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, Elion 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