BIOLOGICAL SCIENCES BA

More Information

E-advising Tools

Students are encouraged to use the interactive e-advising tools that have
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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 161</td>
<td>Principles of Ecological, Evolutionary, and</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Organismal Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 162</td>
<td>Principles of Cellular and Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 163</td>
<td>Principles of Physiology and Development</td>
<td>4</td>
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</table>

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:

<table>
<thead>
<tr>
<th>Major Advisor</th>
<th>Any upper division BIOL course chosen in consultation with your Major Advisor</th>
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</table>

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).

- BOI 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.

- BOI 350W Fundamentals of Ecology (W)
- BOI 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.