



# Department of Chemistry at Sam Houston State University

**T**he search for knowledge in the physical sciences is an ever-changing and exciting field of study and chemistry is at the heart of this scientific search. There are many opportunities available in the Department of Chemistry at Sam Houston State University for undergraduate and graduate students striving for careers in academic fields of chemistry, positions in chemical industries or medical sciences.

These include:

## **Bachelor of Science**

The Chemistry Department at SHSU offers a B.S. degree in chemistry (B.S. Plan I) which is certified by the **American Chemical Society** (ACS). B.S. Plan II is available to prepare students for other careers in chemistry. For those students interested in biochemistry and biotechnology, Plan II can be modified for an emphasis in **Biochemistry—Biotechnology** or **Secondary Teacher Certification** in Chemistry and a Second Field. A number of our students who have received degrees in Chemistry have gone on to further graduate

study or have found careers in the medical sciences, petroleum and pharmaceutical chemistry, environmental chemistry, forensics, and a number of other chemistry affiliated careers.

## **Master of Science**

Students can pursue two different post graduate degrees in Chemistry. Plans I and II define a research based M.S. and include a written **thesis** summarizing research performed by the student under the direction of a Chemistry faculty member. Plan I includes a minor field. Plan III substitutes graduate level chemistry courses to replace thesis credit hours and does not entail directed research.

## **Pre-Professional Studies**

The Department of Chemistry has successfully guided a number of students through our pre-professional curricula and into programs at other schools. Students receive their education at SHSU and then transfer to **professional schools** such as the Chemical Engineering

Program at Texas A & M. Our curricula include courses supporting careers in:

- CHEMICAL ENGINEERING
- MEDICAL TECHNOLOGY
- MEDICINE
- PHARMACY
- DENTAL HYGIENE
- DENTISTRY

## Chemistry Club

The J. C. Stallings Chemistry Club chapter of the Student Affiliate of the ACS provides a relaxed social atmosphere for students in the department. Members participate in chemical demonstrations at grammar, high schools, and science fairs, an annual trip to the **regional ACS meeting**, and lots of club paid pizza.

## Scholarships

The department of Chemistry currently has a number of scholarships available for students in good academic standing. These are comprised of both academic and research scholarships and include:

- CHEMISTRY ACADEMIC SCHOLARSHIPS
- JEFFREY ZAGONE MEMORIAL SCHOLARSHIP

- J. C. STALLINGS SCHOLARSHIP
- RAY E. HUMPHREY SCHOLARSHIP
- ROBERT A. WELCH RESEARCH FELLOWSHIPS
- SHSU CHEMISTRY ALUMNI SCHOLARSHIP

**Last year the department distributed \$16,000 to our majors whose grade point averages showed that they were successful in their studies in chemistry.**

In addition, many undergraduates find employment assisting within our Department teaching student laboratories or working in the stock room.

**Inquiries** about our program should be addressed to

**Department of Chemistry  
Sam Houston State University  
1902 Avenue J  
Farrington 104  
Huntsville, Texas 77340**

or access Chemistry's World Wide Web Home page at

**<http://www.shsu.edu/~chemistry>**