

Biotechnology

What can I do with this major?



Related Career Titles

Search for potential careers/jobs in your field with these position titles.

- Biotechnology Lab Technician
- Biotechnology Research Associate
- Chemical/Biomedical Engineer
- Associate Research Scientist
- Quality Control Engineer
- Quality Control Analyst
- Crime Lab Technician
- Clinical Research Associate
- Clinical or Research Technician
- Computer Data Analyst
- Manufacturing or Production Technician
- Accountant
- Sales
- Technical Writer
- Biochemist

Professional Organizations

Affiliate yourself with groups to network and learn about the field

- ✓ *American Medical Students Association, UHD group*
- ✓ *BioHouston, Inc.*
- ✓ *The Darwin and Leeuwenhoek Society, UHD branch of American Society for Microbiology (ASM)*
- ✓ *Health Professions Organization, UHD group*

Explore Career Specific Websites

<http://biohouston.org> | www.biospace.com/ | www.asm.org | www.ama-assn.org | www.aamc.org | www.aacp.org | www.adea.org/ | www.aibs.org/careers | www.biologyjobs.com | www.avma.org | [BioOne Career Center](#)

Graduate School Considerations *Programs not offered at UHD

- | | |
|--|--|
| Master of Science in Data Analytics | Master of Science in Molecular and Cell Biology* |
| Master of Business Administration | Master of Science in Microbiology* |
| Master of Science in Technical Communication | Master of Science in Biochemistry* |
| Master of Science in Biotechnology* | Doctor of Optometry* |
| Doctor of Medicine* | Doctor of Veterinarian Medicine* |
| Doctor of Dentistry* | Doctor of Pharmacy* |

Community Partnerships

Research local organizations that may offer field experiences to students pursuing a Biotechnology degree.

| | | | | | | |
|-----------------|----------------|-------------------|----------------------------|----------------|---------------------------|---------------------------|
| Memorial Herman | Nobilis Health | UT Medical Branch | CytoGenix | Agennix | Houston Methodist | Introgen Therapeutics |
| UT MD Anderson | Synergos | PLx Pharma | Baylor College of Medicine | Cel Associates | Houston Advanced Research | Texas Children's Hospital |

What is Biotechnology?



The Bachelor of Science degree in Biotechnology teaches students how to harness cellular and biomolecular processes to develop technologies and products that help improve our lives and the health of our planet. This program provides 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. This program will also satisfy course requirements for all major pre-professional degree programs in medicine, dentistry, pharmacy, optometry and veterinary medicine.

Interested in discussing your career path possibilities?

Visit S-402 or Call
713-221-8980

The [Career Development Center](#)

Gnarly Gator

Houston, TX • gnarlygator1@gatormail.uh.edu • 832-713-0281

SUMMARY

Highly motivated college senior pursuing a degree in Biotechnology with a strong interest in laboratory work. Well-organized and detail-oriented; efficiently manages multiple tasks and working under pressure without compromising quality. Experienced in executing various laboratory techniques and understanding associated terminology.

EDUCATION

University of Houston-Downtown, Houston, TX

Bachelor of Science in Biotechnology Candidate

May 2018

Minor: Biology and Microbiology

Relevant Courses: Advanced Laboratory in Cell and Molecular Biology, Genetics, Microbiology, Biochemistry, Organic Chemistry, Quantitative Analysis

Houston Community College, Houston, TX

Associate in Science

Dec 2012

LABORATORY SKILLS

Column chromatography, gel filtration chromatography, SDS-PAGE, aseptic inoculations, differential and structural stains, cell counts, selective/differential media, light microscopy, enzyme linked immunosorbent assay, DNA extraction, agarose gel electrophoresis, preparation of medium/reagents, titration, filtration methods, distillation and fractional distillation, and cleaning/sterilizing equipment

RESEARCH

University of Houston-Downtown, Houston, TX

A Comparative Analysis of Nutritional Values in MyFitnessPal's Calorie Counter Jan 2017 – May 2017

- Evaluated discrepancies in caloric/nutritional information provided by a popular fitness app in comparison with equivalent information published by the USDA

EXPERIENCE

University of Houston - Downtown, Houston, TX

Computer Lab Assistant

March 2018 - Present

- Laboratory supervisor and technical assistant for scientific data compilation software: Geneious, ChemSketch

Lyft, Houston, TX

Aug 2017 – Present *Driver*

- Promptly transport clients to their destinations in exceptionally safe and smooth trips
- Consistently earn above average ratings from all clients

Kroger, Houston, TX

Mar 2015 – Jun 2015

Deli Clerk

- Utilized communication, time management, and rapport building skills to deliver high quality service to over 50 clients per shift

ADDITIONAL SKILLS

Language: Fluent in Spanish (reading, speaking, and writing)

Computer: Proficient in Microsoft Office Suite