Faculty of Science
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 in research, product and food development, education, and more.

Did You Know?

Through the Science Mentorship Program, you’ll have the opportunity to be paired with an upper year student to attend program events, discuss academics, and participate in social activities.

Awards

FAIRFAX FINANCIAL HOLDINGS LIMITED ENTRANCE BURSARY - UP TO $5,000 (RENEWABLE)

CHANCELLOR’S CLUB SCHOLARSHIP - UP TO $10,000 (RENEWABLE)

Job Titles

ENVIRONMENT, HEALTH AND SAFETY OFFICER

PRODUCTION CHEMIST

TECHNICAL SALES

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