



# Chemistry



## Program Overview

The Department of Chemistry offers both a Bachelor of Science and a Bachelor of Arts degree in Chemistry. Within the B.S. degree, the department offers a concentration in Biochemistry. Both the Chemistry and Biochemistry B.S. degrees are approved by the American Chemical Society. These curricula are designed to prepare students for graduate school, professional school, or research positions in industry and governmental agencies. The B.A. degree provides less specialization in chemistry and greater opportunity for studies in other fields. This curriculum is recommended for those who wish to obtain a Standard Teaching Credential with Specialization in Secondary Teaching as well as for those students needing a broader background in science while still specializing in chemistry. The Department of Chemistry emphasizes hands-on learning with modern instrumentation including: a modern computational chemistry laboratory, GC-MS, AA, FT-IR, HPLC and a modern multi-nuclear FT-NMR. The faculty and staff train our majors on how use the instrumentation through our lab intensive courses and undergraduate research opportunities, and we make all of the instrumentation available for our majors to use independently.

A degree in chemistry will provide a solid preparation for a broad range of occupations, such as those listed to the right. A major factor influencing employability is preparation in a specialized field. We have active undergraduate research programs where you have the opportunity to specialize in a particular area of chemistry. The research areas include: biochemistry, physical chemistry, molecular modeling, inorganic chemistry, organic chemistry, organometallic chemistry, floral-scents, molecular electronics, marine chemistry, aqueous chemistry, trace metal analysis, and atmospheric chemistry. In general, the chemistry student with additional skills or a highly specialized emphasis has advantages in the job market and in getting accepted to graduate programs.

## Bachelor of Science

Concentrations available in:  
Biochemistry  
Chemistry

## Bachelor of Arts

## Minor

## Related Careers

Analytical Chemist  
Biochemist  
Biotechnologist  
Chemical Analyst  
Chemical Engineer  
Environmental Consultant  
Food And Drug Inspector  
Forensic Chemist  
Genetic Engineer  
Geochemist  
Histochemist  
Hazardous Materials Specialist  
Inorganic Chemist  
Laboratory Technician  
Medical Technologist  
Nutritionist  
Organic Chemist  
Patent Researcher  
Pharmacologist  
Pharmacy Technician  
Physical Chemist  
Quality Control Specialist  
Research Assistant  
Science Librarian  
Scientific Journalist  
Toxicologist

Some of the careers listed may require additional or specialized coursework.



## For more information

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