

## Improve the world – from atoms to the atmosphere.

Chemistry looks at the world inside out. It shows us how things work at an atomic and molecular level and is essential to all areas of science.

Study chemistry at UC and work on things like:

- new bioactive drug molecules to treat disease
- more effective ways to capture, convert, store and use solar energy
- huge molecular structures that can trap pollutant metals

*“I’m interested in forensics and serious crash units – a science degree will serve me well in these areas.”*

*– Olivia, studying towards a BSc in Chemistry*



## Why chemistry?

Chemistry helps make a difference to people’s lives. It improves the world through new materials, medicines, technologies and understanding. It also plays a vital role in solving major global challenges such as food supply, human health and environmental degradation.

## Where can it take me?

Chemistry is a fascinating field with lots of career options – from pharmaceuticals, medicine and product development to energy and the environment.

Even if you aren’t pursuing a science career, the intellectual discipline gained through studying chemistry—analysis, logic, problem-solving—will prove valuable in any profession.



## Why UC Science?

At UC Science you decide where you're going – our job is to help you get there.

We offer heaps of options and flexibility, state-of-the-art facilities, amazing research opportunities (in the lab and the field), and passionate, world-recognised lecturers. Our campus is friendly, compact and based just on the edge of Christchurch city.

## BSc Chemistry – what you need to know

### Entry requirements

University Entrance or equivalent

### Level of study

Undergraduate

### Useful Year 13 subjects

Chemistry

### Start date

February

### Length of study

3 years

**Degree content includes:** Biological, environmental, experimental, organic and organometallic chemistry, chemical principles and processes, materials science and nanotechnology, molecular engineering, structure and reactivity, toxicology.

**Career options:** Biomedicine, biotechnology, education, environmental monitoring, forensics, manufacturing, pharmaceuticals, product development, renewable energy, toxicology.

**Find out more:** [www.chem.canterbury.ac.nz](http://www.chem.canterbury.ac.nz)

*Ask us about fast track to second year for high achievers, extra support to meet entry requirements, catch-up courses for new students and double-degree options.*