

# BIOLOGY, MINOR

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The minor in Biology provides students with a basic understanding of general biology to supplement a student's major in another discipline. Through consultation with a professional advisor, students may select elective courses that focus on cell and molecular biology, biomedical sciences, organismal biology, or environmental studies. The Minor curriculum also includes a basic background in Chemistry. The Minor in Biology prepares students for careers in academic and industrial research; teaching, through the alternate pathway to certification; and for various careers in the publishing, pharmaceutical, biomedical and biotechnology industries.

Code	Title	Credits
<b>Required Biology Courses:</b>		<b>8</b>
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
<b>Elective Biology Courses:</b>		<b>16</b>
Select a minimum of 16 credits from Biology courses numbered BIOL 230 and higher.		
<b>Required Chemistry Courses:</b>		<b>10</b>
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
<b>Total Credits:</b>		<b>34</b>

1. A minimum grade of "C" is required in each Biology and Chemistry course in order to receive the minor in Biology. Students must achieve an average of "C" (2.0) or better in Principles of Biology I & II before enrolling in higher-level Biology courses.

2. Biology electives should be selected from courses at the 200-level or higher. Students must successfully complete both Anatomy & Physiology I and II to earn Biology elective credits. Students may apply up to 6 credits of Biology Research or Coop Education toward the Minor in Biology requirements.

## Student Learning Outcomes

Upon completion of the Biology, Minor program, students will be able to:

1. Demonstrate knowledge of the factual and theoretical basis of biology including mechanisms on the molecular, cellular, organismal, and systems levels.
2. Demonstrate understanding of scientific inquiry and explain how scientific knowledge is discovered and validated.
3. Apply quantitative knowledge and reasoning to describe or explain phenomena in the natural world.
4. Demonstrate knowledge of basic principles of chemistry and their application to understanding living systems.
5. Communicate scientific information in written and/or oral formats.