

What can I do with this major?

Students with degrees in biology currently have careers as:

Health Sciences Track (Pre-Professional)

- Dentist or Orthodontist
- Medical Doctor
- Medical Scribe
- Osteopathic Medicine
- Pathologist Assistant
- Pharmacist
- Physician Assistant
- Public Health Educator
- Veterinary Doctor

Cell, Molecular & Biotechnology Track

- Cancer Biologist
- College Faculty
- Forensic Investigator
- Genetic Engineer
- Laboratory Technician
- Microbiologist
- Patent Examiner
- Quality Control Scientist
- Research Scientist

Organismal & Evolutionary Biology Track

- Agriculture and Food Scientist
- Arborist
- Botanist
- Conservation Biologist
- Museum Curator
- Oceanographer
- Paleontologist
- Water Quality Specialist
- Wildlife Rehabilitation
- Zoologist

Experiential learning

Faculty often invite students to work with them on their own research projects in areas including:

- Cancer biology
- Entomology
- Molecular mechanisms of embryonic development in zebrafish
- Molecular microbiology of infectious diseases
- Physiological adaptations of plants to environmental stress
- Physiology of hibernation in marmots
- Plant genetics and breeding

Why should I major in biology at HPU?

- Jobs in health care consistently rank among the highest in-demand jobs in the USA. Our Health Science track can prepare you with the coursework needed for these professional programs.
- Coronavirus/Covid-19. Cancer. Climate Change. Through biology, you can be part of the solution to some of the world's greatest challenges.
- In the midst of our planet's 6th major mass extinction, the demand for citizens equipped with the knowledge and skills to solve current and future ecological and environmental challenges is greater than ever.
- Biology sharpens critical thinking and analytical skills, which are applicable to a variety of professional positions, even outside of the sciences.
- We are standing at the precipice of a DNA revolution—our Cellular and Molecular Biology track will prepare you for a future in these cutting-edge fields.

Global experiences

The Biology Department offers a variety of Global Experience opportunities for students in the program. Students have the opportunity to travel to Australia, Ecuador and the Galapagos Islands to study diversity and culture as a part of the HPU Global Experience Program. Biology students can journey to the Philippines and discover the diverse country, from sprawling rice fields to bustling urban cities, as well as ecotourism and conservation efforts. Students have also conducted research projects in the beech forests of New Zealand, the páramo of Colombia and the Rocky Mountains, USA.

Top pre-professional tracks

- Dentistry
- Medicine
- Pharmacy
- Physician Assistant
- Veterinary

Holistic learning

Within our program, special emphasis is placed on science as a process. As a result, hands-on, experiential learning opportunities are abundant, both within classrooms and teaching laboratories and through original research. As a result, our curricula foster within students not only the knowledge base, but also the critical thinking, communication and collaboration skills that prepare them for success in their future careers and for leadership roles within society.



