



# What Can I Do With a Major in... **Biotechnology**

## **What is Biotechnology?**

Biotechnology programs focus on the application of the biological sciences, biochemistry, and genetics to the preparation of new and enhanced agricultural, environmental, clinical, and industrial products, including the commercial exploitation of microbes, plants, and animals. Instruction includes bioinformatics, gene identification, phylogenetics and comparative genomics, bioinorganic chemistry, immunoassaying, DNA sequencing, genetic engineering, industrial microbiology, drug and biologic development, enzyme-based production processes, patent law, biotechnology management and marketing, applicable regulations, and biotechnology ethics.

## **Potential Employers:**

- ❖ Clinics
- ❖ Medical Labs
- ❖ Livestock/Agricultural Environments
- ❖ Food Inspection Sectors
- ❖ Pharmacies
- ❖ Medical Research Organizations
- ❖ Colleges/Universities
- ❖ Hospitals

## **Possible Job Titles:**

- ❖ Photonic Technician
- ❖ Nuclear Technician
- ❖ Medical Laboratory Technician
- ❖ Science Technicians

- ❖ Health and Safety Inspector
- ❖ Radiation Safety Technician
- ❖ Quality Control Inspector

- ❖ Agricultural Scientist
- ❖ Medical Technologist
- ❖ Food Technologists
- ❖ Food Scientist
- ❖ Astronomer

# How This Major Helps You Move Forward:

## Skills I've learned in this major:

- ❖ Provide support and assistance to scientists and engineers
- ❖ Prepare and process specimens for biological science research or operational procedures
- ❖ Collect and identify specimens
- ❖ Preparation of new and enhanced agricultural, environmental, clinical, and industrial products

## Additional Information can be found at:

[www.assist.org](http://www.assist.org)

[www.salary.com](http://www.salary.com)

[www.uncw.edu/career/WhatCanIDoWithaMajorIn.html](http://www.uncw.edu/career/WhatCanIDoWithaMajorIn.html)

[www.cacareerzone.org](http://www.cacareerzone.org)

[www.howtobecome.com](http://www.howtobecome.com)

## CSU/UC Related Transfer Majors:

- ❖ CSUN: Biology B.S. with Biotechnology/Medical Technology
- ❖ UC San Diego: Bioengineering (Biotechnology) B.S.
- ❖ Cal Poly Pomona: Biotechnology B.S.

Go to [www.assist.org](http://www.assist.org) to see universities that offer these majors

## Graduate Degree Options:

- ❖ UCI: Biotechnology Management MS, Biotechnology MS

This is **general information**. For specific information on majors and careers please see a counselor in the Career Center – Claudia Ramirez (818) 833-3403; [careercenter@lamission.edu](mailto:careercenter@lamission.edu)