

Chemistry (B.S./B.A.)



Benedictine University
College of Science & Health

WHY STUDY CHEMISTRY AT BENEDICTINE?

The chemistry major at Benedictine University has a decades-long history of preparing students for success. More than 75% of chemistry majors graduating between 2013 and 2018 enrolled in graduate or professional schools or are currently employed in a chemically related field. Individual mentorship and advising help create an experience that is designed to ensure the success of chemistry students at Benedictine. During the past 10 years, our faculty members have collectively published 60 articles in peer-reviewed journals and have received more than \$250,000 in private and federal grants to support student and faculty research and the development of new teaching methods in our classrooms. Benedictine students have the unique opportunity to choose between earning a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) in Chemistry.

ACADEMIC EXCELLENCE

The Benedictine chemistry program has maintained approval by the American Chemical Society (ACS) for more than five decades, and majors experience best-practices curricula. Every faculty member holds a Ph.D. and is committed to a quality, one-on-one experience with our students.

ENGAGED LEARNING AND RESEARCH

Students experience discovery-based laboratory curricula and can participate in faculty research projects as early as their freshman year. An undergraduate research project is built into the curriculum for chemistry majors. Many present their research results at regional or national professional conferences.

FINANCIAL SUPPORT

In addition to being eligible for University aid, our majors are well-supported financially through several endowed scholarships specifically for chemistry majors. Financial support for participation in the summer research program and travel opportunities to conferences is also available.

SIMILAR MAJORS:

Biochemistry/Molecular Biology, Physics, Health Science, Biology, Engineering Science

CHEMISTRY ALUMNI

Our recent graduates have enrolled in top-tier Ph.D. programs at the The University of Chicago, Ohio State University, The University of North Carolina at Chapel Hill, Northwestern University and Purdue University — just to name a few. Others have gone on to successful careers at Argonne National Laboratory, AbbVie, Nanophase Technologies Corp. and crime laboratories with the Illinois State Police and DuPage County Sheriff's Office.

SAMPLE COURSES:

- CHEM 3231: Instrumental Analysis
- CHEM 3261: Biochemistry
- CHEM 4347: Medicinal Chemistry
- CHEM 4398: Chemical Research

COLLEGE OF SCIENCE AND HEALTH

The College of Science and Health promotes a culture of academic excellence and experiential opportunities. Inspired by the Benedictine values and a century-long tradition of hands-on learning, we are committed to engaging faculty and students in scientific and clinical interdisciplinary teaching, research and scholarship. Varied modalities such as face-to-face, hybrid, and online learning coupled with laboratories, internships, fieldwork and clinical practice experiences provide an array of robust learning experiences and community engagement that will prepare you to pursue your dreams. Our faculty and staff in Lisle, IL and Mesa, AZ seek to provide diverse, equitable and inclusive learning experiences that promotes an environment where all feel welcome. We offer a wide range of undergraduate programs that provide the requisite knowledge and skills to be successful in careers in the biological, physical, chemical, mathematical, computer, health, nutrition and engineering sciences. On behalf of the faculty and staff in the College of Science and Health, we invite you to visit us to share your goals and passion for learning as a member of the Benedictine community.



100+ YEARS

of laboratory-based science training.



RESEARCH

All students have opportunities to do internships, clinical practicums, or investigative and applied research.



PUBLISH

Students regularly publish their work in professional science and health care journals with their faculty mentors.

Students have hands-on access to modern, research-grade instruments valued at more than \$500,000. Only a few undergraduate colleges and universities the size of Benedictine have ready access to a fluorescence microscope, spectrofluorometer, flow cytometers, CO2 incubators, laminar flow hoods and other specialized equipment. Birck Hall of Science boasts its own cadaver lab, and a large computing cluster is available for computational science coursework and research.

I can sum up my experience at Benedictine in one word, 'challenging.' Let's face it, organic chemistry is not going to be easy no matter where you take it or who you take it with. But the fact that the science professors had an open-door policy made it very doable, even enjoyable. As a serious science student, if you took the time and put the effort into your coursework, your professors were willing to put the time into you. They knew who you were — something that is simply not possible in lecture halls filled with several hundred students."



NINA GOYAL, B.S.'98, BIOLOGY, M.D

Eye Physician and Surgeon Partner at University Ophthalmology Associates and Assistant Professor at Rush University Medical Center, Chicago

MAJORS WITHIN THE COLLEGE OF SCIENCE AND HEALTH

Biochemistry/
Molecular Biology

Biology (B.A./B.S.)+

Chemistry (B.A./B.S.)+

Computer Information
Systems+

Computer Science+

Data Science

Engineering Science

Food and Nutrition
Management

Health Education
and Promotion

Health Science

Mathematics+

Nutrition and Dietetics

Physics+

GET INVOLVED

College-Related Student
Clubs and Organizations
Student Association of
Nutrition and Dietetics
Club (SAND)



+ Denotes majors that are also available as minors