



a place of mind

UBC Department of Chemistry

Chemistry is the study of matter and the changes that matter undergoes via physical and chemical processes. Understanding these changes can be applied to the meaningful development of new products. Chemistry allows us to synthesize medications like human insulin, investigate alternative fuels to reduce global warming or develop new instrumentation useful for medical diagnostics like tumour detection.

Why Chemistry?

Studying chemistry at UBC is a great experience. We have world-renowned faculty that conduct cutting edge research with the aid of a number of shops and services including a glass-blowing studio, shared instrument facility, biological services lab and much more. Housed in one of the oldest buildings at UBC (we often serve as a backdrop for a number of movies and TV shows), we have been a staple on campus for many years. In addition, the student-run Undergraduate Chemistry Society holds great social and academic events throughout the year.

Careers

What can you do with an undergraduate degree in chemistry? There are a wide range of opportunities available in a number of related fields such as materials and biomedical sciences, bioengineering and chemical engineering, food science, pharmacology, toxicology, oceanography or marine science. Chemists conduct important research in government, industry, university and clinical labs, and teach in schools and post-secondary institutions.

Chemistry can also lead to medical, dental or veterinary school or professional studies in areas like business and law. Chemistry opens the doors for any number of careers, from science journalism to forensics.

Admissions

Prospective undergraduates must apply for acceptance to the Faculty of Science. Students work towards a Bachelor of Science (BSc) and can specialize in the area of their choosing. First year science students take a generalized program and

then choose a major prior to their second year. Admission to the Faculty of Science is competitive. For more information on how to apply, visit:

<http://science.ubc.ca/future/apply>

UBC Faculty of Science Requirements

Grade 12 courses	Grade 11 courses
<ul style="list-style-type: none"> English 12 or English 12 First Peoples Principles of Mathematics 12 or Pre-Calculus 12 (minimum 67%) Two other approved Grade 12 courses, including at least one of Biology 12, Chemistry 12, Geology 12, or Physics 12 	<ul style="list-style-type: none"> English 11 plus a language 11 Mathematics 11* Physics 11 and Chemistry 11 An approved Social Studies course <p>*Equivalent to Principles of Mathematics 11, Pre-Calculus 11, or Foundations of Mathematics 12</p>

For detailed UBC Admission Requirements, including a list of approved courses, please refer to <https://you.ubc.ca/ubc/vancouver/bcyt.ezc>

Your Program of Study

Our programs include:

Bachelor of Science (BSc) major in Chemistry
Bachelor of Science (BSc) minor in Chemistry
Combined Major with another Science Program (such as biology, mathematics, statistics or physics)

You can also apply for the Honours program or undertake a co-op work term.

More Information

www.chem.ubc.ca

www.facebook.com/ubcchemistry

