

Biology

Biology is the science of living systems, as it examines the nature, structure, function, and behavior of living organisms and their relationship to the environment. Biology is inherently interdisciplinary, requiring knowledge of a variety of physical sciences and mathematics. At UT Austin, the School of Biological Sciences is comprised of four sections into which faculty are organized based on their primary research interest: Integrative Biology, Molecular Cell and Developmental Biology, Molecular Genetics and Microbiology, and Neurobiology. It is the most popular undergraduate major on campus, and there are a variety of degree options for students of Biology.

Possible Immediate Job Titles with a Bachelor's Degree

Biological Technician

Biological technicians assist laboratory biologists to perform tests and experiments. To become a Biological Technician, coursework in biology, as well as chemistry, mathematics, and physics, is necessary. Along with this coursework, it is extremely important that one gains laboratory experience during their undergraduate career, not only by taking classes that emphasize laboratory work, but also by seeking research experience under a professor.

Water Conservation Specialist

Water conservation specialists not only devise conservation programs for the efficient use of water, but also collect, interpret, and analyze water samples and data to determine if those programs are effective. To become a water conservation specialist, one must not only have a strong background biology, or a related scientific field, but also must be comfortable operating testing-specific technology.

Possible Job Titles with an Advanced Degree

Epidemiologist – Master's Degree Required

Epidemiologists study the causes, and the patterns of those causes, of human diseases. To become an epidemiologist, extensive coursework in public health, biology, and statistics is necessary, and generally, the completion of a semester- or year-long internship is required.

Microbiologist – Master's Degree Required

Microbiologists work in laboratories and offices to study microorganisms. As Microbiologists work in a laboratory setting, it is important that they gain laboratory experience during their undergraduate career, along with coursework focused on microbiology or cell biology. It is also recommended that one is familiar with computer programming software, as this skill is necessary to be able to carry out complex data analysis.

This is not an exhaustive list of occupations and it is highly recommended you conduct informational interviews and engage in experiential learning activities to help you broaden your interest areas within your major. Please contact the Career Design Center and speak to a Career Coach for further discussion; 512-471-6700 Painter Hall (PAI) 5.03.

Online Resources

[What can I do with this major?](#)

[What jobs are available for biology students?](#)

[Is a profession in the biological sciences right for you? Explore Focus2.](#)

Job Posting Websites

[Handshake](#)

Handshake is Career Services' primary job posting site, and all students should have an account to not only apply for jobs and internships, but also to stay current on upcoming events, employer information sessions and other opportunities. Create an account!

[Vault](#)

[AfterCollege Career](#)

[New Scientist Jobs](#)

[Going Global](#)

[Network](#)– via UT

School of Biological Sciences

[Science Jobs Help](#)

[Dice](#)

[Biology Jobs](#)

[BioJobNet](#)

[The Job Network](#)

[BioSpace](#)

Professional Associations

[American Institute of Biological Sciences](#)

[American Society for Microbiology*](#)

[American Society for Cell Biology*](#)

[Federation of American Societies for
Experimental Biology*](#)

*Association Includes a Job Database

Additional Resources

[The Society for Integrative and Comparative
Biology](#)

[The National Academies](#)

[Society for Conservation Biology](#)

[Association for Women in Science](#)

[Science Daily](#)