L, 112L, and 125L	11 _____
C. Six units from the following core electives: Chemistry 141, 143, 145, 146, 147, 151, 154A, 154B, 161, 162A, 162B, 171, 181.....	6 _____
D. Five additional units from C above, or the following, with no more than one course from Chemistry 110, 123 and 149: Chemistry 110, 111, 113AL, 115A, 115B, 115C, 117A, 118, 120, 123, 124, 126 (provided 145 has not been taken), 127, 128, 129, 132, 133, 134, 148, 149, 150, 153, 163, 173B, 175, 176, 186; MCDB 101B, 103, 126B, 126C, 134, 135.....	5 _____

MAJOR REGULATIONS

PREREQUISITES	Check the <i>General Catalog</i> for the prerequisites to all listed courses. Completion of the Pre-Chemistry major is required to enroll in upper-division courses required for the major.
P/NP GRADING OPTION	Not allowed for major courses (prep or UD), including courses applied to the major from other departments.
SUBSTITUTIONS	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 <u>and</u> 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.

Recommended Schedule for B.S. Biochemistry

2024-2025

To ensure that you are on track for graduation, we advise that you: follow this schedule, run a [Major Progress Check](#) on GOLD quarterly, and meet with our advising staff, annually. [Click here](#) to contact us.

General Education and elective courses should be added as appropriate. [Click here](#) to review College and University degree requirements.

	Fall	Winter	Spring
Year 1	Chem 1A/3A Math 2A/3A	Chem 1B/3B Chem 2AL Math 2B/3B Phys 7A	Chem 1C/3C Chem 2BL Math 4A Phys 7B
Year 2	Chem 109A/130A Chem 3L Phys 7C Phys 7L ★MCDB 1A	Chem 109B/130B Chem 6AL ★MCDB 1B ★EEMB 2 ★MCDB 1LL	Chem 109C/130C Chem 6BL Math 6A
Year 3	★ Chem 112A ★ Chem 142A ★ Chem 110L	★ Chem 112B ★ Chem 142B ★ Chem 125L	★ Chem 112C ★ Chem 142C ★ Chem 112L
Year 4	★ Chem 173A		

★ courses are offered only in the quarter listed. With these exceptions: Chem W 142A, Chem 173A, MCDB 1A, MCDB 1B, MCDB 1LL, and EEMB 2 may be offered during summer sessions.