



What Can I Do With a Major in... **Biology**

What is Biology? The Biology major provides students with a broad base for understanding principles governing life processes at all levels—molecular, cellular, organismal, and ecological. An evolutionary perspective guides all areas of the curriculum—development, behavior, physiology, genetics, and more. Exploring the function, development, and growth of living systems from the human body to global climate, the chief aim of biology is to understand processes of evolution and the genes and cells that act as building blocks in our physical world. A highly multi-faceted and subdivided discipline, with specializations ranging from molecular and cellular biology to botany and physiology, choosing the study biology as an undergraduate can offer many different potential career paths and areas of focus. However, there are also agreed-upon foundations to biology as a university discipline, and your years in an undergraduate biology program will likely require you to study biology at the molecular level up to entire ecological systems, cultivating a well-rounded understanding of the physical world. As a result, biology majors can choose from a long and variable list of potential career options.

Potential Employers

- ❖ Industry and Laboratories
- ❖ Pharmaceutical Healthcare
- ❖ Environmental Private Research Institutions Public Health
- ❖ Zoos and Aquariums
- ❖ Fish Hatcheries
- ❖ Wildlife Preserves and Parks
- ❖ Conservation Agencies
- ❖ Botanical Gardens and Arboretums
- ❖ Museums
- ❖ Agricultural Experiment Stations
- ❖ Inspection Agencies and Control Boards
- ❖ National and International Environmental Organizations

Possible Job Titles

- ❖ Agronomist
- ❖ Environmental Engineer
- ❖ Marine Engineer Technician
- ❖ Animal Scientist
- ❖ Environmental Health Marine Biologist
- ❖ Fisheries Worker
- ❖ Aquaculture Farmer
- ❖ Environmental Protection
- ❖ Marine Geologist
- ❖ Aqua Culturist
- ❖ Science Lab Tech

- ❖ Ergonomist Marine Sales
- ❖ Aquarium/Museum Fish Hatchery Tech
- ❖ Marine Tourist Worker
- ❖ Fisheries Conservation
- ❖ Market Research Analyst
- ❖ Medical Illustrator
- ❖ Barrier Beach Manager
- ❖ Food-Scientist Tech
- ❖ Bio-Engineer
- ❖ Wildlife Biologist

- ❖ Bio-Technologist Genetic Engineer
- ❖ Research Medical Technologist
- ❖ Biochemist
- ❖ Geographer
- ❖ Meteorologist
- ❖ Biometrician
- ❖ Health Officer
- ❖ Microbiologist
- ❖ Horticulturist
- ❖ Molecular Biologist
- ❖ Botanist
- ❖ Water Quality Technician

How This Major Helps You Move Forward:

Skills I've learned in this major:

- ❖ Knowledge of and ability to apply scientific theories
- ❖ Knowledge of laboratory and/or field techniques
- ❖ A firm command of English, both orally and written
- ❖ Ability to perform a variety of tasks both in the office and in the field
- ❖ Able to carefully record and analyze data
- ❖ Take specimen
- ❖ Accurate diagnosis and findings report

Additional Information can be Found at:

www.assist.org

www.salary.com

www.uncw.edu/career/WhatCanIDoWithaMajorIn.html

www.cacareerzone.org

www.lamission.edu/careercenter

CSU/UC Related Major Transfer:

- ❖ **CSUN:** Biology BA, Biology BS (Options in Biotechnology/Medical Technology, Cell and Molecular Biology, Ecology and Evolutionary Biology, Marine Biology, Microbiology)
- ❖ **Cal Poly Pomona:** Biology BS (Options in Botany; Microbiology; Zoology)
- ❖ **UCLA:** Neurobiology FBS

Go to www.assist.org to see universities that offer these majors

CSU/UC Graduate Degree Options:

- ❖ **UCLA:** Biology MS/PhD
- ❖ **SDSU:** Bioengineering MS, Biology MA/MS, Microbiology MS
- ❖ **Cal Poly Pomona:** Biological Sciences 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