

# Chemistry (BA, BS)



## PROGRAM OVERVIEW

Students in Drexel University's Department of Chemistry explore the traditional disciplines of chemistry and the intricacies of chemistry in the natural and technological worlds.

Through hands-on research and access to state-of-the-art instrumentation to explore atomic- and molecular-scale structure, macroscopic properties and reactivity, Drexel chemistry majors gain the skills and experience needed to excel as leaders in research, teaching and innovation. Our graduates have been recognized for their contributions to academic, industrial and governmental research organizations around the world.

The technical and creative-thinking skills acquired in Drexel's Chemistry program prepares students for careers in a wide range of specialties within the chemical and pharmaceutical industries. Others have typically enrolled in professional schools to prepare for careers in **MEDICINE, DENTISTRY OR LAW.**

## INNOVATIVE CURRICULUM

Notable courses offered within this department include:

- Qualitative Organic Chemistry
- Synthetic Polymer Chemistry
- Why Things Work: Everyday Chemistry
- The Chemistry Behind Drugs: Fundamentals of Medicinal Chemistry
- Atmospheric Chemistry



## DEGREES OFFERED

The first two years of the program are taught by chemistry faculty (not graduate students) in classes that consist exclusively of chemistry majors, allowing for small class sizes and close peer interaction.

### BACHELOR OF SCIENCE IN CHEMISTRY

A complete introduction to the many subfields of chemistry, complemented by significant hands-on laboratory and research experience and culminating in a yearlong research project with a faculty member. The degree is certified by the American Chemical Society, assuring potential employers that students are properly trained and prepared for careers in a range of industries including pharmaceutical, biotech, environmental, manufacturing and other allied fields. Students who have an interest in biology can choose the Biochemistry concentration within the BS degree.

### BACHELOR OF ARTS IN CHEMISTRY

Designed for students who want a foundational education in chemistry and the flexibility to select courses in other fields of science. The BA degree is less demanding mathematically than the BS degree, and is well suited for those interested in professional schools and other chemistry-related fields. This degree is suitable for students interested in medical school or who would like to pursue a double major. While research is not a requirement for this degree, there are many opportunities to conduct research in the department.

*\*Note: students interested in the BS/MD Early Assurance program must choose the Bachelor of Arts option.*

## DREXEL CO-OP

Co-operative education options prepare chemistry students to pursue advanced education and careers across wide-ranging areas. Previous co-op placements include:

**GLAXOSMITHKLINE • JOHNSON & JOHNSON**  
**NASA • MERCK • ETHICON AND ARKEMA.**

## BEYOND THE CLASSROOM

### RESEARCH OPPORTUNITIES

Beginning as early as freshman year, students gain critical laboratory experience using Drexel's state-of-the-art instrumentation and technology. Areas for more intense study within the major include atmospheric, biological, environmental materials, mechanistic, theoretical and synthetic chemistry.

The wide diversity of research conducted by Drexel faculty affords numerous choices for advanced practical study to help define students' specific interests and career direction. These research experiences often result in co-authorship of one or more scholarly papers and opportunities to present at regional and national conferences, and they provide a distinct advantage upon graduation.

### STUDENT CLUBS AND ORGANIZATIONS

American Chemical Society; Forensic Science Club; American Medical Women's Association

LEARN MORE  
ABOUT THE  
PROGRAM



## CONTACT US

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