BSc
Bachelor of Science

Physics

Embrace the unknown.

Explore the wonder of our world and the universe, join a community of like-minded thinkers and apply your mind to solving real-world problems.

Study physics at UC and work with us on cool stuff like:

- using lasers to study materials or geophysics
- creating tiny nano-electronic devices that can act as transistors or sensors
- measuring the behaviour of the upper atmosphere to understand global warming

"I want to understand how the world works and apply my knowledge to real-life situations."

– Mahali, BSc physics graduate now doing a Masters in Medical Physics

Why physics?

It's an incredibly exciting time to study physics. Research in physics over the past 20 years has led to significant advances in everything from cancer treatments and life-saving MRI scanners, to computers, GPS and protecting the ozone layer. If you're keen to contribute to the next major advances – physics is the place to start.

Where can it take me?

A physics degree can open doors to all sorts of careers all over the world – from IT to aeronautics, medicine to meteorology, architecture to industrial design, renewable energy to biotechnology, and more. Like physics, the possibilities are limitless.

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 Physics – what you need to know

Entry requirements
University Entrance or equivalent

Start date
February

Level of study
Undergraduate

Length of study
3 years

Useful Year 13 subjects
Calculus, physics

Degree content includes: Computer programming, electromagnetism and mechanics, engineering physics, experimental physics and astronomy, mathematical modelling and computation, partical, statistical and thermal physics, quantum and relativistic physics, quantum mechanics, waves and optics.

Career options: Aeronautics, computers and electronics, finance, medical physics, merchant banking, space exploration, the armed services.

Find out more: www.phys.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.

UC UNIVERSITY OF CANTERBURY
Te Whare Wānanga o Waitaha
CHRISTCHURCH NEW ZEALAND

Choose science. Change the world.

Start now. **www.canterbury.ac.nz/science**