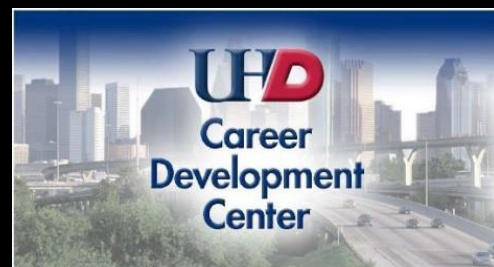


Biology - Microbiology

What can I do with this major?



Related Career Titles

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

- Physician
- Dentist
- Optometrist
- Veterinarian
- Research Assistant
- Food Microbiologist
- Industrial Microbiologist
- Environmental Microbiologist
- Quality Assurance Technologist
- Clinical Microbiologist
- Veterinary Microbiologist
- Medical Technologist
- City/Community Health
- National Health (FDA, CDC, NIH)
- Agriculture Scientist

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)*
- ✓ *Health Professions Organization, UHD group*

Explore Career Specific Websites

www.aibs.org/careers | www.asm.org | www.ama-assn.org | www.genome.gov | www.aamc.org | www.the-aps.org
| www.aacp.org | www.adea.org/ | www.usajobs.gov | www.biologyjobs.com | www.aacp.org | www.avma.org

Graduate School Considerations

*Programs not offered at UHD

Master of Arts in Teaching	Master of Science in Molecular and Cell Biology*
Master of Science in Data Analytics	Master of Science in Bioinformatics*
Master of Business Administration	Master of Science in Biochemistry*
Master of Science in Microbiology*	Master of Science in Genetics and Genomics*
Doctor of Medicine*	Master of Science in Biotechnology*
Doctor of Dentistry*	Doctor of Veterinarian Medicine*

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 with Concentration Microbiology?



The Bachelor of Science degree in Biology with concentration Microbiology is designed to meet the needs of those students interested in medical, dental, and other health related career fields. This concentration requires virology, immunology, medical microbiology and additional courses that cover a broad collection of topics in microbiology.

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 with a concentration in Microbiology

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,

RESEARCH EXPERIENCE

University of Houston-Downtown, Houston TX Summer 2016

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

- 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

LEADERSHIP & ACTIVITIES

President, Beta Beta Beta Biological Honor Society 2015-2016

University of Houston-Downtown Rock Climbing Club, 2013-2015

Volunteer, Star of Hope Homeless Shelter, Houston, TX May-August 2015

ADDITIONAL SKILLS

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