



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.



For more information

Department of Chemistry
chemistry@humboldt.edu
 707.826.3277
humboldt.edu/chemistry

Office of Admissions
hsuinfo@humboldt.edu
 866.850.9556
admissions.humboldt.edu

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

Careers listed may require additional education. For more information about careers & employers, see the Chemistry Career Guide.

Academic & Career Advising Center
acac@humboldt.edu
 707.826.3341
humboldt.edu/acac
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