

School of Sciences

Overview:

Chemistry is the central science essential for a complete understanding of the physical world. Stevenson University's Chemistry program, planned in accordance with the requirements of the American Chemical Society (ACS), offers you a broad selection of courses and provides an excellent background for any scientific, technological or professional career. Focus on laboratory work and research are emphasized. The main branches of chemistry include organic, inorganic, physical, analytical, and biochemistry.

Acquired Skills MOST Valued by Employers:

- Understand Chemical Principles
 - Analyze Chemical Data
 - Design/Execute Experiments
 - Communicate Scientific Information
 - Critical Thinking/Problem Solving
 - Oral/Written Communications
 - Teamwork/Collaboration
 - Digital Technology
 - Leadership
 - Professionalism/Work Ethic
 - Career Management
 - Global/Intercultural Fluency
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Common Pathways:

- Quality Assurance/Quality Control
 - Forensics
 - Nuclear Medicine
 - New methods/product development
 - Chemical Engineering
 - Environmental Safety and Health
 - Chemical and Materials Science
 - Regulatory Science
 - Qualitative Analysis and Quantitative Analysis
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Please note that some of these pathways require an advanced post bachelor's degree

Common Industries:

- Pharmaceutical
 - Biotechnology
 - Waste Management
 - Plastics
 - Agricultural chemical companies
 - Food manufacturing
 - Chemical instrumentation companies
 - Petroleum
 - Government
 - Private Research labs and organizations
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Sample of Employers of Stevenson University students:

- Army
- Brain Science Institute
- Eurofins: Lancaster Laboratories Fuchs North America
- Giant Pharmacy
- Ross Technologies Corporation
- Stevenson University

Internship Sites for Stevenson Students:

- Athena Enzyme Systems
- CVS Pharmacy
- Fuchs North America (previously Baltimore Spice Company)
- Giant Pharmacy
- Johns Hopkins Hospital
- Maryland Army National Guard
- MedStar Harbor Hospital
- Sinai Hospital
- University of Maryland School of Medicine
- University of Maryland School of Pharmacy

Graduate Schools Attended by Stevenson Alumni:

- Stevenson University
- West Virginia University School of Medicine
- University of Delaware Graduate School in Chemistry
- University of Pittsburgh Graduate School in Chemistry
- University of Maryland School of Pharmacy
- The Ohio State University College of Pharmacy
- Liberty University College of Osteopathic Medicine

An Employer's Perspective:

“Employment of chemists is projected to grow 6 percent from 2012 to 2022, slower than the average for all occupations. Chemists and materials scientists with an advanced degree, particularly those with a Ph.D., are expected to experience better opportunities.”

<http://www.bls.gov/ooh/life-physical-and-social-science/chemists-and-materials-scientists.htm>

Employers value the ability to meet deadlines, attention to detail, problem solving skills, analytical and problem solving ability, communication, and innovative thinking.

Salaries:

According to the NACE Salary Survey, the average starting salary for chemistry majors nationwide was \$63,818. However, salaries are dependent upon the industry, level of position, and geographical region. A few good resources for researching salaries of specific jobs within various industries are www.salary.com and www.payscale.com. You can find additional sources of information regarding salaries for chemistry careers at the American Chemical Society website <http://www.acs.org/content/acs/en/careers/salaries/surveys.html>.

