Opportunities in Chemistry

The Chemistry and Biochemistry Department is staffed by eight full-time faculty, most of whom hold a Ph.D. They are dedicated to teaching and mentoring our undergraduate chemistry students. Our faculty are committed to student success, and individual attention is a hallmark of our program. As a result, you will be prepared for the many career opportunities existing in applied chemistry, research technology and teaching.

A background in chemistry and biochemistry is an excellent foundation for entrance into graduate and professional schools. DelVal’s program is approved by the American Chemical Society (ACS), and our graduates are certified by the ACS.
Our Facilities

DelVal’s well-equipped laboratories and small class sizes provide the setting for the “hands-on” approach to learning that has long been the College’s tradition. The College is committed to providing only the best and most useful equipment for all chemistry students. Most recently, the following major instruments have been added to support the academic instruction program:

- Perkin-Elmer FT Infrared Spectrometer
- Perkin-Elmer Differential Scanning Calorimeter
- Gow-Mac Gas-Liquid Chromatograph with Temperature Programming
- Perkin-Elmer Atomic Absorption Spectrophotometer
- Fisons Instruments Carbon/Nitrogen Analyzer
- Shimadzu UV-Visible Spectrometer
- Varian NMR Spectrometer
- Agilent Liquid Chromatography/Mass Spectrometer

Funding for this equipment was provided by the Mandell Foundation, the Rohm & Haas Company, the Pennsylvania Department of Environmental Resources and International Flavors and Fragrances, Inc. New computers with the latest computational and chemical modeling programs have been installed in our laboratories.

Chemistry at DelVal

The chemistry faculty believe your education should possess a strong foundation in chemical knowledge. The vigorous course of study prepares you for a solid career in chemistry and provides the background for further study at the graduate level.

As a chemistry major, a student can minor in another program on campus. A pre-med or pre-vet chemistry major is another option, which provides excellent preparation for medical or veterinary school. A joint program with the Secondary Education Department allows students to attain teaching certificates in chemistry and general science.

Freshman Year

First Semester
- General Chemistry I

Second Semester
- General Chemistry II

Sophomore Year

First Semester
- Organic Chemistry I
- Descriptive Environmental Chemistry
- Physics I

Second Semester
- Physics II
- Organic Chemistry II
- Biochemistry
Junior Year

First Semester
- Radioisotope Techniques or Physics III
- Analytical Chemistry
- Physical Chemistry I
- Advanced Techniques — Computers

Second Semester
- Physical Chemistry II
- Instrumental Analysis
- Inorganic Synthesis Laboratory

Senior Year

First Semester
- Organic Analysis
- Advanced Inorganic Chemistry Seminar
- Radioisotope Techniques or Physics III

Second Semester
- Advanced Biochemistry
- Advanced Organic Chemistry
- Advanced Physical Chemistry

Additional opportunities exist to study forensics, laboratory safety, fire-protection safety and hazardous-materials management.

The Employment Program

Your college experience at DelVal will be individual and enriching. Our philosophy of “hands-on” learning — through the College Employment Program — prepares you for the work force in a unique way. You graduate with classroom experience and practical experience, a substantial résumé, and the confidence employers seek. Will you become a research chemist? A forensic scientist? A chemistry teacher? Perhaps you will continue your education in a Master’s degree program. Your career goals are the focus of the academic programs at Delaware Valley College. Students gain the experience employers want, and our success rate speaks for itself. For the past five years, 100 percent of our students are employed or accepted into graduate school within six months of graduation! Starting salaries for our most recent graduates have ranged from $35,000 to $55,000.

Recent employers for our chemistry majors include:
- Eli Lilly and Company, National Starch and Chemicals,
- Rohm & Haas Company, Merck & Co., Inc., FMC Corporation,
- Teva Pharmaceuticals USA, Colgate-Palmolive, Penn Color, Inc.,
- GlaxoSmithKline and Wyeth

Recent Graduate Schools:
- Lehigh University, University of Pittsburgh, Seton Hall University,
- Temple University, Cornell University, Ohio State University,
- Iowa State University and University of Akron
INVITATION TO VISIT

Delaware Valley College has generous financial aid—both need-based and merit programs—that are described in brochures and other materials that are available from the Admissions Office.

We welcome campus visits and are pleased to arrange tours of our laboratories in the Mandell Science Building and visits to classes in session. We also encourage you to speak with our faculty and students about crafting your future with us.

For more information about the Department of Chemistry and Biochemistry at Delaware Valley College, contact:

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Email: admitme@delval.edu

or

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