

Biology

Specific requirements for the Bachelor of Science Degree in Biology.

The curriculum provides study in areas of emphasis such as pre-graduate school preparation, pre-professional preparation (pre-med, pre-vet, clinical science, etc.), teacher preparation, animal biology, plant biology, and cellular/molecular biology. Career opportunities abound in Biology in research, government, education industry, and the medically-related professions. Our graduates have the ability and skills to enter many areas directly upon graduation or to continue on to advanced studies in other specialty areas. Biology majors need to integrate chemistry, mathematics, computer science, and other related areas within the major. Our philosophy is that biological principles and concepts are learned best through experimentation. A low student-to-faculty ratio lets students interact with their instructors. Students use a wide variety of equipment, and have extensive hands-on experience with laboratory and field investigations. This ability to work in small groups, or individually, has been effective in ensuring student success.



Students seeking a Bachelor of Science in Biology must complete the following:

1. Biology Courses:*

- a. BIOL 201 Intro Biology-Cells
BIOL 202 Intro Biology-Animals
BIOL 203 Intro Biology-Plants
- b. BIOL 301 Research Design & Analysis
BIOL 304 General Genetics
BIOL 305 General Physiology
BIOL 306 General Ecology
BIOL 470 Evolution
BIOL 490 Senior Seminar
- c. At least 25 units of additional upper division coursework in Biology. At least three of these courses must be five unit courses with lab and at least one must be at the 400-level.

* A minimum GPA for these 65 units is 2.0.

2. Cognates:*

- a. CHEM 211 Principles of General Chemistry I
CHEM 212 Principles of General Chemistry II
CHEM 213 Principles of General Chemistry III
- b. MATH 191 or equivalent.
- c. At least 5 units in appropriate cognate areas subject to the approval of the advisor.

* A minimum GPA for these 25 units is 2.0.

Natural Sciences, Mathematics & Engineering
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2. General Education Information:

- a. Areas B1-B3 – Satisfied by Biology majors
- b. Theme 1 – Satisfied by Senior Seminar
- c. Area B4 – Recommended MATH 140 or 211.

Scholarships

- Fairie A. Decker Memorial Scholarship
- John Reed Memorial Scholarship
- Friends of Biology Scholarship

Visit our website:
www.csub.edu/biology/scholarships.html

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