

The program is designed to provide the basic course requirements to prepare students to meet the entrance requirements for most graduate programs in biology. All graduate programs have slightly different entrance requirements; however, this program will provide students with a solid foundation of biological knowledge as well as a basic understanding of chemistry and physics.

Why go to Graduate School?

Obtaining a post-baccalaureate degree will often expand your job opportunities and earning potential beyond that available to individuals with only a Bachelor degree. Graduate programs are more specialized than undergraduate curriculums, so they expand your knowledge of a particular area rather than duplicate the education you have already received. Furthermore, most graduate programs involve pursuing independent research as well as course work which provides a higher level of "hands on" experience than can usually be gained during undergraduate study.

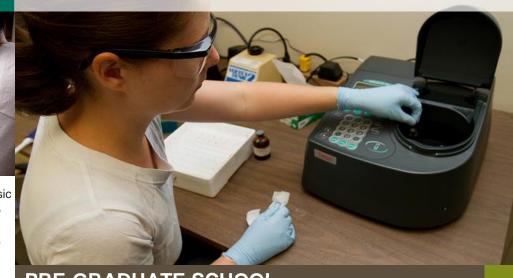
Obtaining Information

If you are interested in going to graduate school, it is best to obtain a broad undergraduate education until you have narrowed your area of interest to one or two areas. Then you can contact individual biology graduate programs to determine what graduate degrees and concentrations are offered.

Pre-Graduate School

This track provides the basic courses required for entrance into most graduate programs in biology. The following course list also satisfies the major requirements for a Bachelor of Science (B.S.) degree in Biology.





PRE-GRADUATE SCHOOL

A. Core Requirements

49 units with a minimum GPA of 2.0

BIOL 2010 Intro Biology- Cells*

BIOL 2110 Intro Biology- Animals

BIOL 2120 Intro Biology- Plants

BIOL 3120 Research Design & Analysis

BIOL 3010 General Genetics

BIOL 3020 General Physiology

BIOL 3110 General Ecology

BIOL 4100 Evolution

BIOL 4910 Senior Seminar

B. Cognates

17 units with a minimum GPA of 2.0

CHEM 1000 Found. of Chemistry

CHEM 1001 Found. of Chemistry Laboratory

CHEM 1100 Found. of Analytical Chemistry

CHEM 2300 Found. of Organic Chemistry

MATH 1050 Precalculus or equiv.

PHYS 2110 College Physics I

The above cognates are the minimum to graduate with a BS in Biology; however, most graduate programs will require additional courses such as:

CHEM 2400 Found. of Biochemistry

CHEM 3300 Organic Chemistry

CHEM 3301 Organic Chemistry Laboratory

MATH 2010 Calculus for the Biological & Chemical Sciences OR

MATH 2510 Calculus I

PHYS 2120 College Physics II

check the entrance requirements for the graduate schools you want to apply to)

C. Electives

At least 20 units of additional upper division coursework in Biology. At least three of these courses must be 4-unit courses with lab and at least one must be at the 4000 level.

Choice of upper division electives should be chosen based on area(s) of interest.



Contact

Phone 661-654-3089

Web www.csub.edu

Office SCI I- 114

- Cell & Molecular Biology
- Plant Science
- Animal Science
- Ecology
- Microbiology

D. Research Experience

BIOL 4880 Research or

BIOL 4860 Internship in Biology

*Note: A grade of C- or better in BIOL 2010 is required to advance into upper division biology courses.



