Biochemistry

This major allows students to call two departments home—the Department of Biological Sciences and the Department of Chemistry. This partnership results in an interdisciplinary major meeting the needs of students with broad interests in the sciences or those preparing for a research career in a biomedical field or a clinical career in a health profession. It combines core foundational backgrounds from chemical, biological, and molecular sciences to offer an integrated program focusing on the chemistry and molecular mechanisms of biology.

BACHELOR OF SCIENCE (BS) REQUIREMENTS OVERVIEW

Four Lower Division Courses
- General Biology: Organismal Biology and Evolution
- General Biology: Cell Biology and Physiology
- General Chemistry A & B
- Physics for the Life Sciences A & B

Three Math Course
- Calculus I and II
- Choose between Calculus III or Elementary Probability and Statistics

Twelve Upper Division Courses. Some examples are:
- Molecular Biology and Advanced Molecular Biology
- Biochemistry and Advanced Biochemistry
- Analytical Chemistry
- Physical Chemistry
- Organic Chemistry A & B
- Choose two upper division electives

EXPERIENTIAL OPPORTUNITIES

- Trojan Chemistry Club: This student-run organization sponsors faculty luncheons, hosts receptions for new students, and participates in on-campus events for visiting local high school students.
- Directed Research: By enrolling in an upper-level directed research course, students can delve further into their major by working with a mentor faculty member.
- Freshman Science Honors Program: FSH allows exceptional freshmen to study in an enriched first year science sequence, featuring smaller classes and access to lectures, tours, and field trips.
- Supplemental Instruction: This academic support program provides regularly scheduled, peer-led study sessions for common Biology, Chemistry, Math, and Physics courses.

For additional information, including all major requirements, please consult the USC Catalogue or http://chemistry.usc.edu/