



CAREER *and* INTERNSHIP HIGHLIGHTS

Our chemistry program is known for educating inquisitive, analytical, talented and innovative professionals:

- Learn from expert faculty who are engaged in high-caliber research projects.
- Score a great internship at The Academy of Natural Sciences and similar institutions through our real-world connections.
- Present a year-long research project before the scientific community at a local or national conference.
- Use state-of-the-art facilities to attain advanced chemistry experience.

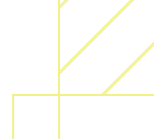
Jefferson is known for crossing disciplines to reimagine the way students learn with an approach that is collaborative and active; global; integrated with industry; focused on research across disciplines to foster innovation and discovery; and technology-enhanced. As a national doctoral research university, 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

- Study a rigorous American Chemical Society-approved curriculum in a stimulating and supportive environment.
- Learn to test your theories by applying the scientific method through hands-on research and experimentation.
- Build on your skills in critical, innovative thinking to prepare for top graduate programs and careers.
- Work independently and in teams, in preparation to present your discoveries before the scientific community.
- Enjoy access to the nation's top internship opportunities, providing you with global perspectives and opening doors to careers.
- Upon graduation, you will be ready to continue your education in top graduate programs, or start a career in the pharmaceutical, medical or biochemical fields.

Curriculum



YEAR

1

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

Calculus I
Physical Education or Service Learning
Calculus II
Chemistry II Lecture
Chemistry II Lab
Biology II Lecture
Biology II Lab
Calculus II

2

Ethics
Writing Seminar II:
Multimedia Communication
Global Diversity
Calculus III
Physics I Lecture
Physics I Lab

Physics II Lecture
Physics II Lab
Organic Chemistry I
Organic Chemistry I Lab
Organic Chemistry II
Organic Chemistry II Lab

3

American Diversity
Global Citizenship
Debating Global Issues
Integrative Seminar
Biochemistry I Lecture
Biochemistry I Lab

Biochemistry II Lecture
Biochemistry II Lab
Instrumental Methods Analysis
Physical Chemistry I
Physical Chemistry II

4

Capstone Folio Workshop
Inorganic Chemistry
Free Electives (12 credits)

Advanced Chemistry Electives
(9-10 credits)

