

Chemistry



program

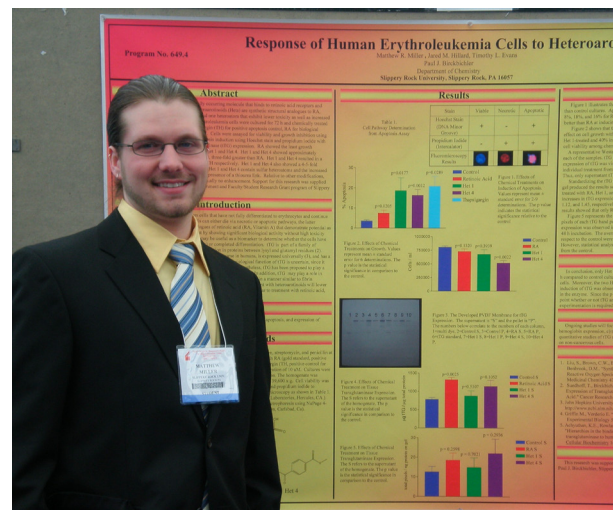
Students choose the SRU Chemistry Program for the high-quality instruction, ability to work one-on-one with professors, and the low-cost tuition at SRU.

The **biochemistry concentration** allows the student to focus on techniques most useful in pharmacy and medical-related careers. SRU has a 3+3 affiliation with the Lake Erie College of Osteopathic Medicine's School of Pharmacy (LECOM) leading to a BS in Chemistry after successful completion of three years at SRU plus one year at LECOM, and a Doctor of Pharmacy upon completion of the program at LECOM.

The **forensics concentration** includes Introduction to Criminology, Forensic Analysis, and Criminal Investigations to provide theory and hands on laboratory experience for forensic-related careers.

The **environmental concentration** includes Air and Water Quality Assessment and Geochemistry courses, which prepare students specifically for analysis of air, water, and soil samples. These are standard procedures performed by those working for environmental protection agencies and consulting firms.

Upon completion of any of the programs/concentrations, students can enroll in the master of education degree program for secondary instruction. Preparation for state certification in general science is also possible.



As a chemistry student at SRU, you can:

- Take hands-on laboratory courses to develop laboratory skills, chemical analysis techniques, and analytical thinking capabilities.
- Acquire a theoretical and experimental background for work in industry, education, medicine, research, or admission to a graduate program of study.
- Participate in faculty-directed research and present results at regional and national meetings.



student organizations

Chemistry Club Members can take part in:

- Student activities
- Field trips
- Local events (Chem Games, Earth Day)
- Pre-professional development activities (speakers from industry and universities offering graduate programs)

Majors and Minor

Majors:

- Chemistry (BA)
- Chemistry (BS)
- Chem/Biochemistry Concentration (BS)
- Chemistry/3+3 Pharmacy (BS)
- Chem/Environmental Concentration (BS)
- Chem/Forensic Concentration (BS)
- Chem/Pre-masters in Ed (BA)
- Chem/Pre-masters in Ed (BS)

Minor:

- Chemistry

<http://www.sru.edu>

SlipperyRock
University
of Pennsylvania

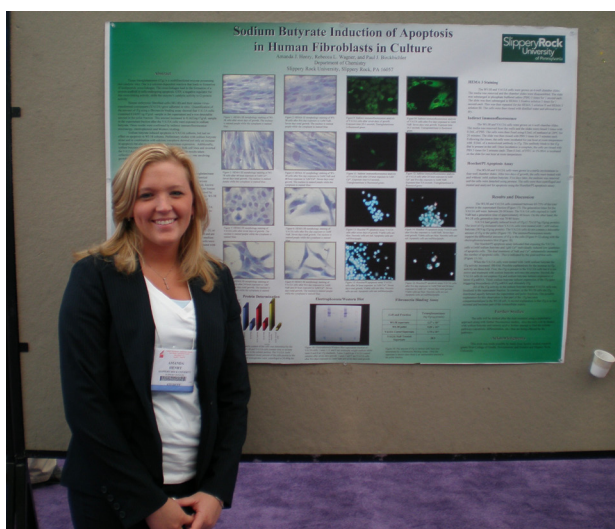
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Chemistry



career opportunities

SRU graduates of the chemistry programs are currently working in research and development, sales, and management. Others are teaching at the secondary and college levels. Still others are enrolled in post-graduate programs. The above careers clearly indicate that chemists can choose from a range of career opportunities to match their interests and goals.



There are many opportunities in the medical profession for chemists conducting research leading to quality-of-life-improvement medications, pharmaceuticals, and forensics. Additional opportunities include long-range research either in academia or industry leading the way for innovative products to enhance our lifestyle. Opportunities in environmental protection with federal or state agencies, such as the EPA, DEP, and OSHA are also possibilities.

Chemists can also elect to teach at the secondary or university level upon completion of the appropriate graduate program. Chemists use their knowledge of science and mathematics along with highly developed critical thinking skills to solve a variety of problems throughout their day. With these assets, chemists are valuable to companies because they can be involved in the many aspects of product development, quality control, quality assurance, and safety.

internships/research experiences

Students have the opportunity to further develop their areas of particular interest by participating in summer internships. Announcements are posted and applications are typically due in early March. Local internship sponsors include The Carnegie Science Center, PPG, The Pittsburgh Tissue Institute, Duquesne University, and Kent State University.

SRU chemistry majors have participated in research experience for undergraduates (REU) programs at numerous universities throughout the United States. These summer programs are funded by the National Science Foundation (NSF) and provide grant stipends, housing accommodations, and in some cases, travel assistance. Through internships and REU programs, students gain valuable research and analytical skills. Students also begin the process of professional networking, which often leads to job offers and references. Check out the link to the Chemistry Department Web page listed below to learn more about the individual programs and what SRU has to offer you.

Contact Info:

Admissions Office

146 North Hall Welcome Center
Slippery Rock University
Slippery Rock, PA 16057
Phone: 724-738-2015
E-mail: admissions@sru.edu
Campus Tours: 1-800-929-4778
Web: www.sru.edu/undergraduateadmissions

Department Contact:

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Slippery Rock University is an equal opportunity/affirmative action institution
A member of the Pennsylvania State System of Higher Education

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