

REQUIREMENTS FOR THE BACHELOR'S DEGREE IN BIOLOGICAL SCIENCES

[See below for Concentration in Biological Sciences Education.]

All School of Biological Sciences students must complete the following requirements.

University Requirements: See pages 57-62.

School Requirements

Biological Sciences 2B, 194S; Biological Sciences Core 93, 94, 97, 98, 99, 100L; Chemistry 1A-B-C, 1LB-LC or H2A-B-C, 1LB-1LC; Chemistry 51A-B-C, 51LA-LB or 52A-B-C, 52LA-LB; Mathematics 2A-B and one course selected from Biological Sciences 7 or Mathematics 2D or 2J or 7; Physics 3A-B-C, 3LB-LC or 7A-B, 7LA-LB and 7D, 7LD or 7E.

Prerequisites for all Biological Sciences Core courses are rigorously enforced. Students must have a 2.0 cumulative grade point average in the Biological Sciences Core Curriculum, four upper-division elective courses, and three upper-division laboratories.

School Residence Requirement: After matriculation, all courses required for the major must be successfully completed at UCI. The School of Biological Sciences strictly enforces the UCI residence requirement. At least 36 of the final 45 units completed by a student for the bachelor's degree must be earned in residence at the UCI campus. (The School considers courses taken in the Education Abroad Program to be in-residence courses.)

Undergraduate Major in Biological Sciences

The Biological Sciences major presents a unified, in-depth study of modern biology. The Biological Sciences Core is a five-quarter series of courses ranging from ecology and evolutionary biology, to genetics, biochemistry, and molecular biology. Important laboratory techniques and methodology are presented in upper-division laboratories. Advanced elective courses provide an opportunity to continue to diversify students' exposure to the biological sciences or to gain a much more in-depth study of a particular area of the biological sciences.

NOTE: Biological Sciences majors who successfully complete their second year of study may elect to apply for a change of major to one for the following: Biochemistry and Molecular Biology, Developmental and Cell Biology, Genetics,

Microbiology and Immunology, Neurobiology, Pharmaceutical Sciences, or Plant Biology. Students may apply directly to the Ecology and Evolutionary Biology major when they apply for admission to UCI. Contact the Biological Sciences Student Affairs Office for more information.

REQUIREMENTS FOR THE B.S. DEGREE IN BIOLOGICAL SCIENCES

University Requirements: See pages 57-62.

School Requirements: See this page, above.

Major Requirements

A. Required Major Courses: Three courses selected from Biological Sciences D103, D104, D105, E106, E109, N110.

B. Upper-Division Laboratories: Three laboratories required. At least two selected from Biological Sciences D111L, E112L, E115L, E166, M114L, M116L, M118L, M121L, M122L, M124L, N113L; one laboratory can be satisfied with E179L, E161L, or completion of Excellence in Research in the Biological Sciences.

C. Upper-Division Biology Electives: Four upper-division, four-unit courses selected from Biological Sciences D103-D190, E106-E190, M114-M190, N110-N190. Biological Sciences D103, D104, D105, E106, E109, N110 may not be used to satisfy more than one requirement.

Chemistry 130A-B-C or 131A-B-C or Physics 147A-B can be used to partially satisfy the elective requirement. Additionally, Psychology/Biological Sciences double majors may also use Psychology 112A-B-C to partially satisfy the elective requirement.

NOTE: Double majors within the School of Biological Sciences, Applied Ecology, and Public Health Sciences are not permitted.

Concentration in Biological Sciences Education

The optional concentration in Biological Sciences Education requires eight courses: Biological Sciences 14, 101, 102, Physics 20A, 20B, Earth System Science 1, 7, and one course selected from Education 108, 124, 128, 131, 136, or 173.

The requirements for a general Biological Sciences B.S. degree for students in this concentration will be reduced by one upper-division laboratory course (major requirement B) and two upper-division biology electives (major requirement C). Students pursuing other majors within the School of Biological Sciences will need specific departmental approval for the reduction of degree requirements when completing this concentration.