

CAREER ROADMAP:

Biotechnology

Description of Field:

Biotechnology focuses on utilizing naturally occurring processes or products to develop outcomes that address individual and global issues such as health, agriculture, and the environment. Biotechnology includes: Health Care, Agriculture/Aquaculture, Food Processing and Testing, Waste Management, and Biofuels. Biotechnology takes science beyond the bench of discovery, and transitions it into a product or process-based application. Biotechnology incorporates many areas of science, and foundational knowledge in biology, genetics, immunology, chemistry, mathematics, computer sciences, and physics.

General Skills:

Collaborations, teamwork, writing and following protocols, and working with vendors, clients, and regulatory personnel, which requires skills in effective written and oral communication, reading, and organization.

Insider Advice:

Gain hands-on experience to explore different areas of interest and get involved in regional, state, or national industry organizations and science conferences.

Learn about Yourself & Career Options

Examples of Careers:

What Can I Do With This Major: [Biochemistry](#), [Biological Science](#), [Food Science](#), [Healthcare Science](#), [Science Careers](#), [New Scientist](#)

Sample UF Majors:

[Bio Engineering](#), [Chemical Engineering](#), [Chemistry](#), [Food Science and Human Nutrition](#), [Genetics](#), [IDS Bio and Molecular Bio](#), [Mico Bio and Cell Science](#), [Neuroscience](#), [Pharmacology](#)

Career Planning:

Our [Career Planning](#) staff can help you explore interesting major/career options, prepare for and start an internship/job search. Log in to view the ways we can help!

Build Experience

UF Student Organizations:

[Center of Excellence for Regenerative Health Biotechnology](#), [Biomedical Engineering Society](#),
Visit [Student Activities & Involvement](#) for Additional Opportunities

Sample Local Opportunities:

[Florida Innovation Hub](#), [Sid Martin Biotechnology Incubator](#), [UF HHMI](#), [Undergrad Research](#), [AxoGen](#), [Nanotherapeutics](#), [Banyan Biomarkers](#)

Professional Associations:

[BioCentury](#), [Biotechnology Industry Organization](#), [BIOtechNOW](#)

Prepare for Your Next Step

Sample Job Title:

Biochemist, Biomedical Engineer, Biomedical Photographer, Biostatistician, Research Fellow

Sample Employers Recruiting at UF:

RTI Biologics, Algenol, AxoGen, Eton Bioscience, Nanotherapeutics, USDA

Log into [Gator CareerLink](#) to search for employers hiring UF students and additional resources.

Search for Jobs and Internships:

[Gator CareerLink Jobs](#), [Bio Florida](#), [Bio Space](#), [Science Magazine](#)

