



CAREER *and* INTERNSHIP HIGHLIGHTS

Biologists are essential for research, development and production within the biomedical and pharmaceutical fields. They are key staff members at government agencies that manage wildlife, agriculture, population health and the environment. They work at NGOs focused on health and wellness or the environment and serve as educators at secondary schools, museums and nature preserves. A general biology degree is also a sufficient base for entering into most healthcare professions.

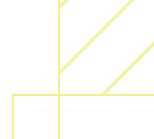
Jefferson is known for crossing disciplines to reimagine the way students learn with an approach that is collaborative and active; global; integrated with industry; focused on research across disciplines to foster innovation and discovery; and technology-enhanced. As a national doctoral research university, Jefferson delivers high-impact professional education in 160 undergraduate and graduate programs to 7,800 students in architecture, business, design, engineering, fashion and textiles, health, social science and science.

The Jefferson College of Life Sciences provides undergraduate, graduate and postdoctoral education and research training in the life sciences to prepare you to make significant contributions in life science through careers in academia, industry and government. Our students have gone on to continue with additional graduate and professional education and training programs or directly into successful careers at colleges and universities, pharmaceutical and biotechnology companies, healthcare settings, government agencies and many other professional venues.

PROGRAM HIGHLIGHTS

- Learn from expert faculty with expertise ranging from molecular genetics to conservation biology.
- Gain an understanding of biological concepts and competencies through laboratory-based courses and hands-on fieldwork.
- Attend classes alongside pre-medical, physician assistant and biochemistry students for interdisciplinary perspectives.
- Score an internship through our industry connections.
- Take a research essentials class to prepare yourself for a research experience.
- Conduct research with faculty partners.
- Present your research project before peers at annual poster presentations.
- Enroll in courses that teach the programming skills a modern biologist needs.
- Travel to Costa Rica to learn about field research in our faculty-led short courses.
- Join collaborative projects to carry out work at the interface of science, design and entrepreneurship.

Curriculum



YEAR

1

Pathways Seminar
Written Communication
Debating U.S. Issues
Chemistry I Lecture
Chemistry I Lab
Biology I Lecture
Biology I Lab

Calculus I
Calculus II
Research Essentials
Chemistry II Lecture
Chemistry II Lab
Biology II Lecture
Biology II Lab

2

Ethics
Writing Seminar II: Multimedia Communication
Global Diversity
Organic Chemistry I
Organic Chemistry I Lab
Organic Chemistry II

Organic Chemistry II Lab
Biology Elective (3-4 credits)
Principles of Genetics Lecture
Principles of Genetics Lab
Medicinal Plants
Free Elective (3-4 credits)

3

American Diversity
Global Citizenship
Debating Global Issues
Integrative Seminar
Biostatistics
Physics I Lecture

Physics I Lab
Physics II Lecture
Physics II Lab
Biodiversity
Advanced Biology Electives (6-8 credits)

4

Capstone Folio Workshop
Life Science Seminar
Advanced Biology Electives (9-12 credits)

Independent Research in Biology
Free Electives (12-16 credits)

