

BIOLOGICAL SCIENCES BA

More Information

E-advicing Tools

Students are encouraged to use the interactive e-advicing tools that have been designed to help them graduate within four years. These tools can be accessed through the Student Center.

The Bachelor of Arts in Biological Sciences is designed for students who plan to use biology as a foundation for a career in pharmaceutical industry, healthcare, biomedical product management, regulatory positions, and especially in secondary school science teaching. For students who intend to become secondary school teachers, this degree offers the necessary preparation for earning a single subject credential.

This degree is appropriate for students pursuing single subject matter preparation in science with a concentration in biological sciences. This degree is also an excellent preparation for students considering biology-related interdisciplinary fields. Students who choose this program should consult with their major advisor.

Grading Requirement

All courses taken to fulfill program course requirements must be taken for a letter grade except those courses specified by the department as credit/no credit grading only.

Course Requirements for the Major: 60 units

See Bachelor's Degree Requirements (<https://catalog.csuchico.edu/undergraduate-requirements/bachelors-degree-requirements/>) for complete details on general degree requirements. A minimum of 39 units, including those required for the major, must be upper division.

Course	Title	Units
Introductory Core		
BIOL 161	Principles of Ecological, Evolutionary, and Organismal Biology	4
BIOL 162	Principles of Cellular and Molecular Biology	4
BIOL 163	Principles of Physiology and Development	4
Science Breadth		
BIOL 109	The Biological University Experience	1
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
CHEM 270	Organic Chemistry I	4
ERTH 102	Physical Geology	3
ERTH 300W	Earth System Science (W)	3
PHYS 202A	General Physics I	4
PHYS 202B	General Physics II	4
Upper Division Biology		
BIOL 350W	Fundamentals of Ecology (W)	3
BIOL 360	Genetics	4
BIOL 369	Advanced Plant Biology	3
BIOL 370	Advanced Zoology	3
BIOL 371W	Microbiology (W)	4
Electives		

Select four units from the following: 4
 Any upper division BIOL course chosen in consultation with your Major Advisor

Total Units 60

Electives Requirement

To complete the total units required for the bachelor's degree, select additional elective courses from the total University offerings. You should consult with an advisor regarding the selection of courses which will provide breadth to your University experience and possibly apply to a supportive second major or minor.

See Bachelor's Degree Requirements (<https://catalog.csuchico.edu/undergraduate-requirements/bachelors-degree-requirements/>) for complete details on general degree requirements. A minimum of 39 units, including those required for the major, must be upper division.

General Education Requirements: 48 units

See General Education (<https://catalog.csuchico.edu/colleges-departments/undergraduate-education/general-education/>) and the Class Schedule (<http://www.csuchico.edu/schedule/>) for the most current information on General Education Requirements and course offerings.

This major has approved GE modification(s). See below for information on how to apply these modification(s).

- BIOL 360 is an approved major course substitution for Upper Division Scientific Inquiry and Quantitative Reasoning (UD-B).

Diversity Course Requirements: 6 units

You must complete a minimum of two courses that focus primarily on cultural diversity. At least one course must be in U.S. Diversity (USD) and at least one in Global Cultures (GC). See Diversity Requirements (<https://catalog.csuchico.edu/undergraduate-requirements/diversity-requirements/>) for a full list of courses. Most courses taken to satisfy these requirements may also apply to General Education (<https://catalog.csuchico.edu/colleges-departments/undergraduate-education/general-education/>).

Upper-Division Writing Requirement

Writing Across the Curriculum (EM 17-009 (<http://www.csuchico.edu/prs/EMs/2017/17-009.shtml/>)) is a graduation requirement and may be demonstrated through satisfactory completion of four Writing (W) courses, two of which are designated by the major department. See Mathematics/Quantitative Reasoning and Writing Requirements (<https://catalog.csuchico.edu/undergraduate-requirements/mathematicsquantitative-reasoning-writing-requirements/>) for more details on the four courses. The first of the major designated Writing (W) courses is listed below.

- BIOL 350W Fundamentals of Ecology (W)
- BIOL 371W Microbiology (W)

The second major-designated Writing course is the Graduation Writing Assessment Requirement (GW) (EO 665 (<https://calstate.policystat.com/policy/9585618/latest/>)). Students must earn a C- or higher to receive GW credit. The GE Written Communication (A2) (<https://catalog.csuchico.edu/colleges-departments/undergraduate-education/>)

general-education/#A2) requirement must be completed before a student is permitted to register for a GW course.