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
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 countries 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