



College to Career Connection

Biological Science

What is Biological Science?

Biological Sciences covers all aspects of the scientific study of life and emphasizes both the unity and diversity of living things. Their work increases our understanding about the natural world in which we live and helps us address issues of personal well being and worldwide concern, such as environmental depletion, threats to human health, and maintaining viable and abundant food supplies. The structure, function, and behavior of organisms are studied at the molecular, cellular, organismal and environmental levels. The Biology program at COC serves three areas of a broad background of studies for the biology major preparing for transfer to a four-year institution; support courses in human anatomy, human physiology, and general microbiology; and courses in natural sciences to fulfill general education requirements.

College of the Canyons offers:

[Biological Associate in Science for Transfer \(AS-T\)](#)

[Biological Sciences Associate in Science](#) - will not transfer to a 4 year university

Potential Industries/Employers

- Pharmaceutical and Medicine Manufacturing
- Environmental Private Research Institutions
- Public and Environmental Health
- Zoos and Aquariums
- Wildlife Preserves and Parks
- Conservation Agencies
- Botanical Gardens and Arboretums
- Agricultural Experiment Stations
- Inspection Agencies and Control Boards
- Laboratories
- Technical Consulting Services
- Scientific Research and Development

Possible Job Titles

- Agronomist
- Marine Engineer Technician
- Biometrician
- Bio-Engineer
- Bio-Technologist
- Biochemist
- Botanist
- Marine Ecologist
- Molecular Biologist
- Marine Biologist
- Wildlife Biologist

- Genetic Research
- Health Officer
- Animal Scientist
- Environmental Health
- Research Medical Tech
- Ecologist
- Science Lab Tech
- Microbiologist
- Research Medical Technologist
- Biochemist
- Physician Assistant

How this Major Helps You Move Forward:

Skills Advancement

While College of the Canyons does not endorse all of these opportunities, we aim to provide access:

- [Internships](#)
- [MESA Program](#)
- [College of the Canyons Biology Club](#)
- [American Medical School Association Programs & Events](#)
- [Volunteer](#)

CSU/UC Major Preparation (BA/BS)

- [CSUN: Biology B.A. \(Option in Biotechnology/Medical Technology\)](#)
- [CSULA: Biology B.S.](#)
- [CSUCI: Biology B.A.](#)
- [UCLA: Molecular, Cell, and Developmental Biology/B.S.](#)
- ... and more!

Additional information can be found at:

- [Explore Health Careers](#)
- [Career in Bioscience](#)
- [What Can I do With this Major](#)
- [COC Biological Science Department](#)
- [Assist: Student Transfer Information System](#)
- [Occupational Outlook Handbook](#)
- [O*Net OnLine: Occupational Information](#)
- [Linkedin Alumni Tool](#)
- [COC Physician Assistant Student Club](#)

Associations

Association is a group of people who come together for a common purpose. You can find helpful information about jobs and careers.

- [American Medical School Association \(AMSA\)](#)
- [The American Institute of Biological Sciences](#)
- [American Society for Biochemistry and Molecular Biology \(ASBMB\)](#)
- [American Society for Microbiology \(ASM\)](#)
- [Biotechnology Industry Organization \(BIO\)](#)
- [National Science Foundation \(NSF\)](#)

This is a general information. It is not an exhaustive, comprehensive list. For specific information on majors and careers please connect with your professors and visit the counseling center at <https://www.canyons.edu/student-services/counseling> | 3/19/21