Living Laboratories
Nearby natural resources such as forests, estuarine habitats of the Indian River Lagoon and Atlantic Ocean marine ecosystems are ideal for biological research.

Flexible Foundation
Love biology but looking for flexibility? The general biology program allows you to explore the field and follow your interests, wherever they lead.

Hands-On Science
Biology at Florida Tech is not just something you study—it’s something you go out into the field and do. Seining for fish while knee-deep among mangroves, for example.

The biological sciences examine every aspect of living organisms, from biochemical reactions happening at the cellular level to interactions between creatures and their environment. The general biology program is designed for flexibility. Students learn fundamental biological concepts in their first two years. As upperclassmen, they have the opportunity to follow their own interests in selecting courses that are more specialized.

Why Biological Sciences at Florida Tech?
Led by faculty mentors deeply committed to the success of their students, our biological sciences programs involve students directly in hands-on research. By working in research labs alongside faculty, graduate students and fellow undergraduate students build valuable skills and a highly competitive résumé. Often, students are invited to present their research at regional and national professional meetings. Some are published in research journals. The university’s proximity to a wide variety of marine habitats—from salt marshes and lagoons to the Atlantic Ocean—is another unique benefit of studying biological sciences at Florida Tech. Nature is our classroom.

Your First-Year Experience
At Florida Tech, you will dive into your biological science studies starting day one. Your first year includes two courses in biology, two courses in chemistry and two in calculus—so you build a strong foundation early and quickly. Florida Tech’s “fast start” approach also means that you can get involved in undergraduate research during your first year. Many faculty research laboratories and teams are open to freshman participation. Other first-year experiences you can look forward to as a biological sciences major include small classes taught by professors who know your name and field trips to local marine habitats.

RELATED PROGRAMS:
• Aquaculture
• Conservation Biology and Ecology
• Marine Biology
• Molecular Biology
• Premedical Biology

QUICK FACTS:
• High-achieving students may become members of Tri Beta, the biological sciences honor society.
• The biological sciences department can be found in the F.W. Olin Life Sciences Building and the Harris Center for Science and Engineering.
General Biology

In the general biology program at Florida Tech, students develop a broad and deep background in biology while enjoying more flexibility in course selection.

What to Expect
General biology students may expect small classes and to learn from professors who are passionate about research, teaching and the environment. The biological sciences department is a tight-knit and active community of scholars and learners, with lots of faculty-student interaction and collaboration. Hands-on field and lab work are key components of every student’s experience.

Facilities & Labs
The biological sciences department is housed in modern buildings that contain nine teaching labs, 19 research labs, animal care facilities for small mammals and reptiles, and a greenhouse. Students also have access to an aquaculture center and a well-equipped microscopy suite.

Faculty Research Areas
The biological sciences department includes faculty specializing in aquaculture, molecular biology, ecology, marine biology and biochemistry, so their research spans the field. Current areas of interest include:
- paleoecology
- reef ecosystems
- sportfish population cultivation and conservation
- marine birds, fish and invertebrates
- DNA analysis and chromosome replication
- plant molecular biology

Careers
Graduates of the general biology program are well prepared for entry-level positions in a variety of industries. They go on to work in both commercial enterprises and government agencies, often doing scientific research and analysis related to conservation and health. Biological science graduates often find their first jobs at research-based non-governmental organizations, zoos and aquariums, state and federal agencies, and schools, museums and other educational nonprofits.

Graduate Study
Biological sciences students are prepared to pursue advanced degrees in biology and all of its subfields and have gone on to study at graduate schools such as:
- Dartmouth College
- Duke University
- Emory University
- Johns Hopkins University
- Texas A&M
- UC Davis
- University of Hawaii
- University of North Carolina

Get Specific
Through elective courses in emerging areas and hands-on research projects in far-reaching topics, you can make your general biology experience as specialized as you like.

Wild Experience
From the nearby Brevard Zoo to nearly every theme park in Orlando—where there are animals, there are exciting hands-on internships for biology students.

Explore the Field
Genetics, physiology, conservation, agriculture, marine biology, tropical ecology—if one excites you, you can learn about it here!

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