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, Biomedical 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

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, Elton 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