



LA Mission College Career Center

BIOTECHNOLOGY

MAJOR SHEETS

SKILLS

(things you will learn or use)

- Analytical and critical thinking
- Organization skills
- Attention to detail
- Investigative skills
- Problem solving
- Quantitative/Research skills
- Written communication

INTEREST

- Conducting research
- Scientific experiments
- Love for animals or plants
- Interest in the medical field
- Curiosity about the natural world

WHAT IS BIOLOGY?

The Biotechnology Innovation Organization, or BIO, states that "biotechnology harnesses cellular and biomolecular processes to develop technologies and products that help improve our lives and the health of our planet." Using this definition, applications for biotechnology are broad from agriculture to medicine, energy production, chemical processing, industrial manufacturing, and bioremediation (or environmental clean-up).

LAMC DEGREES & CERTIFICATES OFFERED

- **Bachelor of Science** in Biotechnology
- **Associate in Science** in Biotechnology
- **Certificate of Achievement** in Biotechnology Lab Assistant
- **Certificate of Achievement** in Biotechnology Research Lab Assistant
- **Certificate of Achievement** in Cell and Gene Therapy

TRANSFER RELATED MAJORS

- **CSU Dominguez Hills:** Biology - option in Cellular and Molecular Biology, Ecology and Environmental Biology, or Microbiology
- **CSU Long Beach:** Biology - option in Biology Education, Molecular Cell Biology and Physiology, Organismal Biology, Microbiology, Marine Biology
- **CSU Los Angeles:** Biology and Microbiology
- **CSU Northridge:** Biology - option in Cellular and Chemistry Biology, Ecology and Evolutionary Biology, Biotechnology/Medical technology, Marine Technology, Microbiology
- **UC Berkeley:** Biology
- **UC Irvine:** Biochemistry and Molecular Biology, Biological Sciences, Biology/Education, Biomedical Engineering
- **UC Los Angeles:** Biology, Integrative Biology
- **UC San Diego:** Biology - option in General Biology, Human Biology, Microbiology, Molecular and Cell Biology

This general information is provided by the LA Mission College Career Center. For specific information about majors and careers please email us to make an appointment at careercenter@lamission.edu



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WORK ENVIRONMENT

- Work in well-lighted labs and stores, standing most of the time.
- Usually work over 40 hours per week
- May be required to lift objects weighing of up to 20 pounds

WEBSITE RESOURCES

- www.lamission.edu/careercenter
- <http://www.lamission.edu/Life-Sciences/AS-T-in-Biology.aspx>
- www.assist.org
- www.salary.com
- <https://uncw.edu/career/whatcanidowithamajorin.html>
- www.cacareerzone.org
- <http://degrees.calstate.edu/>
- https://admission.universityofcalifornia.edu/counselors/files/undergraduate_majors_list.pdf

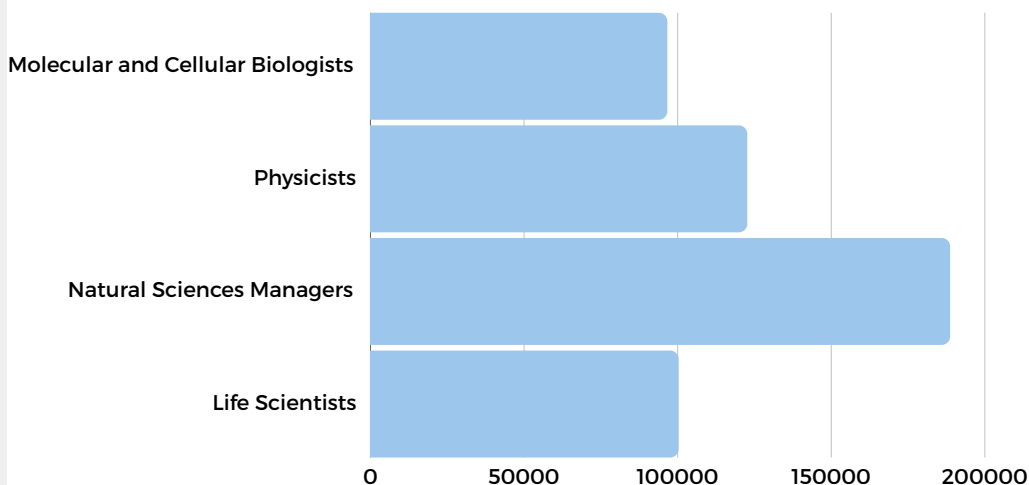
POTENTIAL JOB TITLES

- Life Science
- Dentist
- Natural Science Managers
- Physician's assistant
- Physicists
- Biochemist
- Registered nurse
- Molecular and Cellular Biologists
- Pharmaceutical sales representative

POTENTIAL EMPLOYERS

- Industry and Laboratories
- Pharmaceutical Healthcare
- Environmental Private Research
- Institutions Public Health
- Zoos and Aquariums
- Fish Hatcheries
- Wildlife Preserves and Parks

*EARNINGS



*Earning can vary by occupation and experience. The following are average annual wages as of 2019 in California based on California Career Zone <https://www.cacareerzone.org/>