

# Biology | Bachelor's Degree

	FIRST YEAR	MIDDLE YEARS	LAST YEARS
<b>ADVANCE</b> your academic journey	<p>Meet with a <a href="#">First Year Advisor</a> to develop your academic planning.</p> <p>Take advantage of COSE <a href="#">Virtual Express</a> advising.</p> <p>Participate in the <a href="#">Experiential Education Certificate</a> program.</p> <p>Adopt your <a href="#">University Seminar US1100</a> learning as key for first year success.</p> <p>Explore majors with a <a href="#">MyMajors assessment</a>.</p>	<p>Schedule appointments with the COSE <a href="#">Advising Center</a> and follow registration instructions for course guidance.</p> <p>Consult the <a href="#">Pre-Health Advising website</a> for information on applying to nursing school or health profession programs.</p> <p>Check out the <a href="#">Collaborative Learning Center (CLC)</a> for learning assistance.</p> <p>Explore external scholarship opportunities such as the <a href="#">Fulbright</a> Scholarship to take your expertise to unique locations abroad.</p> <p>Regularly check the <a href="#">curricula and flowchart</a> pre-requisites and co-requisites for courses may change over time.</p>	<p>Check your Degree Audit &amp; meet with your academic advisor.</p> <p>Explore next steps including potential graduate programs.</p> <p>Complement your degree with a <a href="#">micro credential</a>.</p> <p>Meet with a faculty mentor or peer advisor.</p> <p>Complete a capstone project related to major.</p>
<b>EXPAND</b> your personal and social development	<p>Review your degree plan for courses that include the <a href="#">Service-Learning Excellence</a> program.</p> <p>Begin expanding your student experience by joining a student organization through the <a href="#">Bobcat Organization HUB</a>.</p> <p>Find <a href="#">biology-related groups</a> to connect with others majoring within the college.</p> <p>Join <a href="#">science and engineering student organizations or clubs</a> to connect with others majoring within the college.</p>	<p>Consult your academic advisor and learn about <a href="#">biology scholarship opportunities</a>.</p> <p>Meet with an advisor in <a href="#">Education Abroad</a> or <a href="#">Study in America</a> to explore financial aid options toward learning in an international or national setting.</p> <p>Discover <a href="#">Global Online Learning Experiences</a> for courses with culturally dynamic perspectives.</p> <p>Participate in <a href="#">Women in STEM initiatives</a> and the <a href="#">Houston Louis Stokes STEM Pathways and Research Alliance (HLSAMP)</a>.</p> <p>Participate in <a href="#">The Big Event</a> to give back to the regional community.</p>	<p>Participate in <a href="#">department of biology events</a>.</p> <p>Seek out a leadership role with the <a href="#">Leadership &amp; Service</a>.</p> <p>Attend a <a href="#">Student Government</a> Senate meeting to contribute to the TXST community.</p> <p>Attend <a href="#">financial literacy workshops</a> (e.g., budgeting, student loans, taxes).</p>
<b>ENRICH</b> your practical competence	<p>Explore the <a href="#">TXST One Stop</a> for more information about the scholarships provided to new and continuing students.</p> <p>Attend an <a href="#">IDEA Center</a> workshop to learn more about undergraduate research.</p> <p>Consider the <a href="#">STEM Communities Learning Assistance</a> program.</p>	<p>Explore <a href="#">research experience</a> opportunities to learn alongside faculty members or graduate students.</p> <p>Learn about <a href="#">Global Career Accelerator</a> options that give you experience with global companies and in-demand tech skills.</p> <p>Get internship guidance from the <a href="#">internship staff in Career Services</a>.</p> <p>Check out the <a href="#">National Science Foundation (NSF) Research Experiences for Undergraduates (REU) Summer Program</a>.</p>	<p>Explore <a href="#">Undergraduate Research Opportunities</a> to gain hands-on experience and build research skills alongside faculty mentors.</p> <p>Join a professional organization in your major or passion.</p> <p>Attend a conference related to your major (get recommendations from a faculty) or your student organization.</p> <p>Deliver a presentation in a student conference, workshop, seminar or community organization.</p>
<b>ELEVATE</b> your career and professional life	<p>Complete your <a href="#">Career Assessments</a>, such as Focus2.</p> <p>Create your <a href="#">Handshake</a> profile.</p> <p>Create your <a href="#">LinkedIn</a> profile and connect with colleagues and leaders.</p> <p>Develop and review your <a href="#">resume</a> with Career Services.</p>	<p>Build <a href="#">Career &amp; Graduate School Fairs</a> into your schedule to ensure your connection maximum opportunities.</p> <p>Join <a href="#">Employer Information Sessions</a> at Career Services or your department.</p> <p>Prepare to <a href="#">ace your job interviews</a> with Career Services or your academic department.</p>	<p>Attend <a href="#">employer info sessions</a> at Career Services.</p> <p>Develop a full-time employment or graduate school plan with <a href="#">Career Services</a>.</p> <p>Complete your <a href="#">First Destination Survey</a> to share your post-graduation plans.</p> <p>Identify faculty and professional references.</p>

OUTCOMES

## Marketable Skills

- Think critically
- Analyze and solve problems
- Communicate clearly and effectively
- Ability to collaborate manifested as ability to work on research teams and academic teams to develop presentations, and ability to follow oral and written instructions and to provide clear instructions to others
- Ability to convey scientific ideas and concepts orally and in writing in a manner appropriate to the audience; ability to understand, interpret and summarize oral and written scientific communications; ability to criticize arguments rationally

[See more marketable skills for this major](#)

## Experiences in Biology

The bachelor of science degree with major in biology focuses on the study of living things and encompasses every aspect of their existence from zygote to maturity. Biological sciences include studies of organisms and their component parts as well as the environment in which they live. Accordingly, every faculty member in the department is involved in the undergraduate program in biology to lead students through a broad range of courses that support their entrance to medical or other professional schools, graduate programs, and the workforce in laboratories or related fields. Students may participate in a variety of transforming experiences including internships for professional development, Education Abroad or Study in America for global and cultural enrichment, and membership in numerous student organizations for developing peer networks.

## Career Opportunities

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|---|---|
| Health educator                             | Ecologist or wetland scientist            |
| Biological technician or research assistant | Genetic counselor                         |
| Agricultural or food science technician     | Geographer                                |
| Physician liaison                           | Biologist                                 |
| Environmental scientist or specialist       | Physical therapist                        |
| Forensic scientist                          | Occupational health and safety specialist |
| Quality control technician                  | Nurse practitioner                        |
| Pharmaceutical sales representative         |   |
| Food scientist                              |   |