

DEPARTMENT OF BIOLOGY

Department Head: Dr. Lori Hensley

242 Martin Hall

The Department of Biology offers a diverse spectrum of undergraduate courses in the biological sciences that enable a student to develop an understanding and appreciation of life, from molecular to ecological, and to develop the strong academic background necessary for pursuing graduate study or a career in biology or the health professions. The department recognizes the importance of both content and process in science education and thus offers the opportunity to develop communication skills and engage in undergraduate research in the biological sciences.

The Bachelor of Arts and the Bachelor of Science degrees with a major in Biology require an overall minimum of 120 hours with a minimum of 36 hours of 300/400 level courses. At least 12 hours of the 300/400 level courses must be taken in residence at JSU. Students must earn a "C" or better in biology coursework and maintain a 2.00 GPA overall and in the courses taken on campus. Once the student has met the requirements for the major, the hours remaining to complete the 120 hours overall will be classified as electives.

The Bachelor of Science degree with a major in Biology is for those who intend to pursue careers in:

- health professions (medicine, dentistry, optometry, physical therapy, pharmacy, veterinary medicine, physician assistant, etc.)
- graduate programs (MS, PhD), biological education, biomedical sciences, biotechnology, conservation biology, environmental biology, organismal biology, marine biology, industrial professions (lab managers, consulting, etc.)
- governmental professions (research scientist, NOAA, NMFS, etc.)

After completing a common core of biology courses, the Biology major may choose a concentration from the listing below. Students pursuing a BS degree in Biology are not required to have a minor in another academic discipline.

- Cellular and Molecular Biology
- Ecology and Environmental Biology
- Marine Biology
- Organismal Biology
- Pre-Health Professional Biology

Advising—Students who plan to earn the BS degree in Biology should consult with the Department of Biology for advisement early in their plan of study and every semester thereafter. To complete the Biology degree program, the students majoring in Biology must plan carefully, since science laboratories can cause scheduling conflicts. An advisor can alert students to potential problems and assist in minimizing such conflicts. It is recommended that the Biology major complete the biology core of two semesters of introductory biology, genetics, cell biology, and ecology early in the course of study. Careful planning will facilitate the opportunity for undergraduate research.

Additional departmental, program, advising, and career information is available at www.jsu.edu/biology (<http://www.jsu.edu/biology/>).

- Biology (Bachelor of Arts) (<https://catalog.jsu.edu/undergraduate/arts-humanities-sciences/biology/biology-ba/>)
- Biology - Cellular and Molecular Biology (Bachelor of Science) (<https://catalog.jsu.edu/undergraduate/arts-humanities-sciences/biology/biology-cellular-molecular-biology-bs/>)
- Biology - Ecology and Environmental Biology (Bachelor of Science) (<https://catalog.jsu.edu/undergraduate/arts-humanities-sciences/biology/biology-ecology-environmental-biology-bs/>)
- Biology - Marine Biology (Bachelor of Science) (<https://catalog.jsu.edu/undergraduate/arts-humanities-sciences/biology/biology-marine-biology-bs/>)
- Biology - Organismal Biology (Bachelor of Science) (<https://catalog.jsu.edu/undergraduate/arts-humanities-sciences/biology/biology-organismal-biology-bs/>)
- Biology - Pre-Health Professional Biology (Bachelor of Science) (<https://catalog.jsu.edu/undergraduate/arts-humanities-sciences/biology/biology-pre-health-professional-biology-bs/>)
- Biology Minor (<https://catalog.jsu.edu/undergraduate/arts-humanities-sciences/biology/biology-minor/>)
- Cannabis Business and Culture Microcredential (<https://catalog.jsu.edu/undergraduate/arts-humanities-sciences/biology/cannabis-business-microcredential/>)
- Cannabis Science Microcredential (<https://catalog.jsu.edu/undergraduate/arts-humanities-sciences/biology/cannabis-science-microcredential/>)

Distinguished Professor

Hensley, Lori L. (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#hensley134>)

Rayburn, James R. (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#rayburn247>)

Professor

Hamissou, Mijitaba (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#hamissou120>)

Lindblom, Timothy H. (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#lindblom173>)

Murdock, Christopher (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#murdock211>)

Tolley-Jordan, Lori (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#tolley-jordan294>)

Triplett, Jimmy (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#triplett296>)

Associate Professor

Burns, Michael (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#burns46>)

Assistant Professor

Brown, Grover III (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#brown41>)

Ingty, Tenzing (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#ingty143>)

Ridlen, Jenna (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#ridlen252>)

Su, Le (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#su285>)

Turner, Ashley (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#turner302>)

Instructor

Smith, Bethany (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#smith267>)

Watkins, Richard (<https://catalog.jsu.edu/undergraduate/faculty-admin/faculty/#watkins315>)