



Preparing for a biotechnology career



A Florida Atlantic University undergraduate degree with a biotechnology emphasis is a solid foundation on which to build a career. If you decide to enter the workplace after earning your FAU degree, you'll find that an emphasis in biotechnology attracts employers in industry, government, and public health.

What is Biotechnology?

Biotechnology uses living cells and materials produced by cells to create pharmaceutical, diagnostic, agricultural, environmental, and other products to benefit society. The science of biotechnology is also used to alter genetic information in animals and plants to improve them in some way that benefits people. Because biotechnology essentially uses the basic ingredients of life to make new products, it is both a cutting-edge technology and an applied science.

The U.S. Biotechnology Industry

The United States is currently the world leader in the research, development, and commercialization of biotechnology products.

Nearly 80,000 people were employed in the U.S. biotechnology industry in 1992, which had more than \$8.1 billion in revenues. This employment figure represents a 13 percent increase over the previous year.

Compensation in biotechnology companies is competitive and includes incentives, such as stock option plans, 401K plans, company-wide stock purchase plans, and cash bonus plans.

Careers in Biotechnology

The following is a list of typical, entry-level biotechnology positions. Many of the entry-level biotechnology jobs described herein are the first of several tiers within the same general areas of responsibility.

- Research Assistant
- Postdoctoral Fellow
- Media Prep Technician
- Greenhouse Assistant
- Plant Breeder
- Glass washer
- Laboratory Assistant
- Research Associate

Research & Development:

- Environmental Health and Safety Specialist

Quality Control:

- Quality Control Analyst
- Quality Control Engineer

- Quality Assurance Auditor
- Validation Engineer
- Validation Technician

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Clinical Research:

- Clinical Research Administrator
- Clinical Coordinator
- Clinical Programmer
- Biostatistician
- Clinical Data Specialist
- Drug Experience Coordinator
- Clinical Research Associate
- Animal Handler

Manufacturing & Production:

- Product Development Engineer
- Production Planner Scheduler
- Manufacturing Technician
- Packaging Operator
- Manufacturing Research Associate
- Instrument Calibration Technician
- Biochemical Development Engineer

- Process Development Associate
- Assay Analyst
- Manufacturing Engineer
- Market Research Analyst
- Systems Analyst
- Sales Representative

Regulatory Affairs:

- Regulatory Affairs Specialist
- Documentation Coordinator
- Documentation Specialist
- Customer Service Representative
- Technical Services Representative

Administration:

Information Systems:

- Library Assistant
- Scientific Programmer Analyst
- Marketing and Sales
- Technical Recruiter
- Human Resources Representative
- Buyer
- Patent Administrator
- Patent Agent

Check out these websites for additional information:

<http://career.bio.com>

<http://www.biocareer.com/index.cfm>

<http://biotechfind.com/>

<http://www.genelex.com/commonhtmls/Careers.html>

<http://www.fibrogen.com/careers/>

http://www.ornl.gov/TechResources/Human_Genome/education/careers.html

<http://www.biotechemployment.com/>

<http://www.gene.com/gene/careers/jobs/>
<http://www.ncbi.nlm.nih.gov/>
<http://www.whybiotech.com/>



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