

Concentrations

- Biochemistry
- Biopharmaceutical Sciences
- Environmental Chemistry
- Traditional Chemistry

About the Major

The Shepherd University Department of Chemistry includes six full-time faculty members, all of whom have Ph.D. degrees in chemistry. The program has 50-60 students majoring in chemistry. Students can select one of the four concentrations that best matches their interests:

- **Biochemistry Concentration:** This area of study can lead to employment or graduate studies in the biochemical or biomedical fields. Students planning to go to medical, dental, veterinary, or pharmacy schools usually choose the biochemistry concentration.
- **Biopharmaceutical Concentration:** The biopharmaceutical concentration is designed for students who plan on becoming pharmacists.
- **Environmental Concentration:** This concentration is designed for students desiring to enter graduate programs or those who want to work for environmental companies and organizations.
- **Traditional Concentration:** This concentration stresses physical chemistry and is usually chosen by those interested in employment or graduate programs in physical, organic, inorganic, or analytical chemistry.

Careers

A chemistry degree provides an excellent starting point for many different careers. Our graduates have become lab scientists in the chemical, biochemical, biotech, and environmental testing industries. Many other graduates have continued their education in graduate or professional school and have become college professors, chemical engineers, physicians, dentists, pharmacists, physician assistants, administrators at medical insurance companies and hospitals, sales representatives, and scientific writers.

Get Involved

The Chemistry Society

The Chemistry Society, a student affiliate of the American Chemical Society, provides a support system for students. It allows students to become better acquainted with other students and the faculty. The Chemistry Society offers field trips, networking with successful alumni, fun demonstrations and events, and service projects that inspire the younger generation about the STEM fields.



Chemistry students volunteering at the annual Seeding Your Future conference that is designed to inspire more girls to become interested in STEM careers.

Points of Pride

- A feature of the chemistry program that differs from many schools is that all chemistry majors take a required research course that gives them **practical, real-world experience in chemistry**.
- **All our faculty have doctoral degrees in the field of chemistry**, who are available for help and advice during every lecture and lab.
- Our students have been accepted in graduate or professional programs, such as Arizona State University, Cornell University, Florida State University, Ohio State University, Penn State University, University of California Los Angeles, University of North Carolina at Chapel Hill, University of Texas at Austin, University of Vermont, University of Virginia, University of Washington, and West Virginia University.
- All Shepherd chemistry majors **get hands-on experience** with sophisticated modern instrumentation.



Contact

For more information about the program, contact:

Dr. Dan DiLella

Professor and Chair of the Department of Chemistry

304-876-5430

ddiella@shepherd.edu

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www.shepherd.edu/chemistry

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Shepherd
UNIVERSITY

Office of Admissions

Ikenberry Hall 103

Shepherd University

P.O. Box 5000

301 North King Street

Shepherdstown, WV 25443-5000

304-876-5212

www.shepherd.edu/admissions

