



## Bachelor of Arts, Bachelor of Science and Master of Science **BIOLOGICAL SCIENCES**

Faculty in the Department of Biological Sciences share an enthusiasm for discovery, a passion for learning and a strong commitment to training and educating students.

Pacific's broad curriculum allows students to pursue individual interests with in-depth coursework and independent research opportunities. Unlike many larger institutions, many biology courses at Pacific include lab components where students develop bench and field skills and practice in critical thinking and data analysis.

Pacific also offers unparalleled original research opportunities for undergraduate students and close faculty-student interactions.

Our flexible programs prepare students for careers in teaching and industry, or to pursue advanced degrees in molecular and cellular biology, genetics, biochemistry, microbiology, physiology, ecology or organismal biology.

The department also readies students for health-based professional fields, including dentistry, pharmacy, medicine, biotechnology, nursing or physical therapy. Faculty advisers work with Pacific's Thomas J. Long School of Pharmacy and Health Sciences and the Arthur A. Dugoni School of Dentistry admissions committees to help students transition to professional programs.

### **PROGRAM FEATURES**

**Beta Beta Beta  
Honor Society**

**Hands-on lab  
experience**

**Opportunities for  
undergraduate research**

**Modern facilities and  
cutting-edge lab equipment**

UNIVERSITY OF THE  
**PACIFIC**

**Department of Biological Sciences:**

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Please visit **Pacific.edu/Biology** for more information



I chose to study biology at Pacific because I wanted to have a close relationship with my professors. We have a very rigorous but rewarding program.

**DUSTIN JOHNSON**  
BS Biological Sciences

### **The Major**

The department provides courses of study leading to a BS or a BA in biological sciences, a minor in biological sciences, and a master's of science degree that will prepare students for entry into PhD programs and other careers. As the most popular major in the college, admission into these programs is highly competitive.

### **Career Opportunities**

The degrees are sufficiently flexible to prepare students to pursue a variety of scientific and health-based careers. Programs in the department prepare students for professional fields such as dentistry, medicine, pharmacy, medical technology, nursing or physical therapy, as well as advanced degrees in biology-related fields. No matter what career objective, students are exposed to the major areas of the biological sciences, which helps them choose a career path that suits their interests and skills.

Preparation for admission to the undergraduate program should include high school work in algebra, geometry, trigonometry, biology, chemistry and physics.

### **Experiential Learning Opportunities**

Many students participate in undergraduate research. Over a period of one or more semesters, these students closely interact with faculty on research projects and get hands-on experience with modern research instruments. Stipends are available to selected undergraduates for summer research.

Students also are encouraged to participate in cooperative education or internship experiences, such as working in dental offices or medical clinics, or joining external summer research programs.

### **OUTCOMES**

The biology department's programs are sufficiently flexible to prepare students to pursue careers in molecular and cellular biology, botany, microbiology, physiology or organismal biology as graduate students. Recent graduates are enrolled in programs at institutions around the world, including:

- Yale University
- Stanford University
- University of California, Los Angeles
- University of California, San Francisco
- University of Southern California

### **DEGREES OFFERED**

Bachelor of Arts  
Bachelor of Science  
Master of Science  
(see Graduate Catalog for information)

### **MAJORS OFFERED**

Biological Sciences (BA, BS, MS)  
Biological Sciences for Teaching  
Credential Candidates (BS)

### **MINORS OFFERED**

Biological Sciences

For more information, please visit:

 [Pacific.edu/Biology](https://www.pacific.edu/Biology)