



# LA Mission College Career Center

## BIOLOGY

### 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?

Biology is a natural science that is concerned with the study of life and living organism including their structure, chemical processes, molecular interactions, physiological mechanisms, development, and evolution. The Biology major provides students with a broad base for understanding principles governing life processes at all levels—molecular, cellular, organism, and ecological. There are many general fields of biology, which include: Biochemistry, Botany, Cellular Biology, Ecology, Evolutionary Biology, Genetics, molecular biology, physiology, and zoology.

#### LAMC DEGREES & CERTIFICATES OFFERED

- **Associates of Science for Transfer (AS-T) Biology**
- **Associates of Science Degree in Biology**
- **Associates of Science Degree in Biotechnology**
- **Certificate in Achievement in Biotechnology Lab Assistant**
- **Certificate in Achievement in Biotechnology Research Lab Assistant**

#### 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](mailto: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 which may include evening and weekend duty
- May be required to lift objects weighing of up to 20 pounds
- In some hospitals, pharmacies are open 24 hours a day
- Public contact is often part of the job

#### WEBSITE RESOURCES

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

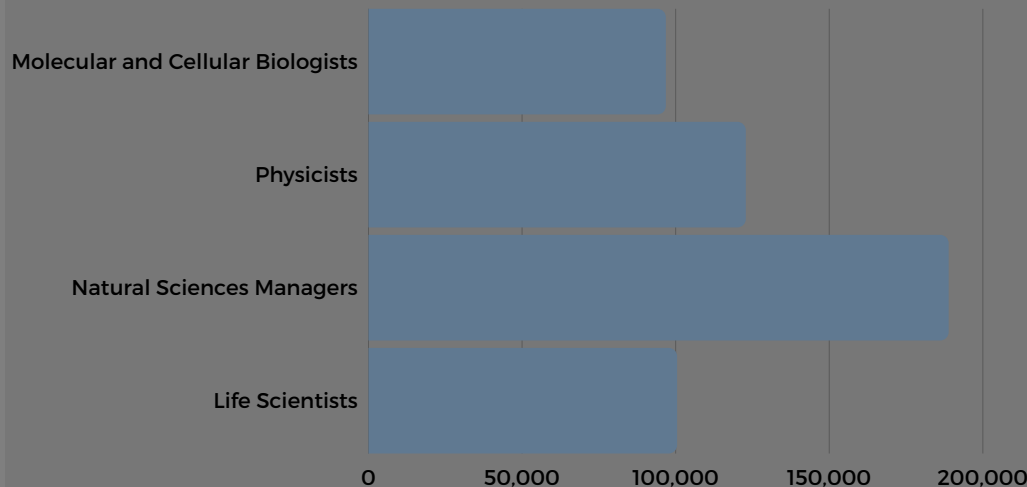
#### POTENTIAL JOB TITLES

- 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/>

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