Who We Are

Quick Facts

- We offer B.Sc., M.Sc., and Ph.D. degrees in Chemistry.
- Our Bachelor of Science Degree is certified by the American Chemical Society.
- Over 90 - 95% of our undergraduate and graduate students are employed upon graduation.
- Most of our undergraduates are accepted into graduate and professional schools following graduation.
- Our faculty is diverse with ~25% women, over 75% are people of color, and has representatives from across the United States of America and many international countries.
- First HBCU to offer a Ph.D. in Chemistry.
- A leading producer of African-American degree holders in Chemistry.

Undergraduate Course Requirements

- Year 1: General Chemistry I/II (Lecture/Lab)
- Year 2: Organic Chemistry I/II (Lecture); Organic Chemistry Lab
- Year 3: Physical Chemistry I/II (Lecture/Lab)
- Year 4: Analytical Chemistry (Lecture/Lab); Instrumental Analysis (Lecture/Lab)
- Students must take the Calculus sequence I – III.
- Students are encouraged to take Chemistry Electives.
- Other Requirements: Students must also complete general education courses required by The College of Arts and Sciences.
About Us

The Department of Chemistry at Howard University has over 25 faculty and staff, approximately 150 undergraduates, and 20 graduate students. We offer both undergraduate and graduate degrees in chemistry. Many of our undergraduates go on to become research chemists, pursue a graduate degree, or enter professional schools such as pharmacy, dentistry, or medicine. While our department continues to be a leading producer of African-American chemists, we pride ourselves for awarding degrees to students from all ethnic backgrounds and to both national and international students.

Undergraduate Degree

The department offers a Bachelor of Science degree in Chemistry. The degree encompasses the traditional chemistry core classes (General, Organic, Analytical, Physical) and modern courses at the forefront of the chemical sciences. The degree prepares students for industry, graduate school, and professional programs such as pharmacy, dentistry, and medicine. We offer seminars for students to emphasize professional development and offer research opportunities throughout your career as a Howard University Student. Students are assigned a faculty advisor to help navigate their undergraduate career.

“One thing I like is that I have a really good relationship with the professors in the department. They are very helpful and care.”
–Ms. Sparkle Allen (B.Sc. Spr. 18)

ACS Student Affiliate Group

Our students are actively involved in the American Chemical Society student affiliate chapter. Students are encouraged to participate in activities.

Professor Maynard teaching organic chemistry.

Undergraduate Research & Internships

Undergraduates are strongly encouraged to participate in research within the department or engage in summer internships in industry. Usually after their first semester of Organic Chemistry. Our faculty also foster collaborative research relationships with organizations such as the National Institute of Health, National Institute of Standards and Technology, and many more! This provides our students the opportunity to learn from the faculty at Howard University and the professional community.

Certification

Our B.Sc. degree is certified by the American Chemical Society.