

Active-learning. Faculty mentorship. Hands-on research from day one. State-of-the-art instrumentation. All in a supportive, inclusive environment that students can call home. It's this distinctive combination of characteristics that sets the Department of Chemistry and Biochemistry apart from other programs. Here, you'll be guided at every turn by faculty experts and your fellow majors, who will challenge you to think critically and reflectively about the natural and physical world. It's not uncommon for our undergraduates to publish scientific work in peer-reviewed journals or present at national meetings. These student-driven experiences result in graduates ready to tackle the world's most pressing problems, in the field or in prestigious graduate programs.

B.S. Chemistry

This program is for students who are interested in advanced graduate degrees or employment as a chemist in the chemical/pharma industry immediately upon graduation. Every student will receive at least 400 hours of hands-on work in the teaching laboratory. Additional opportunities are available for students who are interested in undergraduate research.

B.S. Biochemistry

This program is excellent preparation for students who are interested in research and advanced study, employment in the biotech/pharma industry, or for those who may be interested in the health professions. Students will combine introductory courses in chemistry and biology with advanced lecture and laboratory courses in biochemistry. Opportunities also exist to conduct original research with a faculty member.

B.A. Chemistry

This degree program is more flexible than our B.S. degrees, with fewer required courses in chemistry. This enables students to tailor their curriculum to meet their individual needs. Students frequently use this option if they plan to double major in another discipline, if they are interested in the health professions, or wish to combine a science degree with more focused offerings at PC, such as the Business Innovation minor.

B.A. Secondary Education - Chemistry

This degree program is designed for students who want to teach chemistry at the high school level. Courses for the B.A. in Chemistry are combined with specialized courses in Education and a student teaching component to prepare students to become effective chemistry teachers.



Explore Courses of Study
and More





PLACES, PEOPLE, AND PROGRAMS

The new Science Complex (pictured above) features state-of-the-art chemistry and biochemistry labs that include the latest technologies, such as a 400 MHz Bruker Avance NMR spectrometer and analytical instrumentation for fluorescence spectroscopy, UV-Vis absorption spectroscopy, and fast kinetics.

Students are eligible to participate in unique programs, such as the NASA Student Airborne Research Program, the Brookhaven Nuclear Chemistry Summer program, and the RI-INBRE and RI C-AIM Summer Undergraduate Research Fellowship program.

Our distinguished faculty members have work published in leading scientific journals and nationally recognized publications and have earned terminal degrees from the country's top research universities, including Cornell, Illinois, Michigan, Penn State, Texas, Wisconsin, Virginia, University of California San Diego, and UPenn.

Selected Places of Employment

Pfizer • Merck • Vertex Pharmaceuticals
Sanofi • Isotope Laboratories
National Institutes of Health
Charm Science, Inc. Emergent Biosolutions
GSK • Wave Life Sciences
Lifespan
Massachusetts General Hospital
Sonora Quest Laboratories
Ocean Spray Cranberries

Selected Graduate Schools

Colorado State University
Boston College
University of Pennsylvania
University of California-San Diego
Drexel College of Medicine
University of Notre Dame
Stony Brook School of Dental Medicine

95%

of **Chemistry and Biochemistry graduates** are employed or attending graduate school

(Providence College classes of 2018 – 2022)

chemistry.providence.edu