

BIOLOGICAL SCIENCES

B.A., B.S. Degrees

Biological sciences is an appropriate major for students interested in the science of life. A baccalaureate degree in biology is a foundation for careers in health, environment, science education and research, and forms the basis for advanced study in graduate and professional degree programs.

Biological sciences majors may pursue either a B.A. or a B.S. degree. Because biology is an interdisciplinary science, both programs include course work in the physical sciences and mathematics. The B.A. requires fewer credits in natural science and more credits in the social sciences and humanities than the B.S. degree, which focuses more intensively on biological science. The B.S. degree without a concentration provides the most comprehensive education in biology. The B.S. degree with a concentration permits some degree of specialization in one of four subdisciplines: cell and molecular biology, physiology, biomedical science, or ecology and evolutionary biology.

Students majoring in the biological sciences must complete a capstone research project during their junior or senior year. The goal of the capstone experience is to apply the skills and information gained in course work to an original research project. Students will signal their intent to complete the capstone requirement by registering for BIOL F400. The capstone research project itself may be completed within one of the several designated courses or by working individually with a faculty mentor. If the capstone project is conducted within a designated course, a passing grade on the research project itself is required to satisfy the capstone requirement regardless of the course grade. Biology course credit for mentored research is available as individual study, BIOL F497. More information about the capstone requirement is posted on the Biology and Wildlife Department website. Students are strongly encouraged to speak to a biology advisor well before their senior year about how they plan to satisfy the capstone requirement.

All biological sciences majors are required to take a standardized examination in the senior year for programmatic assessment purposes. The score on the exam does not affect graduation and is free to the student. The exam is taken during the required BIOL F481 course.

Minimum Requirements for Biological Sciences Bachelor's Degrees: 120 credits

Learn more about the bachelor's degree in biological sciences (<https://uaf.edu/academics/programs/bachelors/biological-sciences.php>), including an overview of the program, career opportunities and more.

College of Natural Science and Mathematics
Department of Biology and Wildlife (<http://www.bw.uaf.edu>)
907-474-7671

Programs Degrees

- B.A., Biological Sciences (<https://catalog.uaf.edu/archives/2020-2021/bachelors/bachelors-degree-programs/biological-sciences/ba/>)
- B.S., Biological Sciences (without concentration) (<https://catalog.uaf.edu/archives/2020-2021/bachelors/bachelors-degree-programs/biological-sciences/bs/>)

- B.S., Biological Sciences (with concentration) (<https://catalog.uaf.edu/archives/2020-2021/bachelors/bachelors-degree-programs/biological-sciences/bs-concentration/>)

Minor

- Minor, Biological Sciences (<https://catalog.uaf.edu/archives/2020-2021/bachelors/bachelors-degree-programs/biological-sciences/minor/>)