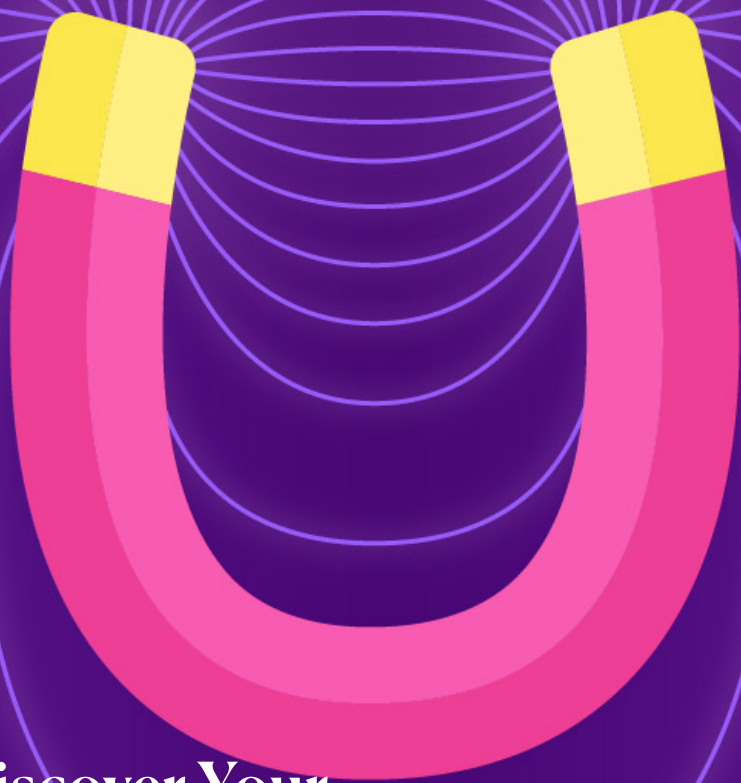




CONCORDIA
UNIVERSITY
OF EDMONTON



Discover Your
**Bachelor of
Science**
in Chemistry

CHEMISTRY

Program Overview

3-year BSc: This degree will provide you with an excellent general education as well as a solid background in the core areas of biology. This pathway is a great choice if you're planning to earn another degree or diploma in a related field such as environmental health or optometry, or if you just need a bachelor's degree to kickstart your career.

4-year BSc: Our 4-year program allows you to study the discipline in greater depth. You'll have the opportunity to take additional senior-level courses, participate in advanced lab classes, and also have the opportunity to pursue a major research project. This pathway is a great choice if you're looking to gain admission to a graduate program (e.g. Master's, PhD).

Career Options

A Bachelor of Science degree allows you to explore a wide range of job opportunities upon graduation. You will be able to use your newfound research, analysis, and experimentation skills to forge your own career path. Some chemistry degree career paths include:

Analytical Chemist	Pharmaceutical Chemist
Meat Inspector	Museum Interpreter
Organic Chemist	Natural Resources Policy Analyst
Quality Control Technologist	Soil Scientist
Food Scientist	Researcher
Lab Technician	Toxicologist

Admission Requirements

Interested? You'll need to present a 60% average, with a passing grade in the following required high school courses:

- English Language Arts 30-1
- Mathematics 30-1 or 30-2
- Two subjects from Group C
- One subject from Group A, B, C or D

**Applicants pursuing a Chemistry concentration or major are strongly encouraged to present Chemistry 30*

Interesting Courses

CH 261 - Basic Organic Chemistry I: Structure, three-dimensional shape, physical properties, and reactivity of simple organic compounds based on their functional groups; introduction to structure determination. Highlights applications to compounds of importance and interest in the natural and industrial world, including petrochemicals, halogenated organics, and polymers. Laboratory work introduces basic manipulative techniques and illustrates some of the more important reactions covered in lectures.

CH 382 - Quantum Chemistry: Learn about the concepts and applications of quantum chemistry, including: potential well, hydrogen atom, many-electron atoms, Hartree-Fock approximation, diatomic molecules, and neutral molecules.

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