

BIOTECHNOLOGY



Bachelor of Science in Biotechnology

Biotechnology uses living organisms to make or modify products for a specific use. For centuries we have used biotechnology in agriculture, food production, and medicine. In agriculture, farmers use the by-products of certain organisms to fertilize crops, restore nitrogen, and control pests. During food production, microbial fermentation is used to make wine, beer, bread, and cheese. In medicine, we use antibiotics of microbial origin to clear infections. More recently, we use biotechnology in applied genomics and immunology, production of renewable energy, and reduction of our environmental footprint.

About the Program

The bachelor of science degree in biotechnology is a 121-credit-hour program that provides a rigorous, broad-based curriculum in the liberal arts and in the natural sciences, with a set of courses specifically directed toward the field of biotechnology. This interdisciplinary program will provide you with both entry-level job skills in biotechnology and a strong academic background needed to pursue a master's or doctorate degree in biotechnology, biochemistry, microbiology or molecular biology. The program will also satisfy course requirements for various graduate or professional programs, including doctoral programs in biological sciences and health professions.

Getting Started

- 1. Apply for Admissions**
applytexas.org
- 2. Apply for Financial Aid**
fafsa.ed.gov
- 3. Fulfill Testing Requirements**
uhd.edu/testing
- 4. Get Advised and Register**
uhd.edu/academics/advising
- 5. Pay for Classes**
uhd.edu/students-resources/cashiers
- 6. Prepare for Class**

For more information, visit:
uhd.edu/admissions/apply

Median Salary

According to the U.S. Department of Labor Bureau of Labor Statistics (BLS), the national average salary for a Biological Technician is **\$42,520**; Chemical/Biomedical Engineer is **\$86,250**; Crime Lab Technician is **\$56,320**; Clinical or Research Technician is **\$56,320**; Microbiologist is **\$66,850**; Quality Control Engineer is **\$45,520**; and Technical Writer is **\$69,850**.

Earn Your Degree

- Downtown

Contact

University of Houston-Downtown
713-221-8019 • NS@uhd.edu
uhd.edu/Biotechnology

Affiliated Student Organizations

The **Chemistry Club** is open to students interested in chemistry and polymers, and science in general. It also encourages students who wish to pursue doctoral or professional studies in related fields.

The **American Medical Student Association (AMSA)** is a student-governed, national organization committed to representing the concerns of physicians-in-training.

The **Darwin & Leeuwenhoek Society** is the UHD branch of the American Society for Microbiology (ASM).

The **Environmental Club** aims to raise awareness on environmental issues within UHD and the surrounding community.

The **Health Professions Organization** aims to assist healthcare bound students by providing volunteer opportunities and educational support.



Career Options

The biotechnology industry continues to blossom nationwide and there are many career options to choose from in the field. Graduates find lucrative jobs in manufacturing, quality control and assurance, sales and marketing, and research and development. Depending on the area of interest students study within their degree, career options include:

