

UC in Profile

Welcome to the University of Canterbury

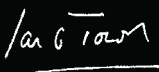
This profile of the University of Canterbury provides a snapshot of some of the information that can be found in our *2007 Annual Report*. It reflects an institution which has achieved many milestones and is in pursuit of new ones.

The current Performance-Based Research Fund (PBRF) quality evaluation shows UC is one of New Zealand's best research universities. It is ranked number one in the country in Foreign Languages & Linguistics; Engineering and Technology; and Other Health Studies (including Rehabilitation Therapies). It is ranked number two nationally in Philosophy; Molecular, Cellular and Whole Organism Biology; and Earth Sciences. It is also second equal in Chemistry.

The University has been responsible for taking New Zealand's research capability to a new level with the acquisition of an IBM Blue Gene supercomputer, known as BlueFern™. UC is the only research institution in the Southern Hemisphere to have a Blue Gene, placing it in an elite group which includes universities such as Harvard, Princeton and Massachusetts Institute of Technology in the United States. Use of BlueFern™ is growing steadily and we have had excellent feedback from users about the service levels provided and the new opportunities they now have to tackle grand research challenges. It has been excellent to see interest in BlueFern™ from a range of academic disciplines.

But great institutions are not built solely on technology. Our people are a very significant element. In 2007 the University's range of expertise broadened through the merger with the former Christchurch College of Education. Our teaching talent has been recognised nationally two years in a row at the annual Tertiary Teaching Excellence Awards. Administered by the New Zealand Qualifications Authority, these awards acknowledge exceptional teachers who show outstanding commitment to their subject. Our alumni community, which has considerable affection for the University and demonstrates significant support, is another strength.

Through both our teaching and research the University of Canterbury continues to make a significant contribution to the advancement of our communities in New Zealand and beyond.



Professor Ian Town
Acting Vice-Chancellor

www.canterbury.ac.nz

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UC in Profile

2007 Key facts

Students enrolled¹	17,966
Equivalent full-time students(EFTS)²	14,646
Full-time equivalent academic staff(FTE)	778
Staff: student ratio	1: 18.8
Income	\$257,544
Expenditure	\$244,777
Net surplus	\$12.7 million

Students 2007

Compared with 2006, student numbers in 2007 showed:

- A 29% increase in total student enrolments to 17,966
- A 21% decrease in equivalent full-time students (EFTS) to 14,646

These increases resulted mainly from the merger of Christchurch College of Education with the University on 1 January 2007.

Staff 2007

Compared with 2006, staff numbers in 2007 showed:

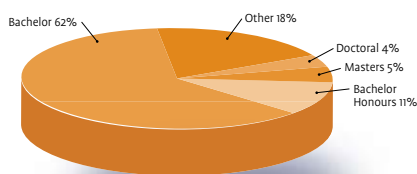
- A 13% increase in full-time equivalent staff to 1,946
- A 14% increase in full-time equivalent academic staff to 778
- A 13% increase in full-time equivalent general staff to 1,168

Again, these increases resulted mainly from the merger of Christchurch College of Education with the University on 1 January 2007.

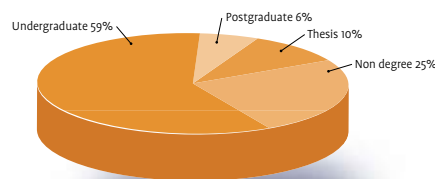
¹ Headcount, excluding UC Opportunity students

² EFTStudents returned to the Ministry of Education

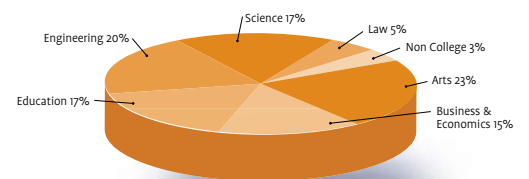
Enrolment Level of EFTS



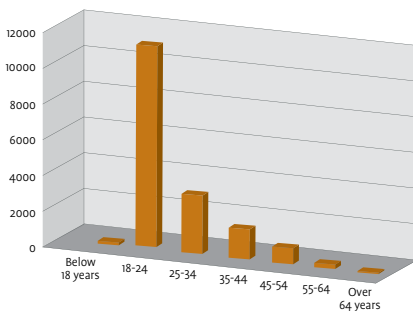
Enrolment Status International EFTS



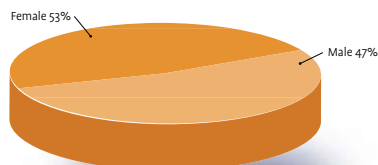
EFTS by College



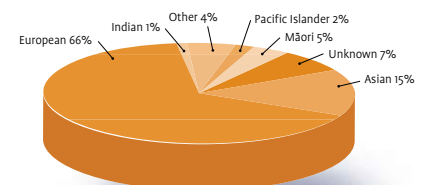
Age of EFT Students



Gender of Students



Ethnicity of EFT Students





The Merger becomes official

On 1 January 2007 the Christchurch College of Education (CCE) officially merged with the University. The merger was formally acknowledged at a Powhiri in early February attended by more than 420 staff and invited guests. Training the country's teachers, which was the function of CCE since 1877, is now carried out within the University's new College of Education. Heading the College is Pro-Vice-Chancellor (Education) Professor Gail Gillon (Ngāi Tahu) who took up her appointment in September.

New Zealand Centre for Human-Animal Studies

New Zealand's first research centre dedicated to the study of human-animal relationships opened at the University in March. The New Zealand Centre for Human-Animal Studies (NZCHAS) brings together scholars from the humanities and social sciences whose research focuses on the conceptual and material treatment of non-human animals in culture, society and history. As one of the first centres of its kind in the world, NZCHAS is already attracting positive attention from international scholars. It has established affiliations with overseas institutions including the Jane Goodall Institute (USA), Oxford Centre for Human Ethics (UK), the British Animal Studies Network and Society and Animals Forum (USA).

BlueFern™ Supercomputer

The Deputy Prime Minister Dr Michael Cullen was the official guest at the launch of the University's new IBM Blue Gene supercomputer in August (Blue Fern™). The University is the first research institution in the southern hemisphere to have a Blue Gene supercomputer. Other universities which already have Blue Genes include Harvard University, Princeton University and Massachusetts Institute of Technology (MIT). The MacDiarmid Institute for Advanced Materials and Nanotechnology, Victoria University of Wellington and AUT University are foundation partners in the BlueFern™ project.

Biomolecular Interaction Centre

A new biomolecular research centre was established at the University in September. The Biomolecular Interaction Centre (BIC) is a collaborative project spearheaded by staff from Biological Sciences, Chemistry, and Chemical and Process Engineering working in partnership with researchers from Lincoln and Otago universities, Crop and Food, and Environmental Science and Research (ESR). The centre uses state-of-the-art equipment supplied by Bio-Rad Laboratories, some of which has never been used before in the southern hemisphere. The centre's work will focus on drug discovery, biotechnology and the development of new bio-nanomaterials.

New Zealand Climate Change Centre

In October, the University was named as a founding partner of the New Zealand Climate Change Centre. Researchers from the University and Victoria University of Wellington will work with researchers from AgResearch, Crop and Food Research, ESR, GNS Science, HortResearch, Industrial Research, Manaaki Whenua Landcare Research, NIWA and Scion. The New Zealand Climate Change Centre will be a virtual centre with some support staff, but most of the work will be carried out at the core organisations. The centre is expected to enhance collaboration between researchers and liaison with government departments, local authorities, producer groups and industry.

Research excellence

In April, results of the 2006 partial round of the Performance-Based Research Fund (PBRF) were announced. These showed that the University's average quality score had risen from 3.83 in 2003 to 4.10 in 2006. On this basis, the University ranked third nationally with the top three universities scoring within the narrow range of 4.10 to 4.22. Nationally the University ranked first in Engineering and Technology, Other Health Studies (including Rehabilitation Therapies) and Foreign Languages and Linguistics; and ranked second in Philosophy, Molecular, Cellular and Whole Organism Biology and Earth Sciences. It also ranked second equal in Chemistry. The number of A-graded researchers at the University increased by more than 25 per cent in the 2006 round.

Distinguished Canterbury Fellow

Nobel laureate Professor Robert Grubbs was made a Distinguished Canterbury Fellow. The title is reserved for very distinguished visitors who show evidence of outstanding international recognition and achievement. Professor Grubb is the Victor and Elizabeth Atkins Professor of Chemistry at the California Institute of Technology and is recognised as one of the world's pre-eminent research chemists with more than 400 publications to his name. He was a visiting Erskine Fellow at the University in 2005 when he received word of his Nobel Prize in Chemistry. He becomes only the second Distinguished Canterbury Fellow, joining fellow Nobel laureate Professor Clive Granger, who was also visiting Canterbury when it was announced that he was the joint winner of the 2003 Nobel Prize in Economics.

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Physicist receives rare award

Associate Professor Roger Reeves (Physics and Astronomy) was awarded the T.K. Sidey Medal in recognition of his superb contribution to research associated with electromagnetic radiation. In a world first, Professor Reeves discovered ways to use two new semiconductors – indium nitride and zinc-oxide – that could revolutionise the way we use and convert energy. Awarded just 15 times in the last 74 years, the first person to receive the T.K. Sidey award was Canterbury alumnus Sir Ernest Rutherford in 1933.

Marsden Fund success

University of Canterbury researchers were awarded more than \$4 million in funding in the 2007 Marsden Fund round. The awards, which are government-funded, are administered by the Royal Society of New Zealand. Illustrating the broad range of research undertaken at the University, the 11 successful research projects were in the areas of biological sciences, gender studies, geological sciences, computer science and software engineering, physics and astronomy, history, speech and language, civil engineering and chemistry.

FRST funding

Four University research projects were awarded more than \$7 million in new funding by the Foundation for Research, Science and Technology. The projects will investigate a range of areas from wood quality (Forestry) and the development of wood-polymer composites (Chemical and Process Engineering) to augmented reality (HITLab) and spinal fusion (Mechanical Engineering).

Champion Canterbury Awards

Canterprise, the University's commercialisation arm, enjoyed further success in the 2007 Champion Canterbury Awards when it was presented with the Service Small Enterprise category prize and The Press Supreme Award for Small Enterprise. It received the same accolades at the 2005 awards. The annual Champion Canterbury Awards celebrate the excellence and enterprise of business in the Canterbury region. Among Canterprise's most successful spin-out companies are WhisperTech, which manufactures combined heat and power generation units, and Syft Technologies, which is marketing technologies capable of detecting volatile substances.

School of Law reunion

The School of Law celebrated the 130th anniversary of the Bachelor of Laws with a Labour Weekend reunion. Some 85 guests attended the festivities, including a significant number of past and present members of the judiciary and two cabinet ministers. The earliest graduate present, Mr Norman Reed, who graduated LLB in 1947, had the honour of cutting the anniversary cake. Cabinet Minister Lianne Dalziel, who graduated LLB in 1984, gave the opening address.

Art School 125

In November, the Christchurch Art Gallery Te Puna o Waiwhetu launched *Art School 125*, a celebration of 125 years of artistic achievement by the University's School of Fine Arts. The exhibition featured the work of notable alumni such as Margaret Stoddart, Leo Bensemann, Bill Sutton, Bill Culbert, Boyd Webb, Shane Cotton, Ronnie van Hout and Francis Upritchard.

University Research Medal

Professors Murray Munro and John Blunt (Chemistry) were joint winners of the University of Canterbury Research Medal for 2007. The medal is awarded annually for excellence in research and the presentations were made at the 21 December graduation ceremony. According to international peers, the recipients are an inseparable team, whose names are synonymous with work of the very highest standards of excellence. One supporter of their nomination for the award credited them with effectively creating and dominating the field of marine natural products chemistry in New Zealand.

Honorary degrees

Two University of Canterbury alumni, Kerry McDonald and Professor David Teece, received honorary Doctor of Commerce (*honoris causa*) degrees from the University at the April and December graduations respectively. Mr McDonald has been active in business in New Zealand and Australia for many years. He graduated from Canterbury University with a BCom in 1964 and a MCom (Hons) in 1967. Professor Teece received his degree in recognition of his long and distinguished career as an economist and business leader. After graduating from Canterbury with a BA in 1970 and a MCom in 1971, Professor Teece gained a PhD in economics from the University of Pennsylvania and became a professor at the University of California, Berkeley. He has been named one of the World's Top 50 Living Business intellectuals.

Tertiary Teaching Excellence Award

Associate Professor Angus McIntosh (Biological Sciences) was one of 10 tertiary teachers to receive a national Tertiary Teaching Excellence Award in 2007. The awards, administered by the New Zealand Qualifications Authority, recognise exceptional teachers who show outstanding commitment to their subject.

University Teaching Awards

Teaching excellence at the University of Canterbury was recognised with the annual Teaching Awards for 2007. Seven awards were presented to staff at the December graduation ceremonies in recognition of their outstanding teaching achievements. The recipients were: Nicki Dabner (Literacies and Arts in Education), Dr Wade Enright (Electrical and Computer Engineering), Dr Peter Field (History), Dr Deirdre Hart (Geography), Dr Reiko Itoh (Languages and Cultures), Associate Professor Jamie Shulmeister (Geological Sciences) and Jim Tully (Political Science and Communication).

Geographer's work recognised

Professor Eric Pawson (Geography) was recognised as one of New Zealand's leading geographers by being awarded the Distinguished New Zealand Geographer Award for 2007. The award was presented at the New Zealand Geographical Society's AGM, held at the University in September, and recognises the outstanding contribution Professor Pawson has made to the discipline and its professional society.

World University rankings

The University of Canterbury's placing in the THES-QS World University Rankings improved significantly, from 333 in 2006 to 188 in 2007. The rankings, which are prepared by QS Quacquarelli Symonds Ltd for the *Times Higher Education Supplement*, are determined by peer review, recruiter review, international faculty ratio, international student ratio, student faculty ratio and citations per faculty. The University is one of three New Zealand universities listed in the top 200 for 2007.

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