

**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. – 2023-2024**

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).....	9-10 _____
Chemistry 1AL, 1BL or 2BC, 1CL or 2CC .....	6 _____
Chemistry 6AL <u>and</u> 6BL or 6BH.....	6 _____
Chemistry 109A or 109AH, 109B or 109BH, 109C (or W 109C) or 109CH.....	12 _____
Mathematics 2A or 3A, 2B or 3B, <u>and</u> 4A.....	12-14 _____
Physics 6A-B-C or 7A-B-C (or 1-2-3-4) .....	9-14 _____

**II. PREPARATION FOR THE MAJOR**

*Math 6A and Phys 6AL-BL-CL or 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 6AL-BL-CL or 7L (or 3L).....	3 or 1 _____
MCDB 1A-1B, EEMB 2, and MCDB 1LL.....	11.5 _____

**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**

<b>PREREQUISITES</b> .....	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.
<b>P/NP GRADING OPTION</b> .....	Not allowed for major courses (prep or UD), including courses applied to the major from other departments.
<b>SUBSTITUTIONS</b> .....	In the major requirements permissible only by petition to the department chair and dean.
<b>G.P.A REQUIREMENTS</b> .....	At least 2.0 overall UC average in <b>all</b> upper-division major courses <u>and</u> <b>all</b> courses (Prep and UD) for the major.
<b>DOUBLE MAJORS</b> .....	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

## 2023-2024

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 Chem 1AL Math 2A/3A	Chem 1B/3B Chem 1BL Math 2B/3B Phys 7A <i>or</i> Phys 6A/6AL	Chem 1C/3C Chem 1CL Math 4A Phys 7B <i>or</i> Phys 6B/6BL
Year 2	Chem 109A/130A Phys 7C Phys 7L <i>or</i> Phys 6C/6CL ★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.