

UCLA BIOCHEMISTRY MAJOR 2024-2025

BIOCHEMISTRY MAJOR (B.S.): This major is designed primarily for students who are interested in attending graduate school in Biochemistry or related areas. It also satisfies many of the requirements of pre-medical and other pre-professional schools. Refer to the UCLA General Catalog (<http://catalog.registrar.ucla.edu/>) for course descriptions and requisites.

For more details about this major and others offered in the Department of Chemistry and Biochemistry, consult the Undergraduate Office in 4009 Young Hall.

Preparation for the Major	
General Chemistry (CHEM)	Chem [20A(H), 20B(H)] or [14A(E), 14B(E)], 20L, 30AL
Organic Chemistry (CHEM)	Chem 30A, 30B, 30BL, 30C
Math (MATH)	Math 31A, 31B, 32A (33A recommended)
Physics (PHYSICS)	Physics [5A, 5B, 5C] or [1A, 1B, 1C, 4BL]
Life Science (LIFESCI)	Life Science 7A, 7B, 7C, 7L

(H) indicates that an Honors section may be available

[] Choose one series enclosed in brackets.

Upper Division Major Requirements	
Chemistry (CHEM)	Chem 110A
Biochemistry (CHEM)	Chem 153A, 153B, 153C, 153L, 154, 156
One Chemistry or Biochemistry Elective (4 units)	One upper division or graduate-level Chemistry (CHEM) course
Three Electives (12 units)	Three upper division or graduate-level courses from the approved list (see separate list). Note: Life Sci 107 and MIMG 101 are highly recommended electives.

Important Notes

- You must have a minimum of 180 units to graduate, and 60 of those units must be upper division (courses numbered 100 to 199).
- The Biochemistry B.S. Upper Division Major Requirements satisfy at least 45 upper division units.
- All Preparation for the Major and Upper Division Major courses must be taken for a letter grade.
- Seminars, individual study courses, and research courses (e.g. 196, 199) may not be used to satisfy the requirements for the Biochemistry major.
- You must have a 2.0 GPA in the major to graduate with a degree. If you fall below a 2.0 GPA in the major, it is strongly recommended that you change majors.
- You may not take or repeat a chemistry or biochemistry course for credit if it is a prerequisite for a more advanced course for which you already have credit.

UCLA BIOCHEMISTRY MAJOR 2024-2025 – Sample Major Course Plans

INCOMING FRESHMEN

FRESHMAN YEAR

FALL	WINTER	SPRING
CHEM 20A(H) or 14A (4)	CHEM 20B(H) or 14B (4)	CHEM 30A (4)
MATH 31A (4)	CHEM 20L (3)	MATH 32A (4)
	MATH 31B (4)	

SOPHOMORE YEAR

FALL	WINTER	SPRING
CHEM 30B (4)	CHEM 30BL (3)	CHEM 30C (4)
Life Sciences 7A (5)	Life Sciences 7B (5)	Life Sciences 7C (5)
Physics 5A (5)	Physics 5B (5)	Life Sciences 7L (3)
CHEM 30AL (4)		Physics 5C (5)

JUNIOR YEAR

FALL	WINTER	SPRING
CHEM 110A (4)	CHEM 153L (4)	CHEM 153C (4)
CHEM 153A (4)	Upper Division Chemistry Elective (4)	Biochemistry Elective #1 (4)

SENIOR YEAR

FALL	WINTER	SPRING
CHEM 153B (4)	CHEM 154 (5)	CHEM 156 (4)
Biochemistry Elective #2 (4)	Biochemistry Elective #3 (4)	

(Numbers in parentheses indicate the number of units.)

Important Notes

- This plan is just one EXAMPLE of how to schedule classes to graduate in 4 years. Other schedules may be equally valid.
- This plan only includes required courses for the Preparation for the Major and the Upper Division Major Requirements.
- **This plan does not include General Education and other College requirements.** For these requirements, please consult with your College Advising Unit (College Academic Counseling, AAP, Honors, Athletics).
- Be sure to check your Degree Audit Report (DAR) frequently to ensure you are meeting all degree requirements.

TRANSFER STUDENTS

JUNIOR YEAR

FALL	WINTER	SPRING
CHEM 153A (4)	CHEM 153B (4)	CHEM 110A (4)
Upper Division Chemistry Elective (4) <i>(Chemistry 171 Recommended)</i>	CHEM 153L (4)	CHEM 153C (4)

SENIOR YEAR

FALL	WINTER	SPRING
CHEM 154 (5)	Biochemistry Elective #2 (4)	CHEM 156 (4)
Biochemistry Elective #1 (4)		Biochemistry Elective #3 (4)

(Numbers in parentheses indicate the number of units.)

Important Notes

- This plan is just one EXAMPLE of how to schedule classes to graduate in 2 years. Other schedules may be equally valid.
- Assuming that incoming transfer students have already completed the Preparation for the Major, this plan only includes required courses for the Upper Division Major Requirements.
- **This plan does not include General Education and other College requirements.** For these requirements, please consult with your College Advising Unit (College Academic Counseling, AAP, Honors, Athletics).
- Be sure to check your Degree Audit Report (DAR) frequently to ensure you are meeting all degree requirements.

Courses may not always be taught in the quarter shown. Check with the Department or scan the QR code for the list of tentative course offerings.

