

Chemistry (CHEM)

Program Overview

Students will study all aspects of chemistry and related disciplines. General areas covered include analytical chemistry, inorganic chemistry, organic chemistry, and physical chemistry. Specialized areas include environmental chemistry, medicinal chemistry, biological chemistry, computational and theoretical chemistry, polymer chemistry, and materials chemistry including nanostructures and advanced instrumentation.

The program offers four options:

- Biomolecular Chemistry Option
- Environmental and Analytical Chemistry Option
- Materials Chemistry Option
- Pure Chemistry Option

This program provides excellent general training in both analytical thinking and problem solving. The curriculum, which includes basic training in analytical, inorganic, organic, and physical chemistry and modern laboratory techniques and skills, has been specifically designed to allow students maximum flexibility in determining the extent of their specialization.

Career Prospects

Our graduates have gone on to become chemists or technicians in government laboratories or private accredited laboratories, school teachers, environmental consultants, chemical engineers, Chinese medicine researchers, pharmaceutical lab chemist, marketing representatives for lab equipment suppliers and computer companies, scientific patent officers, script writers, reporters for science journals or magazines, as well as postgraduates that pursue higher degrees in both local and overseas universities.