

# Biology

What can I do with this major?



## Related Career Titles

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

<u>Healthcare</u>	<u>Allied Health</u>	<u>Health Related</u>
Physician	Physical Therapist	Clinical Lab Sciences
Dentist	Occupational Therapist	Bioethicist
Optometrist	Pharmacist	Dietician
Veterinarian	Nursing	Genetic Counseling
<u>Environmental</u>	<u>Plant Biology</u>	<u>Education</u>
Conservation Biologist	Botanist	Biology Teacher K-12
Environmental Scientist	Ethnobotanist	College Professor
Forest Ranger	Horticulture	Museum Educator
Agricultural Scientist	Landscaping	Nature Center/Parks
Marine Biologist		
<u>Industry</u>	<u>Animal Care/Research</u>	<u>Government</u>
Food Safety Expert	Zookeeper	National Health (FDA,
Zymurgy	Gamekeeper	CDC, USDA, NIH)
(Beer/Winemaking)	Fisheries/Aquaculture	City/Community
Drug Testing/Quality		Health
Control		Bioterrorism Expert

## Professional Organizations

Affiliate yourself with groups to network and learn about the field

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

## Explore Career Specific Websites

[www.aibs.org/careers](http://www.aibs.org/careers) | [www.asm.org](http://www.asm.org) | [www.ama-assn.org](http://www.ama-assn.org) | [www.genome.gov](http://www.genome.gov) | [www.aafs.org](http://www.aafs.org) | [www.the-aps.org](http://www.the-aps.org) | [www.aacp.org](http://www.aacp.org) | [www.sustainabilitydegrees.com](http://www.sustainabilitydegrees.com) | [www.nabt.org](http://www.nabt.org) | [www.biologyjobs.com](http://www.biologyjobs.com) | [www.aacp.org](http://www.aacp.org)

## Graduate School Considerations

\*Programs not offered at UHD

Master of Science in Data Analytics	Master of Science in Bioinformatics*
Master of Arts in Teaching	Master of Science in Molecular and Cell Biology*
Master of Business Administration	Master of Science in Environmental Biology*
Master of Science in Biology*	Master of Public Health*
Master of Science in Biotechnology*	Doctor of Medicine*
Doctor of Dentistry*	Doctor of Pharmacy*

## Community Partnerships

Research local organizations offering field experiences to students pursuing a Biology degree.

Memorial Hermann	BP	Texas Children's	UT Medical Branch	RiceTec	Houston Zoo
Houston Methodist Hospital	City of Houston, Health & Human Services		Houston Renewable Energy Group		
MD Anderson	Baylor College of Medicine	Lockheed Martin	Mad Science of Houston	Anheuser-Busch	
Bayou Land Conservancy	Koala Sports Medicine Center	Harris County Institute for Forensic Sciences			

## What is Biology?



The Bachelor of Science degree is designed to meet the personal and career goals and interests of the student. The program allows the student a certain amount of flexibility in tailoring a degree program to his/her unique needs, yet does so within the confines of a traditional major in biology.

Concentrations:

- Environmental Biosciences
- Microbiology
- Molecular and Cellular Biosciences
- Science Education

**Interested in discussing your career path possibilities?**

Visit S-402 or Call  
713-221-8980

The [Career Development Center](#)

# William “Bill” Biosphere

Houston, TX 77082 | bill.biosphere@email.com | 832-000-0000

## SUMMARY

Diligent, bilingual college sophomore pursuing a Biology degree with an interest in neuroscience. Excellent problem-solving, communication and leadership skills.

## LABORATORY SKILLS

Aseptic Transfers and Inoculations, Light microscopy, Cell Counts, Colony Morphology, Differential and Structural Stains, Selective and Differential Media, Biochemical Tests, Antibacterial Susceptibility Test, Radial Immunodiffusion, Agglutination Test, Enzyme Linked Immunosorbent Assay (ELISA), DNA Extraction, Column Chromatography, Membrane Filtration, Agarose Gel Electrophoresis, and Medium and Reagents Preparation

## EDUCATION

University of Houston-Downtown, Houston, TX

May 2017

**Bachelor of Sciences in Biology**

**Minor:** Philosophy

**GPA:** 3.5

**Activities:** National Society of Leadership and Success, Member (May 2015 – Present); American Society of Microbiology, Member (March 2015 – Present)

**Relevant Coursework:** Genetics, Immunology, Medical Microbiology, Microbial Genetics, Microbial Biotechnology

## RESEARCH EXPERIENCE

University of Houston-Downtown, Houston TX

Undergraduate Assistant in “Human mucosal response to Staphylococcus aureus colonization.” Summer 2016

- Isolated and Purified MAP 19, a microtubule-associated protein, by employing different techniques such as centrifuged, dialysis, column chromatography, gel electrophoresis.
- Performed ELISA, enzyme-linked immunosorbent assay, to quantify MAP 19

## PRESENTATIONS

Gator, Gayle. “Prevention of Some Anogenital and Oropharyngeal Cancers by Gardasil Vaccine,” University of Houston-Downtown Symposium. Houston, TX. April 2016. Poster presentation.

- Addressed the importance of Gardasil and Cervarix, vaccines against the Human Papillomavirus types 6, 11, 16, and 18, to prevent and reduce the index of some cervical, vaginal, vulvar, anal and penile cancers.
- Encouraged high school students to have safe relationships and get vaccinated against the most prevalent strains of the Human Papillomavirus.

## EMPLOYMENT EXPERIENCE

Bueno Tex-Mex Restaurant, Houston, TX Server/Hostess November 2009 – Present

- Deliver exceptional, friendly and fast service to promote relationships with customers
- Manage To-Go station serving a daily average of 45 orders and cash flow up to \$3,000.00
- Re-organized seating charts for 10-14 servers during each shift to streamline seating process

## ADDITIONAL SKILLS

Language: Fluent in Spanish (spoken and written); Computer: Advance user of Microsoft Office