Faculty of Science

APPLIED CHEMISTRY

Bachelor of Science (BSc)

Chemistry plays a role in almost everything we do. As a central science, it is closely connected with biology, math and physics. During the course of your studies, much of your learning will occur while actively working on problems in class, during tutorials, and in the laboratory. You’ll gain the experimental and theoretical background for career opportunities through completing the co-op program and participating in research, product and food development, education, and more.

Did You Know?

We offer study abroad programs in more than 40 countries, and also provide funding opportunities to help cover the costs!

Awards

BOB GRAINGER ENTRANCE BURSARY - UP TO $9,000
CHANCELLOR’S CLUB SCHOLARSHIP - UP TO $10,000 (RENEWABLE)

Job Titles

ENVIRONMENT, HEALTH AND SAFETY OFFICER
LAB TECHNICIAN
PRODUCTION CHEMIST

Student Clubs

CHEMISTRY STUDENTS’ CHAPTER
WOMEN IN SCIENCE AND ENGINEERING

Greg Welch

BSc’03

As an assistant professor of clean energy and organic chemistry, Dr. Welch uses the fundamentals of chemistry to create new materials that have a purpose or a function. One of his champion projects involves solar cells that can be printed like newspaper, at low cost and high speed.

When I came back to the university, I discovered a deep passion for chemistry and found myself doing everything I could to learn as much as possible on the subject - from reading research papers, volunteering in labs, going to many of the profs’ open office times, and all the way to attending all the department’s conferences.

Rudy B., chemistry student

View Program Requirements

1. Visit ucalgary.ca/future-students/undergraduate/explore-programs
2. Select your program
3. Select your type of admission (high school or transfer)
4. Choose the location of your high school

Sample First-Year Courses

FALL

Foundations of Chemistry: Structure and Bonding (CHEM 211)
Mechanics (PHYS 211 or 221) or Classical Physics (PHYS 227)
Calculus (MATH 249, 265 or 275)
Option
Non-science option

WINTER

Foundations of Chemistry: Change and Equilibrium (CHEM 213)
Introductory Electromagnetism, and Thermal Physics (PHYS 223)
Calculus (MATH 267 or 277)
Option
Non-science option