

2023



Undergraduate Prospectus

Whakatairanga Ākonga





**RĀ TŌMENE
OPEN DAY**

*Come and see what learning
and living is like at UC*



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Rainbow Diversity Support



UC is proud to partner with Ngāi Tūāhuriri and Ngāi Tahu to uphold the mana and aspirations of mana whenua.

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Information is correct at the time of print but is subject to change. The University's official regulations are at www.canterbury.ac.nz/regulations*



Kia ora

Nau mai ki tēnei Whakatairanga Ākonga. Welcome to the Undergraduate Prospectus.

We hope you'll become part of the UC whānau. There's a bunch of options for you to learn what you want, how you want.

This guide contains all the information you need to help you decide on your degree, find the subjects that you'll be passionate about, and learn how we can support you while you study at Te Whare Wānanga o Waitaha University of Canterbury.

You'll also find ways to develop other interests and make friends along the way.

Soul (Ngāti Kahungunu)
Bachelor of Engineering
with Honours in Civil Engineering





UC7

UC7 gives you a glimpse of what UC is like. Our students will tell you there's lots to discover.

UC Ako | Learn

UC is in the world's top 1% of universities, known for its high-quality degrees, research-active teaching staff, and modern facilities.

'At UC the subjects come to life because they show how the theories apply to real life situations. The lecturers are really friendly and helpful. You get the feeling that they want you to succeed.'

Maihani

Bachelor of Science in Computer Science

UC Oranga | Wellbeing

We provide a wide range of support services from the moment you arrive on campus.

'My lecturers and course coordinators were so supportive during the coronavirus lockdowns. They helped me finish my courses and maintain my mental health. There's a very personal feel at UC.'

Sophia

Bachelor of Science in Geography and Psychology,
Master of Teaching and Learning (Secondary)

UC Tikanga-rua | Bicultural

We are committed to biculturalism and work with Ngāi Tahu, the tangata whenua in our region.

‘The Māori team (Te Waka Pākācano) are really welcoming. You can connect with mentors and they give you heaps of resources. It’s made uni feel like home. I spend quite a lot of time at the whare. It’s a good place to go and chill, and they put on lots of events like kapa haka, sports, paintball, bowling.’

Samuel

Bachelor of Engineering with Honours
in Mechanical Engineering

UC Tauhere | Connect

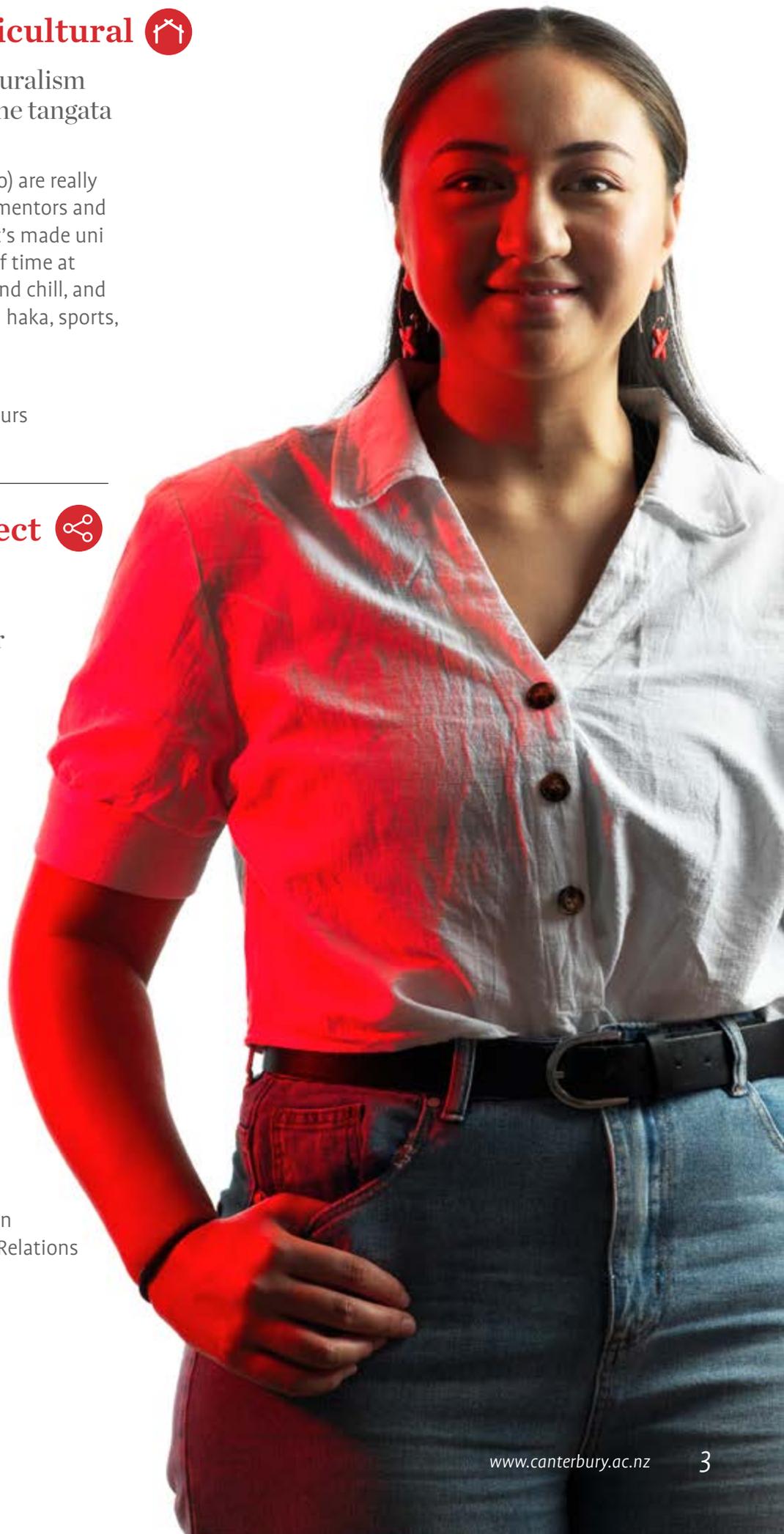
Over the last few years, UC students have earned an international reputation for their community involvement.

‘I got involved with the Prison Project which was a collaboration with Law for Change, CRIMSOC, and Community Law. A group of Law and Criminal Justice students went to the youth department at the Christchurch men’s prison and gave seminars about things like tenancy and employment. It was an amazing way to connect with other students who are interested in advocacy and apply the knowledge I’ve developed in my degree. It’s been a real privilege for me to be in the programme.’

Maeve

Bachelor of Laws, Bachelor of Arts in
Political Science and International Relations
and Sociology

Right: Anamaria
Bachelor of Criminal Justice



UC Auaha | Innovate

A lot of learning takes place outside the classroom.

‘Every semester we do placements alongside our studies. They’re really hands-on and give us insight into what the actual job will be like once we graduate.’

Melissa
Bachelor of Speech and Language Pathology

UC Ira Matatū Global Citizen

Our campus is a culturally diverse community with over 100 nationalities.

‘It’s a place for everyone. It doesn’t matter where you come from, who you are, or what you’re good at, there’s something here for you. UC is a place where anyone and everyone can feel like they belong. It feels like home for me.’

Mastine
Bachelor of Commerce in Management

UC Tūhura | Explore

There aren’t many places where you can access adventure so easily. UC is on the doorstep of a massive outdoor playground – combined with clubs and events, you’re up for a unique student experience.

‘The hiking club was amazing, it really sparked a passion for me. It also introduced me to a lot of international students. I found it a great way to make connections and build lasting friendships because we had all come together around a common interest.’

Ben
Bachelor of Commerce in Management
with minors in Marketing and
Business and Sustainability

Right: Annabel
Bachelor of Laws, Bachelor of Arts in Sociology



Common terms



Degrees

Degrees are a type of qualification you can study at university – there are several types of qualifications varying in level of study and length of time, such as:

Bachelor's degrees

A bachelor's degree is an undergraduate qualification that usually takes 3–4 years to complete. UC offers a wide range of bachelor's degrees.

Double degrees

Some bachelor's degrees can be studied together. This option involves more study, but you can specialise in different areas, opening up a wider range of career options.

Conjoint degrees

Conjoint degrees combine two bachelor's degrees into a singular degree. Unlike double degrees, these must be completed at the same time, and involve a much higher workload each year.

Certificates and Diplomas

If you are unable to study a full degree, or want to add some additional study to your degree, you could complete a certificate or diploma.

These qualifications have less overall workload and are completed in a much shorter timeframe – usually 6 months to 1 year.

Subjects

Subjects are areas you can study in your degree. Some subjects you can continue from secondary school such as Music, Geography, English, while some you can start new at UC eg, Social Work, Linguistics, Marketing.

Major

A major is the subject you choose to specialise in all the way to the final year of your bachelor's degree. For example, a Bachelor of Arts majoring in Psychology.

Double major

You can sometimes choose to specialise in two subjects that you're interested in (double major). These can be completed in the same time as a single major without the extra workload.

Minor

A minor is another specialisation, but you will only study this up to your second year. For example, a Bachelor of Science majoring in Geology with a minor in Geography.

Specialisation

Specialisations combine different subjects together into a central theme. They allow you to specialise in multiple subjects all the way into your final year. These are offered within the Bachelor of Arts.

Courses

A course is a specific topic within a subject, for example an American history course within the History subject. This involves lectures, assignments, and other forms of study. Your degree is made up of multiple courses.

Points

Each course has a points value (similar to credits from NCEA). You will need to complete a certain number of points overall to successfully finish your study.

Semester

The academic year is split into two periods of study known as semesters. One semester is the equivalent of two terms at secondary school.

- Semester 1: February – June
- Semester 2: July – November
- Summer: November – February.

Qualifications

Undergraduate study options

- 8 Bachelor of Arts
- 9 Bachelor of Arts specialisations
- 10 Bachelor of Commerce
- 11 Bachelor of Communication
- 12 Bachelor of Criminal Justice
- 13 Bachelor of Data Science
- 14 Bachelor of Engineering with Honours
- 15 Bachelor of Environmental Science with Honours
- 16 Bachelor of Fine Arts
- 17 Bachelor of Forestry Science
- 18 Bachelor of Health Sciences
- 19 Bachelor of Laws
- 20 Bachelor of Music
- 21 Bachelor of Product Design
- 22 Bachelor of Science
- 23 Bachelor of Social and Environmental Sustainability
- 24 Bachelor of Social Work with Honours
- 25 Bachelor of Speech and Language Pathology with Honours
- 26 Bachelor of Sport Coaching
- 27 Ako: Bachelor of Teaching and Learning
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Bachelor of Arts. BA

Bachelor of Arts – Major/minor pathway example degree structure

Year 1



Year 2



Year 3



■ Compulsory courses
 ■ Arts major courses
 ■ Arts minor courses
 ■ Other Arts courses
 ■ Courses from Arts or other degrees

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

‘Learning the art of critical thinking allows you to see the world differently.’

Christopher

Bachelor of Arts in Cinema Studies and Art History and Theory, Bachelor of Arts with Honours in Cinema Studies

BA with two pathways

At UC, you can get your BA in two ways:

- Major and minor pathway
- Specialisation pathway.

Major and minor pathway

In your first year, you will complete two compulsory courses from a choice of three broad arts skills – academic writing, debates and presenting evidence, and bicultural identity.

There are over 30 Arts subjects that you can major in (see the table to the right), and many more to minor in – including subjects from other degrees. You can choose to do a double major, or a major and minor. You can customise your study even further by doing a double or a conjoint degree (see [page 32](#)) – tailoring your studies to suit you.

Subjects			
Anthropology	Education	Human Services	Political Science and International Relations
Art History and Theory	English	Japanese	Professional and Community Engagement
Chinese	English Language	Linguistics	Psychology
Cinema Studies	European and European Union Studies	Māori and Indigenous Studies	Russian
Classics	French	Mathematics	Sociology
Cultural Studies	Geography	Media and Communication	Spanish
Digital Humanities	German	Music	Statistics
Economics	History	Philosophy	Te Reo Māori

Bachelor of Arts specialisations

Bachelor of Arts – Specialisation pathway example degree structure

Year 1



Year 2



Year 3



Compulsory courses
Specialisation courses
Courses from Arts or other degrees

Each small block represents a 15-point course. However, some courses may be 30 points or more. This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Specialisation pathway

Choosing a Specialisation in the BA provides you with a set programme of courses centred on a broad theme. Specialisations are bigger than a typical major and they include courses from a range of subjects, so you can look at the complex problems of today’s society from different angles.

Specialisations
Creative Industries and Contemporary Practice
Cultural Heritage
Global Societies and Cultures
International Affairs
Language, Brain and Behaviour
Philosophy, Politics and Economics
Society, Diversity and Change

Highlights

- Take advantage of courses offering field trips, real-world case studies, performances, internships, and community projects.
- You have the option to study a minor from additional subjects across Arts, Commerce, Health Sciences, Science, Sport Coaching, and Youth and Community Leadership.
- Get involved with some of the many Arts related student clubs including Arts Society, JSoc, PolSoc, Classoc, Musoc, and many more.

Career ready

- Gain practical experience by adding an internship in your second or third year of study.
- Learn sought after workplace skills such as writing, critical and creative thinking, problem-solving, and communication.
- Graduates will be ready to work in media, politics, conservation, iwi organisations, tourism, heritage, international relations, and more.

‘The practical experience shows you can apply your skills in real-world contexts.’

Natalija
 Bachelor of Arts in English and Political Science and International Relations with a minor in Economics, Master of European Union Studies

Bachelor of Commerce. BCom

Bachelor of Commerce – example degree structure

Year 1

ACCT 102	ECON 104	INFO 123	MGMT 100	STAT 101	100 Level	100 Level	100 Level
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Year 2

BSNS 201 ¹	200 Level	200 Level	200 Level	200 Level	100 Level	200 Level	200 Level
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Year 3

BSNS 299	300 Level	300 Level	300 Level	300 Level	200 Level	200 Level	300 Level	300 Level
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 Zero-points, zero-fees courses  Compulsory courses  Other Commerce courses  Courses from Commerce or other degrees

¹ Or an alternative course as approved by the Dean of Business.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

Subjects
Accounting
Business Analytics
Business and Sustainability
Economics
Entrepreneurship
Finance
Human Resource Management
Information Systems
International Business
Innovation
Management
Marketing
Operations and Supply Chain Management
Strategy and Entrepreneurship
Taxation
Taxation and Accounting
Tourism Marketing and Management

Highlights

- Competitions and inter-university business challenges develop your entrepreneurial, project management, and teamwork skills.
- You have the option to study a minor from subjects across Commerce, Arts, Health Sciences, Science, Sport Coaching, and Youth and Community Leadership.
- Te Kura Umanga | UC Business School is accredited by international associations EQUIS and AACSB, giving you a competitive and industry-relevant qualification for business professions.
- UC's Trading Room gives you a real-world trading environment with a live market and stock data feed, and simulation tools for trading.

Career ready

- Get hands-on experience through industry internships, international exchanges, and overseas study tours.
- Gain problem-solving, communication, and management skills needed to succeed in a global business environment.
- Network with UC's industry contacts and get support in launching your own business ideas.
- Graduates are working as accountants, software developers, consultants, marketers, entrepreneurs, and more.

‘Study gave me those fundamental skills that prepare you for the business world.’

Michaela
Bachelor of Commerce in International Business, Strategy and Entrepreneurship

Bachelor of Communication. BC

Bachelor of Communication – example degree structure

Year 1

COMS 101	COMS 102	COMS 104	MGMT 100	WRIT 101	100 Level	100 Level	100 Level
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Year 2

COMS 201	COMS 207	COMS 231	DIGI 204	200 Level	200 Level	200 Level	100 or 200 Level
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Year 3

COMS 330	300 Level	300 Level	100 Level or above	100 Level or above
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 Compulsory courses	 Communication major courses	 Courses from BA schedule V	 Courses from Arts or other degrees
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Students must complete at least 225 points at 200-level or above.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

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Study information

In the first year of your degree, you will get a broad introduction to communication through courses in writing, journalism, media, and management.

From second year, you will also begin courses towards your chosen major.

Majors
Communication Strategy and Practice
Journalism
Political Communication
Tauwhitinga Māori: Māori Communication Strategy and Practice

Highlights

- Opportunities to use your skills in practical ways, including working with local organisations, and with a variety of communication technologies including digital, audio and visual, and social media platforms.
- Placements in local newsrooms as part of the Journalism major.
- Tauwhitinga Māori is the only Māori communications major on offer in Aotearoa.
- With links to international partners in journalism and media studies, we offer guest lectures from global experts each semester.

Career ready

- Get workplace experience through internships, industry projects, or community campaigns within local businesses.
- Gain applied knowledge in new and emerging media, collection and usage of data, media ethical practice, critical thinking, and analysis skills.
- Develop your skills and confidence to represent our bicultural nation through our media.
- Graduates will be ready to work as journalists, social media managers, marketers, crisis communication advisors, event managers, editors, and more.

'I'd like to pursue a career in journalism, and eventually use my skills to help fight misinformation in the media.'

Anisha
Bachelor of Communication in Journalism,
Bachelor of Laws

Bachelor of Criminal Justice. BCJ

Bachelor of Criminal Justice – example degree structure

Year 1

CRJU 101	CRJU 150 ¹	CRJU 160 ¹	HSRV 103	HSRV 104	PSYC 105	PSYC 106	MAOR165 or 108
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Year 2

CRJU 202 ²	CRJU201 or SOCI218	MAOR 219	HSRV 210	SOCI 293	PHIL 139	200 Level	200 Level ³
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Year 3

CRJU301 or LAWS366	CRJU302 or SOCI358	300 Level	300 Level	300 Level	200 Level	200 Level
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 Compulsory core courses  BCJ (Schedule E) elective courses

¹ Students enrolling in the LLB/BCJ double degree will enrol in LAWS101 instead of CRJU150 and CRJU160.

² You must pass either LAWS202 (30 points) or CRJU202 (15 points).

³ If LAWS202 passed, then 45 points from BCJ Schedule E at 200-level. If CRJU202 passed, then 60 points from BCJ Schedule E at 200-level.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

You will take an in-depth look at the criminal justice system and its processes, including governance, enforcement, and rehabilitation.

The first year of study is designed to give you a broad introduction to the criminal justice system in Aotearoa.

From second year, you can choose to study topics such as forensics, policing, criminal law and procedure, and bioethics.

Highlights

- Strong links with employers in the crime and justice fields gives you the chance to work closely with current policies and legislation.
- Enjoy learning from courses across criminology, sociology, developmental and behavioural psychology, criminal law and procedure, policing, and human services.
- Join student club CRIMSOC and meet like-minded students dedicated to Criminal Justice.

Career ready

- Practical experience examining our justice system and identifying opportunities for reform.
- Opportunity to increase your skills while working.
- Graduates work in probation and parole, forensics, public and private investigation and security, social work, criminal justice policy, the police, and more.

‘I really strive to understand how the world around me functions and how I can help it.’

Madeleine
Bachelor of Criminal Justice

Bachelor of Data Science. BDataSc

Bachelor of Data Science – example degree structure

Year 1

DATA 101	COSC 121	COSC 122	MATH 102	SCIE 101	100 Level	100 Level	100 Level
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Year 2

DATA 201	DATA 203	COSC 262	PHIL 240	STAT 201 or 202	200 Level	200 Level	200 Level
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Year 3

DATA 301	DATA 303	STAT 315 or 318	300 Level	300 Level	300 Level	100 Level or above
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 Compulsory courses	 Major courses	 Courses from Science or other degrees
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Each small block represents a 15-point course. However, some courses may be 30 points or more.
This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

Majors
Bioinformatics
Business Analytics
Computational Linguistics
Data Science
Population Health Data Science
Spatial Data Science

The first year of your degree includes introductory courses in programming, mathematics, statistics, and computer sciences. You will also do hands-on lab work and group projects.

In the final year, you also complete a research project aimed at solving a particular industry or community problem.

Highlights

- Depending on your chosen major you will have a range of hands-on learning experiences that may take place from our laboratories to our field stations. These can include high-tech computing systems, modern equipment, and the latest technology.
- We have research centres that specialise in data science, with projects ranging from climate change prediction models in Antarctica, geospatial mapping for urban planning in rural Aotearoa, VR simulation training systems for firefighters, and much more.

Career ready

- Project work in your final year involves applying data science to create solutions.
- Gain skills in project implementation, research, critical analysis, problem-solving, and communication to discuss and explain data findings.
- Graduates will be ready to work in roles such as data scientist, analyst, software architect, IT consultant, business analyst, statistician, software developer, and more.

‘Data science is evolving. It is the future of everything.’

Sumathi
Master of Applied Data Science

Bachelor of Engineering with Honours. BE(Hons)

Entry requirements

Physics and mathematics secondary school study is essential to enter the first year of Engineering. Chemistry is also essential for some Engineering disciplines. You should aim to have at least:

NCEA

- 14 credits in Level 3 maths or calculus including both differentiation and integration*
- 14 credits in Level 3 physics.

If you want to study Chemical and Process Engineering, Civil Engineering, Forest Engineering, Natural Resources Engineering, or Mechanical Engineering, you should also aim to have at least:

- 14 credits in Level 3 chemistry.**

18 credits are strongly recommended in all subjects.

International Baccalaureate (IB) Diploma

- minimum of 4 HL (or 5 SL) in maths (HL is recommended)
- minimum of 4 HL (or 6 SL) in physics (HL is recommended)
- minimum of 4 HL (or 6 SL) in chemistry.**

Cambridge International Examination (CIE)

- maths and physics — D grade or better at A level or A in AS level
- chemistry — D grade or better at A level or A in AS level.**

* Including achievement standards 91578 — 'Apply differentiation methods in solving problems' and 91579 — 'Apply integration methods in solving problems'.

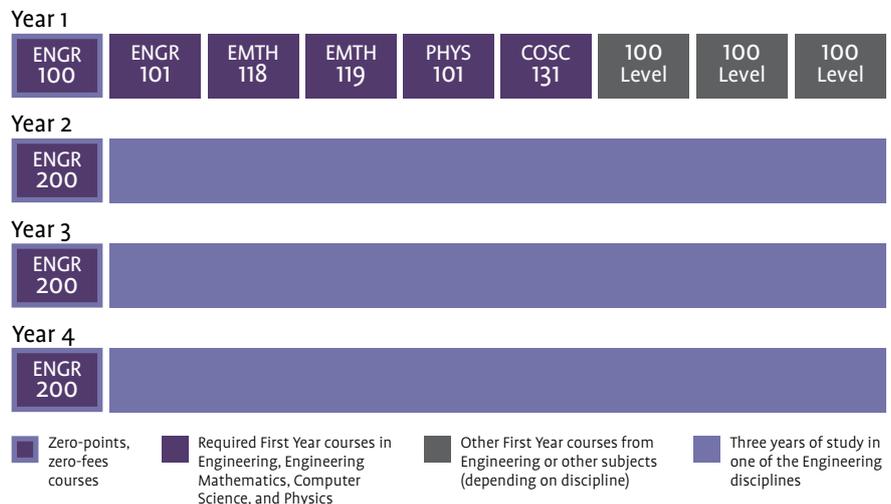
** The chemistry component is not required for the following Engineering disciplines: Computer; Electrical and Electronic; Mechatronics; Software Engineering.

Study information

The first year of your degree is made up of six introductory compulsory courses, and another three first-year courses which will depend on the engineering discipline you want to specialise in.

The following three years of study focus on your chosen engineering discipline, which may also include a minor subject.

Bachelor of Engineering with Honours – example degree structure



Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Subjects
Chemical and Process Engineering Minors: Bioprocess Engineering Energy Processing Technologies Environmental Process Engineering
Civil Engineering Minors: Structural Engineering Water and Environmental Systems Engineering
Computer Engineering Minor: Communications and Network Engineering
Electrical and Electronic Engineering Minor: Power Engineering
Forest Engineering
Mechanical Engineering Minors: Aerospace Engineering Biomedical Engineering
Mechatronics Engineering
Natural Resources Engineering
Software Engineering

Highlights

- Access state-of-the-art engineering labs and computer and testing facilities.
- Enjoy a flexible first year which allows you to keep a variety of discipline options open for your next three years of study.
- Study the Diploma in Global Humanitarian Engineering at the same time as your degree, and gain unique skills in humanitarian and service-based engineering solutions.

Career ready

- You will spend around 100 days (800 hours) on practical work placements as part of your degree.
- Gain skills in communication and report writing, ethics, sustainability, safety, and interacting with clients and customers.
- Graduates work in private companies and consultancies through to government agencies, with many progressing into management.

'You get opportunities to create things and solve problems every day; I enjoy being challenged!'

Ruofan

Bachelor of Engineering with Honours in Civil Engineering

Bachelor of Environmental Science with Honours. BEnvSci(Hons)

Bachelor of Environmental Science with Honours – example degree structure

Year 1

ENVR 101	BIOL 112	GEOG 106	SCIE 101	STAT 101	CHEM 111 or 114	100 Level or above	100 Level or above
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Year 2

ENVR 209	ENVR 210	BIOL 274	BIOL209 or GEOG205 or 208	200 Level	200 Level	200 Level	100 Level or above
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Year 3

ENVR 300	ENVR 302	ENVR 304	PSYC 341	300 Level	300 Level	300 Level	100 Level or above
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Year 4

ENVR 480	ENVR 411	ENVR 415	400 Level	400 Level	400 Level	100 Level or above
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■ Zero-points, zero-fees courses
 ■ Compulsory courses
 ■ Major courses
 ■ Optional courses

30 points of optional courses must be chosen from Schedule E: Group 1, with any remaining points chosen from Group 2. Students will also undertake ENVR 300 to complete 400 hours of work experience over the course of their third to fourth year. Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

Majors
Freshwater
Ecosystem Health and Biosecurity
Environmental Change
Environmental Contamination
Environmental Hazards and Disasters
Sustainable Coasts

The first year of your degree includes introductory courses in biophysics, ecology, and geographic sciences.

From second year onwards you will take courses towards your major and gain hands-on experience through labs, fieldwork, and internship placements.

Highlights

- This degree combines mātauranga Māori and scientific knowledge to broaden your understanding and approach to environmental issues and future developments, using Ki Uta Ki Tai | From the Mountains to the Sea – the full journey and interconnectedness of the natural world.
- Lab and field work-based learning, with up to 400 hours of work experience.
- Courses cover a variety of subjects to give you a layered understanding of the sustainability challenges we face and to customise your degree with the issues you are most passionate about.

Career ready

- Extensive practical experience in work and field settings.
- Graduates are in demand for their ability to identify, monitor, and solve a variety of problems associated with the environment. They help advise on sustainability, environmental risks, and environmental aspirations.
- Graduates will be ready for roles such as consultants, policy analysts, disaster and crisis response management, and researchers for contamination, pollution, and invasive species, and more.

‘I want to help make sure our people, whānau, and communities are prepared and resilient to natural hazards and climate change.’

Kristie-Lee (Ngāti Mutunga o Wharekauri)
 Bachelor of Science in Geography, Geology, and Environmental Science, Master of Disaster Risk and Resilience, Master of Science in Disaster Risk and Resilience

Bachelor of Fine Arts. BFA

Bachelor of Fine Arts – example degree structure

Year 1

FINA 101 ¹	FINA 102	FINA 103 ¹	ARTH 100 Level	ARTH 100 Level
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Year 2

Studio subject 211	Studio subject 212	ARTH or CINE 200 Level ²	100 or 200 Level
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Year 3

Studio subject 311	100, 200 or 300 Level ⁴	100, 200 or 300 Level ³
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Year 4*

Studio subject 411	100, 200 or 300 Level	100, 200 or 300 Level
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Introduction to all specialist studio studies	Required Art History and Theory courses	Specialisation in one studio subject	Courses from the Bachelor of Arts schedule
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¹ FINA101 is 30 points. FINA103 is 45 points.

² Students specialising in Film or Photography may take either Art History and Theory or Cinema Studies 200-level courses.

³ Students must complete 30 points of 300-level ARTH courses (or CINE courses for Film and Photography students) to be eligible for entry into Bachelor of Fine Arts with Honours at fourth year.

* Students eligible for Honours will instead take FINA450 in their fourth year.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

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Study information

Studio specialisations
Film
Graphic Design
Painting
Photography
Sculpture

How to apply:

Your application should include a portfolio of recently completed art and/or design work, along with a written statement to show us your current skills and identity as an artist. This must include 12 examples of work from NCEA (or equivalent) arts subjects. The format must be colour, laser printed, and stapled A4 photographs. Applications are due **15 November**.

Highlights

- In your first year, you will be introduced to all five available studio specialisations, giving you the chance to develop your passion before continuing in one Fine Arts subject from second year.
- Enjoy 24-hour access to your own personal studio space from second year.
- Work in purpose-built studios; access technician workshops, workrooms, darkrooms, computer labs, and the Ilam Campus Gallery.

Career ready

- Showcase your work during the year through exhibitions and community projects.
- Gain creative and practical skills in your chosen specialisation as well as organisational and time management skills.
- Graduates are working as professional artists, art gallery directors, photojournalists, art historians, consultants, and more.

‘Being able to focus on a singular discipline has allowed me to hone in on what makes the discipline so special.’

Aaron
Bachelor of Fine Arts in Sculpture

Bachelor of Forestry Science. BForSc

Bachelor of Forestry Science – example degree structure

Year 1

FORE 111	FORE 131	FORE 141	FORE 151	BIOL 112	STAT 101	100 Level	100 Level
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Year 2

FORE 205	FORE 215	FORE 218	FORE 219	FORE 222	FORE 224	SOIL 203
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Year 3

FORE 307	FORE 316	FORE 327	FORE 342	
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Year 4

FORE 419	FORE 422	FORE 447				FORE 414
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 Compulsory courses	 Elective Forestry Science courses	 Dissertation for honours students only	 Elective courses from Science or other degrees
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Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

A Bachelor of Forestry Science prepares you for managing forest resources by combining core science courses with management, commerce, and technology.

In the first year, you will study six compulsory courses (plus 30 points in electives) to gain a strong foundation in the science and commercial aspects of forestry.

From second year, you will apply this knowledge to the forest line of work, with compulsory courses including forest engineering, forest economics, forest biology, and silviculture.

Highlights

- Small class sizes create a high-quality learning environment.
- UC has field stations located near Arthur's Pass and at Kawatiri Westport for forestry teaching and research.
- Participate in an exchange programme with top Forestry schools in Canada and the United States.
- With strong employer links, the majority of graduates are employed before finishing their degree.

Career ready

- Benefit from hands-on learning with 90 days industry work experience.
- Gain skills in forestry management, sustainability, marketing, and research.
- Graduates are working in forest management, conservation, harvesting, wood processing, biosecurity, policy, iwi advisory, and more.

'The forest industry supports the degree and companies often provide students with holiday work.'

Kristie
Bachelor of Forestry Science

Bachelor of Health Sciences. BHSc

Bachelor of Health Sciences – example degree structure

Year 1

HLTH 101	HLTH 106	HLTH 110	BIOL 116	100 Level	100 Level	100 Level	100 Level
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Year 2

HLTH 201	HLTH 202	MAOR270 or MAOR212	200 Level	200 Level	200 Level	200 Level	100 Level
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Year 3

HLTH 301	300 Level	300 Level	300 Level	300 Level	200 Level	200 Level
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Compulsory courses
 Major courses
 Courses from Health Sciences or other degrees

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

Subjects

Health Education

Māori and Indigenous Health

Physical Activity

Psychology

Public Health

Society and Policy

In the first year of your study you will gain a strong foundation in health studies through introductory courses in health, human biology, epidemiology, and Māori health:

Subjects

HLTH101	Introduction to Health Studies
HLTH106	Te Wero — Māori Health Issues and Opportunities
HLTH110	Epidemiology
BIOL116	Human Biology

From second year you will delve deeper into your chosen major and continue to learn about health care promotion, health policy, and population health in Aotearoa.

Highlights

- Cover topics such as mental health and wellbeing, sexual health promotion, environmental health, communicable and non-communicable diseases, and community health.
- Smaller classes mean academic staff can work closely with you to help achieve your goals.
- Option to study a minor from subjects across Arts, Commerce, Health Sciences, Science, Sport Coaching, and Youth and Community Leadership.

NOTE: The recent government mandate regarding vaccination of workers in the education and health and disability sectors means that you will not be able to complete research or practice-oriented courses in the Health Sciences degree if you are not fully vaccinated. For these courses you will be required to be vaccinated in line with the NZ Government regulations, and supply evidence of your vaccination status.

- Successful completion of the Public Health major means you meet the generic public health competencies and the health promotion competencies endorsed by Runanga Whakapiki Ake i te Hauora o Aotearoa | Health Promotion Forum of New Zealand.

Career ready

- Opportunity to do an internship in a health-related industry.
- Learn the necessary skills to improve health and wellbeing through disease prevention, health promotion, and health service planning, delivery, and evaluation.
- Graduates work in healthcare organisations, in local and central government, aged residential care, schools, district health boards, Māori health providers, and more.

‘I had a desire to help individuals help themselves, by providing knowledge and teaching skills so people can make their own information-based decisions about their health.’

Megan
Bachelor of Health Sciences in Health Education and Public Health

Bachelor of Laws. LLB

Bachelor of Laws – example degree structure

Year 1



Year 2



Year 3



Year 4



■ Compulsory Law courses ■ Electives ■ Non-Law courses

¹ May include CRJU101 and CRJU160.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

In the first year of your degree, you will study two core courses designed to teach you about the legal systems in Aotearoa and build your foundational skills in legal research and writing.

With good grades in LAWS101 and LAWS110 (normally at least a B), you can advance into 200-level Law courses, all of which are subject to limited entry. From third year, you will be able to customise your study to focus on different areas of the law, including:

- Corporate and Commercial Law
- Criminal Justice and Rights
- Employment and Dispute Resolution
- General Legal Practice
- Media Law
- International Law
- Property and Resources
- Constitutional Law.

You will also need to also study five non-Law courses in the first year of your degree.

Highlights

- UC has a specially designed Moot Court room, regularly used for client interviewing, witness examination, mooting, and negotiation competitions.
- Get work experience through internships, clinical, and community work opportunities.
- Many student clubs including LAWSOC, Women in Law, Te Pūtāiki Māori Law Students' Association, Law for Change, and UC Animal Law Association.
- The structure of this degree allows you to do a double degree or switch degrees if you're unable to advance to 200-level LAWS or prefer not to continue with the LLB. This is possible because you will need to study 75 points (typically five 15-point courses) in the first year of your degree eg, Arts, Commerce, Criminal Justice, Science.

Career ready

- UC has Law Internship courses letting you gain skills through community and clinical work experience.
- Gain necessary legal skills in research, writing, analysis, and reasoning for a range of careers beyond law.
- Graduates are working as lawyers, policy analysts, Māori development advisors, foreign affairs officers, and journalists.

'Studying Law is fascinating. Law affects every part of our lives and the skills the degree teaches you are so applicable.'

Courtney
Bachelor of Laws and Bachelor of
Criminal Justice

Bachelor of Music. MusB

Bachelor of Music – example degree structure

Year 1



Year 2



Year 3



■ Compulsory courses
 ■ Major courses
 ■ Optional music courses
 ■ Courses from Music or other degrees

Each small block represents a 15-point course. However, some courses may be 30 points or more. This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

Majors
Composition
Creative Music Technology
Music Studies
Performance

How to apply:

Performance major:
 Entry to some first-year Performance courses are limited based on an audition with an instrument or in singing. Applications should be made to Te Kura Puoro | School of Music no later than **20 September**. Early auditions begin **22 August**.
 Other majors require no previous music studies and no special application.

Highlights

- You will have plenty of opportunities to perform, with over a hundred concerts hosted on campus each year.
- Enjoy unique learning spaces across our Ilam campus and Art Centre locations.
- Connect with the community through internships and collaborative projects.
- Combine your interests with the option to do a double major.

Career ready

- Put your skills into practice with opportunities to perform and through internships.
- Alongside your skills in music creation and practice, you will also gain skills in communication, teamwork, project management, and creative thinking.
- Graduates are working as composers, sound designers, journalists, performers, arts administrators, producers, music therapists, music educators, and more.

‘I value the connections between the University and professionals in the music scene in Christchurch, and I can learn from some of the best musicians in the city who tutor here.’

Matthew
 Bachelor of Music in Performance,
 Bachelor of Commerce in Accounting

Bachelor of Product Design. BProdDesign

Bachelor of Product Design – example degree structure

Year 1

PROD 101	PROD110 or ENGR101	MATH or EMTH 100 Level	MGMT 100	100 Level	100 Level	100 Level
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Year 2

PROD 200 Level	PROD 200 Level	PROD 200 Level	PROD 200 Level	200 Level ¹	200 Level ¹	MKTG100 or ECON104 or ACCT102
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Year 3

PROD 300 Level	PROD 300 Level	PROD 300 Level	300 Level ³	200 Level ³	200 or 300 Level MGMT, MKTG, ECON, FINC or ACCT ²	200 or 300 Level MGMT, MKTG, ECON, FINC or ACCT ²
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Compulsory courses
 Courses required for major

¹ Select courses from the Bachelor of Science or Bachelor of Engineering with Honours degrees, depending on chosen major.

² If students have not completed MKTG 100 then at least 15 points of MKTG200 or 300-level courses.

³ Select 15 points above 200-level from the Bachelor of Engineering with Honours or Bachelor of Science degree schedules.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

Majors
Applied Immersive Game Design
Chemical Formulation Design
Industrial Product Design

The first year of your degree includes courses in product design, mathematics, management, and introductory courses specific to your chosen major.

From the second year of your degree you will focus on your major and develop a deeper understanding of manufacturing, testing, and commercialising your product ideas.

You will need to have previous studies in chemistry from secondary school for entry into Chemical and Formulation Design.

Highlights

- Combine creative design, science, engineering, and business studies to develop items for use in homes, businesses, and industry.
- You will have access to state-of-the-art design, laboratory, computer, and testing facilities.
- Develop your ideas through a number of projects working as an individual or as part of a team.
- Study a BProdDesign alongside a Bachelor of Science or Bachelor of Commerce to complete a conjoint degree in just four years.

Career ready

- Gain practical experience by taking part in design projects right from the first year.
- Learn to develop ideas based on the latest science and technology, while gaining the business skills needed to launch new products that fulfil a market need.
- Graduates will be ready to work in design agencies, manufacturing companies, engineering consultancies, educational and training companies, research and development, and more. You may even choose to start your own company.

‘Knowing I’m learning about things that could do something significant is important to me, because I feel like I can really go all in and get excited about the future.’

Holly
Bachelor of Product Design in Industrial Product Design

Bachelor of Science. BSc

Bachelor of Science – example degree structure

Year 1



Year 2



Year 3



¹ Students should allow for more than one potential major subject. Students should check the 100-level requirements for their potential majors as some majors require more than two 100-level courses or enrolment in a complementary subject such as Mathematics.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

Majors
Astronomy
Biochemistry
Biological Sciences
Chemistry
Computer Science
Economics
Environmental Science
Finance
Financial Engineering
Geography
Geology
Linguistics
Mathematics
Medicinal Chemistry
Philosophy
Physics
Psychology
Statistics

Highlights

- Learn from a wide network of field stations reaching from Antarctica to Nigeria and throughout Aotearoa.
- ‘Do science’ right from the first semester of your first year. We have access to the most field stations of any Aotearoa university and offer a range of hands-on practical experiences, research projects, and lab and field work.
- Global study experiences, including exchanges to partner universities.
- You can choose to take a minor in Science, or from additional subjects in Arts, Commerce, Health Science, Sport Coaching, or Youth and Community Leadership.

Career ready

- You’ll get hands-on practical and clinical learning experiences, from the lab to the field.
- Gain project management, critical thinking, and research skills alongside practical knowledge of your chosen major in Science.
- A BSc sets you up to pursue a wide range of careers all over the world – from marine biologist to aerospace engineer, and much more. It can open doors to many other careers, including business, politics, medicine, finance, and engineering. With a BSc, anything is possible.

‘It has taught me to think a lot more scientifically, learning to distinguish what needs to be questioned further, to objectively identify problems and come up with solutions.’

Joel
Bachelor of Science in Chemistry,
Master of Science in Chemistry

Bachelor of Social and Environmental Sustainability. BSEnS

Bachelor of Social and Environmental Sustainability – example degree structure

Year 1

SENS 101	ENVR 101	MAOR 108	WRIT 101	ARTS 102 or STAT 101	100 Level	100 Level	100 Level
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Year 2

SENS 201	200 Level	100 Level					
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Year 3

SENS 301	PACE 295 or 395	300 Level	300 Level	300 Level	300 Level	200 Level
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■ Compulsory courses	■ Major courses	■ Courses from Arts or other degrees
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Each small block represents a 15-point course. However, some courses may be 30 points or more. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

Majors
Environmental Policy, Governance and Social Justice
Indigenous Knowledge and Sustainable Partnerships
Social Action, Community and Global Development
Sustainable Business, Enterprise and Economics

Highlights

- The only undergrad degree in Aotearoa that focuses on all areas of sustainability – from social to economic to environmental.
- Courses come from a variety of different subjects – including Environmental Science, Policy, and Marketing – so you can get a full view of the global issues that you are passionate about and learn how you can achieve behaviour change and social action.
- Option to study a minor from subjects across Arts, Commerce, Health Sciences, Science, Sport Coaching, and Youth and Community Leadership.
- Use UC's local and global contacts with entrepreneurs, environmental scientists, tangata whenua, and other change makers.
- Final year internship with a local business so you can get real experience making a difference.

Career ready

- A 2020 report showed that job satisfaction in sustainability professionals is much higher than other New Zealand professionals.
- Complete a final-year internship supporting our local industry in sustainability.
- Knowing how to identify, critique, and actually make these necessary changes will make you hugely beneficial to our collective goal to make the world a better place.
- Graduates will find work as consultants, policy analysts, aid and advocacy workers, environmental advisors, economists, business managers, entrepreneurs, and more.

'I think it's important to understand your position as a global citizen. We're all so interconnected now.'

Nic
Bachelor of Laws, Bachelor of Arts in Human Services with a minor in Sociology

Bachelor of Social Work with Honours. BSW(Hons)

Bachelor of Social Work with Honours – example degree structure

Year 1

SOWK 101	SOWK 102	SOWK 104	HSRV 103	MAOR 108 or 165	100 Level	100 Level	100 Level
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Year 2

SOWK 202	SOWK 203	SOWK 205	SOWK 206	SOWK 212	HSRV 204	MAOR 212	200 Level ¹
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Year 3

SOWK 301	SOWK 303	SOWK 304	SOWK 308	SOWK 340
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Year 4

SOWK 490	SOWK 491	SOWK 492
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■ Compulsory courses
 ■ Courses chosen from ANTH, CRJU, EDUC, MAOR, POLS, PSYC, SOCI, TREC, or WRIT 101
 ■ Courses from Arts or other degrees

¹ Choose from CULT202, HIST243, HSRV208, HSRV210, MAOR270, MAOR285, COMS207, POLS206, POLS212, or SOCI218.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

In the first year of your degree, you will study five compulsory courses that give you an introduction to social services in Aotearoa, and cover some of the issues that impact and shape our society.

In your second year, you will explore communication in the human services, human behaviour and development, social policy, diversity, and culture, and Māori and Indigenous development. Entry into the second year and beyond requires a special application.

Highlights

- Follow your interests in topics such as mental health, child welfare, criminal justice, ageing, violence and abuse, and gender and sexuality.
- In fourth year, 75% of your study is made up of fieldwork placements in social service agencies.
- Small class sizes allow you to work closely with staff and other students.
- This degree sets you up to work in the social work field in Aotearoa or overseas, particularly in the UK and Australia where there is a Mutual Recognition Agreement between the NZSWRB and the Australian Association of Social Workers.

Career ready

- Gain practical experience through the two fieldwork placements in the fourth year of your degree.
- The combination of theory and practice sets you up with the values, knowledge, and skills needed to work in the social work profession.
- Graduates are working as community development workers, counsellors, social workers, youth workers, policy analysts, educators, and more.

‘Studying Social Work has given me the opportunity to view the world from an open and more understanding lens.’

Tyler (Ngāi Tahu)

Bachelor of Social Work with Honours

NOTE: The government has announced new vaccination requirements for the health and education sectors. This qualification requires students to undertake placements in the community, including in schools/kura, community and social services, and/or health/medical facilities.

For this qualification, you will be required to be vaccinated in line with the NZ Government regulations, and supply evidence of your vaccination status.

Bachelor of Speech and Language Pathology with Honours. BSLP(Hons)

Bachelor of Speech and Language Pathology with Honours – degree structure

Year 1 – Intermediate



Year 2 – 1st Professional



Year 3 – 2nd Professional



Year 4 – 3rd Professional



■ Compulsory courses ■ Clinical placement ■ Elective courses

¹ Students must take one of the following: HLTH106; MAOR165; MAOR172; SCIM101; TREO110; TREO111.

² Students can choose courses from other degrees to make up 120 points. Some courses are recommended.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

In the first year of your degree you will complete compulsory courses covering introductory anatomy, physiology, and statistics, and choose from a range of interest courses including Māori culture, language, psychology, and health.

From second year, you will begin your Professional Years. This includes a mix of theory, research, observation, and clinical practice working with real patients from babies to the elderly.

Entry into each year of the degree is limited based on your grade average of the preceding year, and fluency in English. If you are unsuccessful in gaining a place to the second year, your completed courses can usually be credited to the Bachelor of Science, Bachelor of Arts, or Bachelor of Health Sciences.

Highlights

- The BSLP(Hons) is a highly regarded, professional degree accredited by the Te Kāhui Kaiwhakatikatika Reo Kōrero o Aotearoa | New Zealand Speech-language Therapists' Association (NZSTA).
- You have the opportunity to work with people of all ages at clinics on campus, nationally, and overseas.
- Fieldwork accounts up to 50% of your coursework depending on year of study.
- This degree sets you up to work in Aotearoa and overseas as the qualification is recognised in Australia, the United Kingdom, Ireland, and Canada.

Career ready

- We have a speech and language pathology clinic on campus and the opportunity to go on placement to speech-language therapy clinics at hospitals, schools, and other facilities nationwide and overseas.
- You will learn skills to help with client assessment, and the planning, management, and evaluation of therapy programmes.
- Graduates are working with children who have autism or language delays, helping stroke patients relearn speech, developing new communication devices and tests, building their own private practices, and more.

'Every bit of this degree will be so worth it at the end of the day.'

Stephanie
Bachelor of Speech and Language
Pathology with Honours

NOTE: The recent government mandate regarding vaccination of workers in the education and health and disability sectors means that speech-language therapy and audiology students will need to be fully vaccinated for COVID-19 in order to complete the practical or clinical requirements for their programme. Students enrolled in speech-language therapy and audiology programmes for 2023 will be required to be fully vaccinated.

Bachelor of Sport Coaching. BSpC

Bachelor of Sport Coaching – example degree structure

Year 1

SPCO 101	SPCO 102	SPCO 104	SPCO 105	SPCO 110	100 Level	100 Level or above	100 Level or above
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Year 2

SPCO201 or SPCO302	SPCO 208	SPCO 209	200 Level	200 Level	200 Level	200 Level or above	100 Level or above
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Year 3

SPCO 320	300 Level	200 Level or above	200 Level or above				
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 Compulsory courses	 Major courses	 Optional courses
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Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

Subjects

Performance Analysis

Physical Education

Nutrition

Sport Science

Sports Leadership and Management

Strength and Conditioning

Strength and Conditioning with Nutrition

Highlights

- Learn through a blend of practice and theory covering all aspects of sports coaching.
- Focus your degree on sports of your choice, from individual sports to team sports and professional athletes.
- You have the option to study a minor from Sport Coaching or subjects across Arts, Commerce, Health Science, Science, and Youth and Community Leadership.
- Get involved in the community through coaching in schools, teams, or in sports-related organisations throughout study.

Career ready

- Put your skills into practice with a 120-hour internship in your final year.
- Gain skills in communication, management, leadership, teamwork, motivation, and psychology.
- Graduates are working as strength and conditioning coaches, community sports coordinators, performance analysts, sports scientists, managers, and more.

‘I would like to develop a younger breed of talent onto the professional stage and make the country proud.’

Ikhwan

Bachelor of Sport Coaching in Performance Analysis

Course code	Course title
SPCO101	Introduction to Sport Coaching
SPCO102	Theoretical Foundations of Coaching and Teaching
SPCO104	Anatomy and Physiology
SPCO105	Social History of Sport and Physical Education
SPCO110	Practicum 1

NOTE: The recent government mandate requiring vaccination of education workers applies to sports coaches in schools. As hands-on coaching experience is a major component of the Bachelor of Sport Coaching we expect students will be fully vaccinated for COVID-19. Students who choose not to be vaccinated will need to organise their own approved practicum/internships in a setting that does not require them to be vaccinated in order to meet the requirements of the degree.

As some of the courses within this programme involve working with children, a police check and interview will be completed at the beginning of these courses.

Ako: Bachelor of Teaching and Learning. Ako:BTchLn

Bachelor of Teaching and Learning – example degree structure

Year 1

AKOT 101	AKOT 161	100 Level					
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Year 2

AKOT 261	AKOT 262	200 Level					
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Year 3

300 Level							
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■ Compulsory courses ■ Endorsement courses

Each small block represents a 15-point course. However, some courses may be 30 points or more. This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study Information

Endorsements
Early Childhood Education
Primary Education
Mātauranga Māori (bilingual programme)

How to apply:

Admission requirements include English language competency, te reo Māori language competency for the Mātauranga Māori endorsement, a police check, referees' reports, an interview, and a short literacy and numeracy test.

Our selection for entry is based on your academic ability, involvement and interest in working with children, community involvement, communication skills, and other personal qualities.

Applications close **1 December**.

NOTE: The government has announced new vaccination requirements for the health and education sectors. This qualification requires students to undertake placements in the community, including in schools/kura, community and social services, and/or health/medical facilities.

For this qualification, you will be required to be vaccinated in line with the NZ Government regulations, and supply evidence of your vaccination status.

Highlights

- Ako: Bachelor of Teaching and Learning is internationally recognised, giving you the option to work abroad after graduating.
- You will take te ao Māori courses in each endorsement, so you can incorporate bicultural knowledge and competence into teaching practices.
- Professional placements in schools and community engagement throughout the degree.
- You will learn from lecturers who use the latest research in their teaching.
- Flexible study options, choose to study on campus in Ōtautahi Christchurch, or by distance.

Compulsory courses

Course code	Course title
AKOT101	Ngā Tāngata o Aotearoa: Te Mana o Te Tiriti o Waitangi
AKOA161	Mana Aotūroa 1: Practice Exploration 1
AKOA261	Mana Aotūroa 2: Practice Exploration 2
AKOA262	Mana Aotūroa 3: Practice Exploration 3

Career ready

- Meet the requirements to apply for provisional teacher registration with Matatū Aotearoa | Teaching Council of New Zealand.
- You will gain cultural and linguistic sensibilities and learn to care for of all kinds of students.
- You will gain skills such as management, collaboration, resilience, problem-solving, and more.
- Graduates have gone on to teaching and managing positions in primary, intermediate, middle, and area schools in Aotearoa, and more.

'I wanted to push myself out of my comfort zone and I just wanted something different, UC gave me that! As a distance student I had to be very organised, independent, and self-motivated. These are skills that I use every day in my job.'

Jamie (Ngāti Maru)
Bachelor of Teaching and Learning (Primary)

Bachelor of Youth and Community Leadership. BYCL

Bachelor of Youth and Community Leadership– example degree structure

Year 1

YACL 101	CHCH 101	EDUC101 or EDUC102 or POLS103	100 Level				
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Year 2

YACL 201	EDUC 206	CULT202 or EDUC204 or INOV290	200 Level	200 Level	200 Level	200 Level	100 or 200 Level
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Year 3

EDUC302 or EDUC339	YACL 301	YACL 302	300 Level	300 Level	200 or 300 Level	200 or 300 Level
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■ Compulsory courses
 ■ Elective courses
 ■ Courses from Arts or other degrees

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Study information

In the first year of your degree, you will take introductory courses on leadership skills, understanding communities, identifying areas in need of change, and creating group projects.

From second year, you will explore team leadership and training, potential boundaries for change, cultural and political influences, and build your research and management skills.

Highlights

- Flexible degree that allows you to choose courses and study the issues that matter most to you.
- Connect with UC's community through noho marae, volunteering with Te Hunga Tūao | Student Volunteer Army, and work with Te Mātāpuna Mātātahi Children's University.
- You have the option to add a minor from subjects across Arts, Commerce, Health Sciences, Science, and Sport Coaching.
- On completion of the recommended courses for youth work and development you can apply for membership to Korowai Tupu, the professional Association for Youth Workers in Aotearoa.

Career ready

- Practical experience through work with UC community organisations.
- Develop skills in leadership, communication, project management, stakeholder engagement, research, and solution-based thinking to help create real results.
- Graduates will be ready to work as leaders of their area of interest, including politics, teaching, iwi development, community services, charities, marketing, and more.

Courses	
YACL101	Introduction to Youth Leadership: Leading the Self
CHCH101	Strengthening Communities through Social Innovation
EDUC101	Spark! How & What People Learn
EDUC102	Child and Adolescent Development
POLS103	Introduction to New Zealand Politics and Policy

‘One of the greatest things with the BYCL is that you are developing so many transferable skills.’

Ella
Bachelor of Youth and Community Leadership

How do majors and minors work?

Majors

A major is a particular subject within your degree that you have specialised in. It makes up about a third your degree and at least half of your final year. You will study this subject all the way to the final year of your degree. Not all degrees have majors but most of the general degrees at UC do – such as the Bachelor of Arts, Bachelor of Commerce, and Bachelor of Science.

An example of a major would be if you studied the Bachelor of Arts with a major in Psychology.

Minor

When compared to the major, a minor is another subject that you have included in your degree, but not to the same extent as the major. It can be a subject

that complements your major, or can be a subject from another general degree entirely. For example, a student studying the Bachelor of Commerce might want to primarily focus on Management (their “major”) but also has an interest in French (their “minor”).

Minor in Engineering

In the Bachelor of Engineering with Honours (BE(Hons)), there are some engineering disciplines that allow you to further enhance your knowledge in that specific discipline by including an engineering minor. For example, students doing Mechanical Engineering and who have an interest in designing and creating medical and healthcare technology might decide to include a Biomedical Engineering minor.

Double major

A double major is where students choose to specialise in two subjects from the same degree. You can often complete these in the same time as a single major without any extra workload.

A student doing a Bachelor of Arts, who started with a Political Science and International Relations major and Media and Communication minor could decide after their first year that they are just as interested in both subjects, taking Media and Communication further in their degree and turning it from a minor into second major.

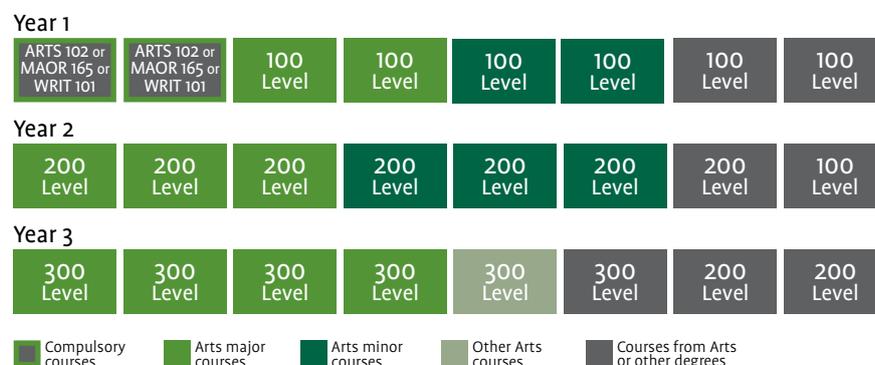
An example of degree structures for a Bachelor of Arts (single major and minor) and Bachelor of Arts (double major).

More information

If you have any questions, please contact a student advisor for degree planning advice. They can help show you how the degrees are structured, and how majors and minors might work for you depending on what subjects you’re interested in studying.

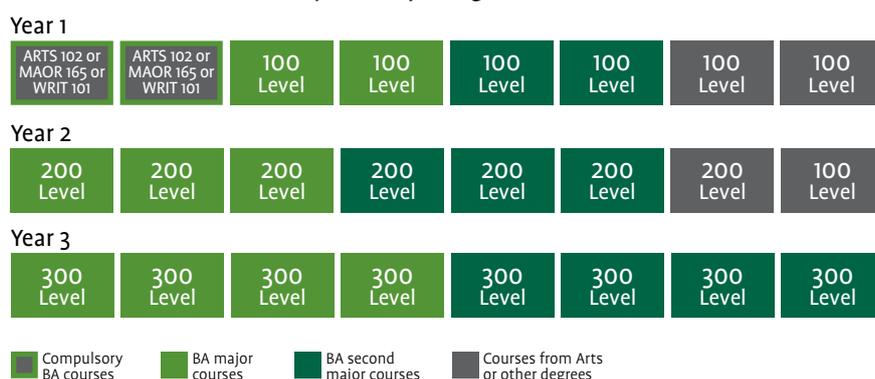
You can read the subjects starting on [page 41](#) or visit the degree to see the subjects available as majors and minors at canterbury.ac.nz/courses

Bachelor of Arts – Major/minor pathway example degree structure



Each small block represents a 15-point course. However, some courses may be 30 points or more. This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Bachelor of Arts – Double Major example degree structure



Each small block represents a 15-point course. However, some courses may be 30 points or more. This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

Double and conjoint degrees

If you are really keen, you can combine bachelor's degrees. There are two ways of doing this — double degrees and conjoint degrees. Both require extra work and you should talk to a student advisor before starting either.

Double degrees

Some bachelor's degrees can be studied together. This allows you to really specialise your study, opening up a wider range of career options.

Conjoint degrees

Conjoint degrees combine two bachelor's degrees into one degree. Unlike double degrees, these must be completed at the same time, and involve a much higher workload each year. There are currently five conjoint degrees that we offer:

- Conjoint BA/BCom
- Conjoint BA/BSc
- Conjoint BCom/BSc
- Conjoint BProdDesign/BCom
- Conjoint BProdDesign/BSc.

Other options

Depending on what you are wanting to study there might be better, and quicker, options than studying a double degree or conjoint degree. If you're considering multiple options then talk to a student advisor to see what options are available to you.

The table below compares the two ways of studying:

	Double degree	Conjoint degree
Entrance requirements	University Entrance (UE)	UE and at least Level 3 endorsed in Merit
Academic requirement to continue each year of degree	Standard academic progression expectations apply	Must maintain a grade average of least a B
Workload per year	Standard (120 points) Approximately eight (15-point) courses per year	Increased (135 points) Approximately nine (15-point) courses per year You must take at least one course from each qualification each year
Graduate	You can complete either both at the same time or one after the other	Both degrees must be completed before you can graduate
Minimum timeframe	5–6 years (depending on degrees)	4 years
Majors/minors	As required/permitted for each degree. Multiple majors (eg, double major in a single degree) and minors are possible	Maximum of one major in each degree. Minors may be possible; and a minor is required for the BA
Number of qualifications gained	Two — you gain both degrees	One — a conjoint combines the courses into just one degree



Double degree example degree structure

The degree diagram (right) provides an example of how a double degree, Bachelor of Arts and Bachelor of Commerce, might look like.

Please note: Double degrees need careful planning each year as not all degrees have the same structure and requirements.

Bachelor of Arts/Bachelor of Commerce – Double degree example degree structure

Year 1

ARTS 102 or MAOR 165 or WRIT 101	100 Level						
----------------------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

Year 2

ARTS 102 or MAOR 165 or WRIT 101	200 Level	200 Level	100 Level	200 Level	100 Level	100 Level	100 Level
----------------------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

Year 3

200 Level							
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

Year 4

300 Level	300 Level	300 Level	200 Level	300 Level	300 Level	200 Level	200 Level
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

Year 5

300 Level	300 Level	300 Level	200 Level	300 Level	300 Level	300 Level	300 Level
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

 Compulsory BA courses	 BA major courses	 BA minor courses	 Other Arts courses	 BCom major courses	 Other Commerce courses
---	--	--	--	--	--

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

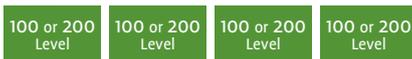
Certificates and Diplomas

Certificate in Arts

Study information

Certificate in Arts – example degree structure

Year 1



■ Arts subject (eg, Anthropology)

Each block represents a 15-point course. This diagram is an example only – other combinations are possible. For full course requirements, go to www.canterbury.ac.nz/regulations

The Certificate in Arts is an option of study if you are unsure if university is for you. It gives you a taste of what a university degree could involve. It is also a great way to gain knowledge in a subject that interests you without taking a full 3-year bachelor's degree.

Subjects	
Anthropology	Human Services
Art History and Theory	Japanese
Chinese	Linguistics
Cinema Studies	Māori and Indigenous Studies
Classics	Mathematics
Cultural Studies	Media and Communication
Digital Humanities	Music
Economics	Philosophy
Education	Political Science and International Relations
English	Psychology
English Language	Russian
European and European Union Studies	Sociology
French	Spanish
Geography	Statistics
German	Te Reo Māori
History	

Highlights

- Study from a range of subjects which offer field trips, real-world case studies, projects and more.
- Study four standard courses of your choice at 100 and/or 200-level in no more than two subjects.
- This Certificate can be studied full-time in 6 months or part-time for up to 5 years.
- Can be used as a stepping stone to the Bachelor of Arts with the ability to transfer your credits to that degree.

Certificate in Commerce

Study information

Certificate in Commerce – example degree structure

Year 1



■ Commerce course

Each block represents a 15-point course. This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

The Certificate in Commerce is an option to add commerce courses alongside your degree, other university studies, or professional development. The Certificate pathway is also a way to experience commerce without studying a full 3-year degree.

Subjects	
Accounting	Information Systems
Computer Science	Innovation
Economics	Management
Finance	Marketing

canterbury.ac.nz/courses

Highlights

- Enhance your business skills from accounting theories to marketing practices in our rapidly expanding world of commerce.
- Study four standard courses of your choice at 100, 200 and/or 300-level.
- The Certificate can be studied full-time in 6 months or part-time over 4 years.
- Studying this Certificate can be used as a stepping-stone to the Bachelor of Commerce.

Certificate in Criminal Justice

Study Information

Certificate in Criminal Justice – example degree structure

Year 1



■ Core course

■ Courses from the Bachelor of Criminal Justice degree schedule C

Each block represents a 15-point course. This diagram is an example only – other combinations are possible. For full course requirements, go to www.canterbury.ac.nz/regulations

The Certificate in Criminal Justice is for those wanting a career change into the criminal justice fields, or who are only available to study part-time, or not wanting to study the full Bachelor of Criminal Justice degree.

The Certificate is also a professionally relevant qualification for those already employed within the sector who wish to enhance their current skills and knowledge.

Highlights

- A range of subjects to enhance your current knowledge or gain new skills.
- Study four courses at 100-level in one semester part-time or up to four years part-time.
- The Certificate in Criminal Justice is a good pathway into the full Bachelor of Criminal Justice Degree.

canterbury.ac.nz/courses

Certificate in Languages

Study information

Certificate in Languages – example degree structure

Year 1



Language courses

Each block represents a 15-point course. This diagram is an example only – other combinations are possible. For full course requirements, go to www.canterbury.ac.nz/regulations

If you are interested in languages, but don't want to study a full degree, the Certificate in Languages is for you. This Certificate can be an addition to your current studies, or a way to learn the language you have always wanted to learn.

You can study up to two languages at 100 and/or 200-level courses.

Subjects	
Ancient Greek	Latin
Chinese	Russian
French	Spanish
German	Te Reo Māori
Japanese	

canterbury.ac.nz/courses

Highlights

- Four courses at 100 and/or 200 level that can be completed in a minimum of 6 months full-time to 5 years part-time.
- Courses in the Certificate of Languages are introductory therefore no prior knowledge is required.
- Combine this Certificate with your other studies to gain knowledge in a language which can open up your future job prospects.
- Credits from this Certificate can be transferred to a Diploma in Languages or the Bachelor of Arts.

Certificate in Health Sciences

Study information

Certificate in Health Sciences – example degree structure

Year 1



Compulsory courses Optional courses

¹ Choose two of HLTH101, HLTH106, HLED121, HLED122.
² Choose two courses from Schedule E.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

The Certificate in Health Sciences prepares you with the skills and knowledge to make a positive contribution to the wellbeing of your community through health promotion.

This Certificate is a way to experience and gain knowledge on Health Sciences without taking the full Bachelor's degree.

Highlights

- Learn how circumstances in which people live, work, and play affect their health, and how we can create environments that support New Zealanders to live healthy lives regardless of their income or ethnicity.
- The Certificate consists of introductory compulsory courses in health promotion with optional courses in a specific area of health interest.
- Study and complete four courses full-time in 6 months or part-time over three years.
- This programme is FREE under Targeted Training Apprenticeship Fun (TTAF).
- Possibility to transfer your completed courses to the Diploma in Health Sciences or the Bachelor of Health Sciences.

Certificate in Science

Study Information

Certificate in Science – example degree structure

Year 1



Science subject (eg, Geography)

Each block represents a 15-point course. This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

A Certificate in Science is a qualification pathway you can take if you are wanting to gain knowledge in the Science field without taking a full bachelor's degree, or to develop your professional knowledge.

Subjects	
Astronomy	Geology
Biochemistry	Linguistics
Computer Science	Mathematics
Data Science	Medicinal Chemistry
Economics	Philosophy
Environmental Science	Physics
Finance	Psychology
Financial Engineering	Statistics
Geography	

canterbury.ac.nz/courses

Highlights

- Choose from a range of subjects that suit your specific science interests ranging from Astronomy, to Environmental Science, Medicinal Chemistry, and Psychology.
- Complete a minimum of 60 points of courses at 100 and/or 200-level from Bachelor of Science subjects.
- This Certificate can be completed within one semester full-time, or part time for up to 6 years.
- Courses can be transferred to some degrees and is a great stepping stone to the Bachelor of Science.

Certificate in Sport Coaching

Study Information

Certificate in Youth and Community Leadership – example degree structure

Year 1



■ Compulsory courses

Each block represents a 15-point course.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

If you are involved in sport coaching or team management at any level, and wish to enhance your development and skills, the Certificate in Sport Coaching is the ideal programme for you. You will learn from leading experts and academics, and have access to world-leading technologies throughout this certificate programme.

Highlights

- Choose from a range of courses that suit your specific area of interests, which include practical work and labs.
- Develop your work-based skills as a coach, or gain knowledge to increase your employability in the sporting industry.
- Complete four courses at 100 and/or 200-level from the Bachelor of Sport Coaching degree. These can be completed in part-time study, full-time study, on campus, or at home.
- Credits from this Certificate can be transferred to the Bachelor of Sport Coaching and some other degrees.

Certificate in Youth and Community Leadership

Study Information

Certificate in Sport Coaching – example degree structure

Year 1



■ Core courses

■ Optional courses

Each block represents a 15-point course.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

If you have an interest in developing your leadership skills, exploring global issues, and are passionate about resolving them, then the Certificate in Youth and Community Leadership is for you. This programme is a great option for working professionals already in leadership positions, or those who don't want to complete the full bachelor's degree.

Highlights

- Learn about leadership of self, leading others, through exploration and experience of a wide range of contemporary leadership theories including in the unique culture of Aotearoa New Zealand.
- Carry out group projects in the local community with the skills you have developed throughout your studies.
- Build on UC's expertise and reputation to humanitarian work and social activism.
- This Certificate can be completed in 12 months full-time, or up to 3 years part-time on campus, or via distance.

Diploma in Global Humanitarian Engineering

Study Information

The Diploma in Global Humanitarian Engineering is an additional diploma you can take alongside your Bachelor of Engineering with Honours degree. It involves applying your engineering skills and knowledge into a humanities and social science context in order to help solve our largest global issues.

As part of this Diploma you must complete a minimum of 120 points, including:

- 45 points of which can be cross-credited from a BE(Hons) degree
- 45 points made up of courses from a list of humanities and social sciences courses
- 30-point capstone course in humanitarian engineering, which includes either a professional report or practical component.

Highlights

- Gain knowledge in how to help solve global issues such as food and water shortages, power supply, climate change, and ageing populations.
- Opportunity to work in disadvantaged or developing community as part of your studies applying both Engineering and Global Humanitarian Engineering knowledge.
- Complete courses in your specific Engineering discipline degree alongside additional courses from Arts subjects.
- Gain social and communication skills that will make you stand out against other Engineering graduates to prospective employers nationally, and internationally.

Diploma in Health Sciences

Study Information

Diploma in Health Sciences – example degree structure

Year 1

HLTH 101	HLTH 106	HLTH 110	HLED 121
HLED 122	HLTH 201	100 or 200 Level ¹	100 or 200 Level ¹

Compulsory courses

Optional courses

¹ Choose two courses from Schedule E.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

The Diploma in Health Sciences pathway will give you the knowledge to understand principles and practices of health promotion. Learn how you can be part of driving the change of a healthier Aotearoa, and empower communities to take health back on their own terms and increase access to services.

Highlights

- Take six compulsory courses alongside two optional courses in an area of your choice ranging from physical activity and nutrition, to Māori and Indigenous development.
- This programme is FREE under Targeted Training Apprenticeship Fun (TTAF).
- Complete your studies in on year full-time, or up to four years part-time.
- The Diploma in Health Sciences is a great pathway to other UC degrees including the Bachelor of Health Sciences.



Diploma in Languages

Study information

Diploma in Languages – example degree structure

Year 1

100 Level	100 Level
-----------	-----------

Year 2

200 Level	200 Level
-----------	-----------

Year 3

300 Level	300 Level
-----------	-----------

Language courses

Up to 30 points of non-language courses (eg. culture, history) may be chosen if only taking one language.

Each small block represents a 15-point course. However, some courses may be 30 points or more.

This diagram is an example only – other combinations are possible. For specific course requirements, go to www.canterbury.ac.nz/regulations

If you are interested in learning or developing further skills in languages and would like to develop cultural competencies in these areas, a Diploma in Languages could be for you.

This language pathway is a great option to study languages alongside your other degree programmes, as you can study up to two languages at the same time and graduate with an additional qualification.

Subjects

Ancient Greek	Latin
Chinese	Russian
French	Spanish
German	Te Reo Māori
Japanese	

canterbury.ac.nz/courses

Highlights

- Gain extensive knowledge in languages of your choice which will increase your employability in many occupations and areas of work.
- Complete 120 points of courses in total in language courses as well as non-language courses such as culture or history.
- Complete the Diploma part-time within 6 years or full-time alongside your other degree.
- This Diploma is a great stepping stone to the Bachelor of Arts.

UC postgraduate qualifications

Are you curious about a specialist topic? Maybe you wish to boost your employment chances, develop your career, or change direction completely?

Whatever your goals, UC has over 120 graduate and postgraduate qualifications on offer and support services to help you achieve them.

Advantages of further study

Postgraduate or graduate study could be the ticket to a more influential and interesting career, be it in research or leadership roles, or having the knowledge and practice to effect positive change. UC students gain more than just intellectual skills and professional knowledge; our graduates are work-ready, culturally aware, willing to play an active role in the community, and globally connected.

Graduate and postgraduate study can provide you with:

- specialist skills and applied experience
- enhanced knowledge in topics you care about
- entry into specific occupations
- the opportunity to conduct original research that contributes to knowledge in that field
- smaller classes and closer links with staff
- evidence of high academic attainment and self-discipline
- a mark of independent research capability and original thought, particularly for research-based qualifications
- a marketable qualification which could make you more employable, qualified, and in many cases, more financially secure. Research shows that study at postgraduate level (master's and PhD) could give students a salary advantage.

Postgraduate honours degrees*

Qualification
Bachelor of Arts with Honours
Bachelor of Commerce with Honours
Bachelor of Music with Honours
Bachelor of Science with Honours

*Other honours degrees at UC are studied as part of an undergraduate programme.

Graduate certificates and diplomas

Qualification
Graduate Certificate in Sport Coaching
Graduate Diploma in Arts
Graduate Diploma in Commerce
Graduate Diploma in Criminal Justice
Graduate Diploma in Teaching and Learning (Early Childhood)
Graduate Diploma in Journalism
Graduate Diploma in Māori Language and Pedagogies: Aumiri Pounamu
Graduate Diploma in Science
Graduate Diploma in Strategic Communication
Graduate Diploma in Teaching and Learning (Primary Education or Secondary Education)

Postgraduate certificates and diplomas

Qualification
Postgraduate Certificate in Antarctic Studies
Postgraduate Certificate in Architectural Engineering
Postgraduate Certificate in Arts
Postgraduate Certificate in Business
Postgraduate Certificate in Civil Engineering
Postgraduate Certificate in Clinical Teaching

Postgraduate Certificate in Counselling Studies
Postgraduate Certificate in Digital Humanities
Postgraduate Certificate in Education
Postgraduate Certificate in Engineering
Postgraduate Certificate in Geospatial Science and Technology
Postgraduate Certificate in Health Sciences
Postgraduate Certificate in Information Systems and Technology
Postgraduate Certificate in Māori and Indigenous Leadership
Postgraduate Certificate in Palliative Care
Postgraduate Certificate in Product Design
Postgraduate Certificate in Product Innovation
Postgraduate Certificate in Science
Postgraduate Certificate in Specialist Teaching
Postgraduate Certificate in Sport Science
Postgraduate Certificate in Teaching English to Speakers of Other Languages
Postgraduate Certificate in Te Reo Māori
Postgraduate Certificate in Tertiary Teaching
Postgraduate Certificate in Youth and Community Leadership
Postgraduate Diploma in Applied Data Science
Postgraduate Diploma in Art Curatorship
Postgraduate Diploma in Arts
Postgraduate Diploma in Business
Postgraduate Diploma in Business Administration
Postgraduate Diploma in Business Information Systems
Postgraduate Diploma in Child and Family Psychology
Postgraduate Diploma in Clinical Psychology
Postgraduate Diploma in Cognitive Behaviour Therapy



Postgraduate Diploma in Education
Postgraduate Diploma in Engineering Management
Postgraduate Diploma in Fine Arts
Postgraduate Diploma in Forestry
Postgraduate Diploma in Geospatial Science and Technology
Postgraduate Diploma in Health Sciences
Postgraduate Diploma in Information Systems and Technology
Postgraduate Diploma in Science
Postgraduate Diploma in Specialist Teaching
Postgraduate Diploma in Sport Science
Postgraduate Diploma in Te Reo Māori
Postgraduate Diploma in Teaching and Learning (Primary Education or Secondary Education)
Postgraduate Diploma in Water Resource Management
Postgraduate Diploma in Youth and Community Leadership

Master's degrees

Qualification
Master of Antarctic Studies
Master of Applied Data Science
Master of Applied Finance and Economics
Master of Applied Translation and Interpretation
Master of Architectural Engineering
Master of Arts
Master of Arts (Thesis)
Master of Audiology
Master of Business
Master of Business Administration (MBA)
Master of Business Information Systems
Master of Civil Engineering
Master of Commerce
Master of Computer-Assisted Language Learning
Master of Counselling
Master of Criminal Justice
Master of Disaster Risk and Resilience

Master of Education
Master of Education (Thesis)
Master of Engineering
Master of Engineering in Fire Engineering
Master of Engineering in Management
Master of Engineering Studies
Master of European Union Studies
Master of Financial Engineering
Master of Fine Arts
Master of Forestry Science
Master of Health Sciences
Master of Health Sciences Professional Practice
Master of Human Interface Technology
Master of International Relations and Diplomacy
Master of Laws
Master of Laws (International Law and Politics)
Master of Linguistics
Master of Māori and Indigenous Leadership
Master of Mathematical Sciences



Master of Music
Master of Policy and Governance
Master of Product Design
Master of Product Innovation
Master of Professional Accounting
Master of Science
Master of Social Work
Master of Social Work (Applied)
Master of Spatial Analysis for Public Health
Master of Specialist Teaching
Master of Speech and Language Pathology
Master of Sport Science
Master of Strategic Communication

Master of Systems Change
Master of Teaching and Learning (Primary Education or Secondary Education)
Master of Teaching English to Speakers of Other Languages
Master of Te Reo Māori
Master of Urban Resilience and Renewal
Master of Water Resource Management
Master of Writing
Professional Master of Computer Science
Professional Master of Engineering Geology
Professional Master of Geospatial Science and Technology

Doctorates

Qualification
Doctor of Education
Doctor of Musical Arts
Doctor of Philosophy (PhD)
Doctor of Health Sciences

“The knowledge and life skills that you get out of a degree like that are so valuable. The academic staff members are all incredible, with the small class size you are able to build more of a relationship and get to know members of the staff and I found them all to be very approachable and helpful.”

Paige
Master of Speech and Language Pathology,
PhD in Speech and Language Sciences

Certificate in University Preparation (CUP)



Study Information

- The Certificate in University Preparation (CUP) is designed to prepare Aotearoa New Zealand citizens or permanent residents for university study.
- The Certificate of University Preparation pathway is recommended for people of all ages, those who have been out of study for a while and want to refresh their study skills, or school leavers who want to gain University Entrance.

CUP courses

The Certificate comprises four courses: TRNS001 and three optional courses.

Course code	Course title
TRNS001	Academic Writing and Study Skills (compulsory)
TRNS002	Te Uku: Perspectives on the history and political expansions of Aotearoa and the Pacific
TRNS003	An Introduction to Social Issues and Challenges
TRNS004	Teacher Education and Educational Studies
TRNS005	Exploring the Psychology and Biology of the Human Mind
TRNS006	Chemistry: An introduction to atoms, bonding, and reactions
TRNS007	Preparatory Mathematics
TRNS008	Fundamental Physics
TRNS009	An Introduction to Statistics and Probability
TRNS010	Digital Data
TRNS011	An Introduction to Business
TRNS012	An Invitation to Law
TRNS013	Special Topic
TRNS017	Mathematics with Calculus
MATH101	Methods of Mathematics

Highlights

- Complete one compulsory academic writing and study skills course along with three other courses in an area of study that interests you.
- Interest courses range from teacher education, to physics, to law, to psychology, and business.
- Course places are limited to allow for small classes, which could include a combination of lecture, tutorials, seminars, exercises, and group work.
- Flexible study options with a 12-week programme of full-time study or part-time study either on campus or distance to suit your preparation needs.

'I've taken part in the CUP course which is essentially year 13 in three months. This was great as I never took any science papers at high school. I would recommend this to any students who had a rocky year 13, especially if you're entering a field that requires heavy prerequisite knowledge such as Engineering.'

Flynn
CUP, Bachelor of Science in Biochemistry,
Master of Science in Biochemistry

More to learn

The image displays 11 red book covers for the University of Canterbury 2023 prospectus. Each cover features the year '2023' in the top left, the University of Canterbury logo in the top right, and the faculty name in both English and Māori. Below the faculty name is a list of degree programs available for that faculty.

- Arts, Humanities and Social Sciences** (Arta, Hūmanaiti me te Awhiwhiwhi): Arts, Communication, Commerce, Health Sciences, Social and Environmental Sustainability, Science, Social Work with Honours, Youth and Community Leadership.
- Business Umanga** (Kōwhiri): Arts, Commerce, Communication, Data Science, Social and Environmental Sustainability, Science.
- Computer and Information Systems** (Rorohiko me te Pūnaha Pārongo): Data Science, Engineering with Honours, Product Design, Science.
- Creative Arts** (Toi Auaha): Arts, Fine Arts, Music, Product Design.
- Education and Teaching** (Mātauranga me te Ako): Bachelor of Arts, Also: Bachelor of Teaching and Learning, Graduate Diploma in Teaching and Learning, Postgraduate Diploma in Teaching and Learning, Master of Teaching and Learning (Primary Education or Secondary Education).
- Engineering and Product Design** (Pūhanga me te Hanga Otinga): Bachelor of: Engineering with Honours, Product Design.
- Health, Sport and Wellbeing** (Hauora, Hākinakina me te Oranga): Bachelor of: Arts, Engineering with Honours, Health Sciences, Science, Social Work with Honours, Speech and Language Pathology with Honours, Sport Coaching.
- Language and Culture** (Mātai Reo me te Ahurea): Bachelor of: Arts, Communication, Social and Environmental Sustainability, Speech and Language Pathology with Honours.
- Law and Criminal Justice** (Ture me te Muru Taihara): Bachelor of: Law, Criminal Justice.
- Sciences and the Environment** (Pūtaiao me te Taiao): Bachelor of: Arts, Data Science, Environmental Science with Honours, Engineering with Honours, Forestry Science, Health Sciences, Science, Social and Environmental Sustainability.

Aratohu
Kaupapa



Subjects



43	Accounting	64	Environmental Process Engineering	87	Pacific Studies
43	Aerospace Engineering	65	Environmental Science	87	Painting
43	Ancient Greek	65	European and European Union Studies	88	Performance
44	Antarctic Studies	66	Film	88	Performance Analysis
44	Anthropology	66	Finance	88	Philosophy
45	Applied Immersive Game Design	67	Financial Engineering	89	Philosophy, Politics and Economics
45	Art History and Theory	67	Forest Engineering	89	Photography
46	Astronomy	68	Forestry Science	90	Physical Activity
46	Biochemistry	68	French	90	Physical Education
47	Bioinformatics	69	Freshwater	91	Physics
47	Biological Sciences	69	Geography	91	Political Communication
48	Biomedical Engineering	70	Geology	92	Political Science and International Relations
48	Bioprocess Engineering	70	German	92	Population Health Data Science
49	Business Analytics	71	Global Societies and Cultures	93	Power Engineering
49	Business and Sustainability	71	Graphic Design	93	Primary Teacher Education
50	Chemical and Process Engineering	72	Health Education	94	Professional and Community Engagement
50	Chemical Formulation Design	72	History	94	Psychology
50	Chemistry	73	Human Resource Management	95	Public Health
51	Chinese	73	Human Services	95	Russian
51	Cinema Studies	74	Humanitarian Work	96	Sculpture
52	Civil Engineering	74	Indigenous Knowledge and Sustainable Partnerships	96	Secondary Teacher Education
52	Classics	74	Industrial Product Design	97	Social Action, Community and Global Development
53	Communication Strategy and Practice	75	Information Systems	98	Social Activism
53	Communications and Network Engineering	75	Innovation	98	Social Entrepreneurship
54	Composition	76	International Affairs	99	Social Work
54	Computational Linguistics	76	International Business	99	Society and Policy
55	Computer Engineering	77	Japanese	100	Society, Diversity and Change
55	Computer Science	77	Journalism	100	Sociology
56	Creative Industries and Contemporary Practice	78	Language, Brain and Behaviour	100	Software Engineering
56	Creative Music Technology	78	Latin	101	Spanish
56	Criminal Justice	78	Law	101	Spatial Data Science
57	Cultural Heritage	79	Linguistics	102	Speech and Language Pathology
57	Cultural Studies	79	Management	102	Sports Leadership and Management
58	Data Science	80	Māori and Indigenous Health	103	Sport Science
58	Digital Humanities	80	Māori and Indigenous Studies	103	Statistics
58	Early Childhood Teacher Education	81	Marketing	104	Strategy and Entrepreneurship
59	Economics	81	Mātauranga Māori	104	Strength and Conditioning
60	Ecosystem Health and Biosecurity	82	Mathematics	105	Strength and Conditioning with Nutrition
60	Education	82	Mechanical Engineering	105	Structural Engineering
61	Electrical and Electronic Engineering	83	Mechatronics Engineering	106	Sustainable Business, Enterprise and Economics
61	Energy Processing Technologies	83	Media and Communication	106	Sustainable Coasts
62	English	84	Medicinal Chemistry	107	Tauwhitinga Māori: Māori Communication Strategy and Practice
62	English Language	84	Music	107	Taxation and Accounting
62	Environmental Change	85	Music Studies	108	Te Reo Māori
63	Environmental Contamination	85	Natural Resources Engineering	108	Tourism Marketing and Management
63	Environmental Hazards and Disasters	86	Nutrition	109	Water and Environmental Systems Engineering
64	Environmental Policy, Governance and Social Justice	86	Operations and Supply Chain Management	109	Youth and Community Leadership
				110	Youth Work and Development

Accounting

‘Accounting opens the door to several career paths, whether it be as a small town Chartered Accountant or a top executive at a company.’

Sara

Bachelor of Commerce with Honours in Accounting and Information Studies

Accountants assess and report on the performance of organisations, and inform decisions about pricing, costs, systems and processes, investments, organisational strategy, and management. They also check if relevant rules and laws have been followed and ensure that the information is reliable and up-to-date.

At UC, you will learn about accounting, auditing, and tax rules and practices, and the role accountants play in many contexts including public, private, environmental, political, and more.

What will my study involve?

- Learn about important issues such as business ethics and corporate responsibility, data analytics, cryptocurrencies, and the increasing challenges of globalisation.
- The Accounting major qualifies you for provisional membership with professional bodies such as Chartered Accountants of Australia and New Zealand (CA ANZ), CPA Australia, and the Association of Chartered Certified Accountants (ACCA), or other international organisations, which means you can become a certified, chartered accountant.
- You can minor in Accounting in a large number of bachelor’s degrees to add accounting and financial knowledge to your studies.

Courses

You will take introductory courses in cashflow and profit reporting; accounting for managers; and taxation, followed by advanced study in business, government performance, cost management, and accounting theory and practice.

Courses can include:

- Financial accounting and reporting
- Management accounting
- Auditing and assurance
- Legal responsibilities of businesses.

canterbury.ac.nz/courses

Career opportunities

This subject covers a wide range of accounting topics in a number of different contexts, providing a solid foundation for a successful professional career in areas such as consulting, taxation, auditing, organisational control and management, investments, and financial management.

Some career pathways could include:

- Chartered Accountant
- Auditing and assurance
- Chief executive officer or financial controller
- Forensic accounting.

canterbury.ac.nz/careers/subjects

Study Accounting:

As a Major:

- Bachelor of Commerce

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Commerce

Aerospace Engineering

Aerospace engineering involves the design, development, testing, and production of aircraft, spacecraft, and related systems and equipment.

UC offers the only undergraduate Aerospace degree in Aotearoa, giving you early entry into the industry or towards advanced research.

What will my study involve?

- Practical courses, such as aerospace design, aerodynamics, and propulsion.
- Final-year projects sponsored by and in collaboration with industry, such as Rocket Lab, Air New Zealand, Kea Aerospace, and Dawn Aerospace.

- Join the growing aerospace industry in Aotearoa, with Ōtautahi Christchurch and UC as a central hub for research and innovation.
- Take part in the UC Aerospace club and build your own rockets on campus.

Courses

You will begin courses towards Aerospace Engineering from the third year of your Mechanical Engineering degree, which includes aircraft design and production.

Courses can include:

- Propulsion
- Aircraft structures
- Flight mechanics
- Computational Fluid Dynamics.

canterbury.ac.nz/courses

Career opportunities

Having a skillset in aerospace engineering will make you a great fit for a path in aviation, or you could go beyond our atmosphere and join the growing space industry.

Some career pathways could include:

- Rocketry design
- UAV design
- Avionics Engineering
- Defence Forces.

canterbury.ac.nz/careers/subjects

Study Aerospace Engineering:

As a Minor:

- Bachelor of Engineering with Honours

Ancient Greek

Studying Ancient Greek at UC will involve more than just the language; you will delve into Greek literature, history, politics, architecture, and philosophy.

Through your studies, you will be able to draw upon the past to better understand what’s going on in the world right now as you will discover that many modern concepts in our society like democracy, theatre, and psychology originated in Greece.

What will my study involve?

- In-depth learning of ancient Greek culture through various topics in the original language.
- You will have access to our Teece Museum of Classical Antiquities and gain practical insights.
- The Classical Association of Christchurch, run by the UC Classics Department, hosts guest speakers from all over the world at public lectures and events.
- Study courses at Te Matatiki Toi Ora | Arts Centre campus, with free transportation available between campuses.

Courses

Your first year involves learning beginner's Ancient Greek. Later you will read major texts of Greek epic poetry, drama, philosophy and more, under the guidance of research-active and internationally regarded staff.

Courses can include:

- Grammar and vocabulary
- Ancient Greek life and culture
- Ancient Greek literature
- Research projects.

canterbury.ac.nz/courses

Career opportunities

Through learning the language and analysing ancient Greek culture, you will gain skills like research, analysis, attention to detail, critical thinking, and communication.

Some career pathways could include:

- Museums and libraries
- Teaching and academia
- Art and language conservation
- Publishing.

canterbury.ac.nz/careers/subjects

Study Ancient Greek

- Certificate in Languages
- Diploma in Languages

Antarctic Studies

'Experience and understand the great frozen continent.'

Wills

[Bachelor of Science in Physics,](#)
[Postgraduate Certificate in Antarctic Studies](#)

Antarctica is the highest, coldest, and most isolated continent, so vast that it affects climate and ocean currents.

Explore its history, biodiversity, and role in the global climate crisis.

What will my study involve?

- Wide range of topics like arctic climate, marine ecology, biodiversity, hazards and disaster management.
- Learn how life – microbes, plants, animals, and humans – thrives in these extreme conditions.
- Gateway Antarctica, UC's on-campus research centre, plays a role in international research, engineering in extreme environments, and connections between Antarctica, Aotearoa, and global nations.
- During a Postgraduate Certificate in Antarctic Studies, you will get to do fieldwork at Scott Base and in Windless Bight in Antarctica.
- Include Antarctic Studies courses in any bachelor's degree at UC to examine critical, contemporary issues around climate change and politics.

Courses

Courses in this programme will introduce you to various aspects of Antarctica, from its extreme climate to the history of Antarctic exploration and beyond.

Courses can include:

- Weather and climate change
- Southern ocean exploration
- Antarctic biodiversity and ecosystem
- Social and political issues of the Antarctic continent.

canterbury.ac.nz/courses

Career opportunities

By learning about the Antarctic region, you will understand the impact Antarctica has and will continue to have on the world. You will be able to contribute to lots of unique areas like research, tourism,

education, conservation and sustainability, engineering, and more.

Some career pathways could include:

- Antarctic science (eg, glaciology, atmospheric, oceanography)
- Engineering and technical support
- Policy and law
- Science communications and education.

canterbury.ac.nz/careers/subjects

Study Antarctic Studies:

Cannot be studied as a major or minor, but you can take these courses as part of any degree.

Anthropology

'The vastness of the field of Anthropology makes it very easy to find something you love.'

Alex

[Bachelor of Arts with Honours in Anthropology,](#)
[Postgraduate Diploma in Health Sciences,](#)
[Master of Health Sciences with an endorsement in Health Information Systems](#)

Anthropology is a broad and exciting area of study for anyone of any age and background. If you're interested in the history of our existence, languages and cultures, identity, religion, and more, then Anthropology is for you.

At UC, you will learn about our collective history, and explore future issues like the evolving role of technology in our lives, power structures and systemic issues, and where our global culture might be heading.

What will my study involve?

- Study topics that challenge your current way of thinking and get you thinking deeply about the topic.
- Get involved on campus through clubs and advocacy.
- Combine your interests with other studies by adding Anthropology to many UC bachelor's degrees.

Courses

First-year courses will introduce you to examining cultures, Indigenous and otherwise, and how culture evolves over time due to political, economic, colonial, and social changes.

Courses can include:

- Human Evolution
- Witchcraft, Magic and The Dead
- Ethnicity, Racism and History
- Kinship and Family.

canterbury.ac.nz/courses

Career opportunities

You can tailor your studies in Anthropology to suit your job or career interests. The skills you learn through your studies — rational thinking, critical analysis, ethnography, cross-cultural communication, writing, and research — are transferable and can be used in other fields.

Some career pathways could include:

- Government and policy
- International relations and foreign affairs
- Media and public relations
- Social work.

canterbury.ac.nz/careers/subjects

Study Anthropology:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Applied Immersive Game Design

‘This degree provides a unique opportunity to learn in-depth knowledge not only on the technical skills that are required to build the future, but the business acumen to bring it to reality.’

David

Bachelor of Product Design In Applied Immersive Game Design

If you’re interested in making the next big entertainment game, learning about the latest immersive technologies, or even finding out how games can be used as a tool to solve real-world problems, consider studying this major — a combination of creativity, design, and business — as part of the Bachelor of Product Design.

You’ll learn about game design and development using the latest industry standard technologies and platforms, how to develop using immersive technologies such as AR/VR, and how to create games for a variety of purposes, including entertainment, education and training, medicine, and more.

What will my study involve?

- Creating games!
- Hands-on learning through individual and team-based projects.
- Access to fully equipped gaming facilities, with the latest generation consoles, high-end PCs, and cutting-edge AR/VR equipment.
- Business courses that will prepare you to join the game development industry, or start your own studio.

Courses

In your first year, you’ll learn computer programming and computer science, and develop your first playable game prototype.

From second year, you will be designing and testing further game prototypes on a range of game engines and hardware platforms.

Courses can include:

- Gaming design in context
- Immersive game design
- Interactive graphics and animation
- Game engines and artificial intelligence.

canterbury.ac.nz/courses

Career opportunities

Aotearoa houses more start-up developers per capita than any other country in the world, with the gaming industry continuing to grow rapidly.

Through this major, you will graduate with ‘all-round’ skills and a user-centred approach to game and software design.

Some career pathways could include:

- Video game designer/developer
- Game/film animator
- Visual effects/technical artist
- AR/VR engineer.

canterbury.ac.nz/careers/subjects

Study Applied Immersive Game Design:

As a Major:

- Bachelor of Product Design

Art History and Theory

‘Art History goes beyond studying a narrow band of visual culture — you get to explore topics like philosophy and aesthetics, history of science, advertising, and more.’

Bojana

Bachelor of Arts in Anthropology and Art History and Theory, Bachelor of Arts with Honours in Art History, Master of Arts in Art History

This subject traces history and culture using artefacts, architecture, photos, and more. Learn to find meaning through objects and see how these affect our experiences.

What will my study involve?

- Learn on campus and in the Arts Centre in the city centre.
- Get hands-on with our James Logie Memorial Collection of ancient artefacts in the Teece Museum in the city, and Aotearoa New Zealand’s cultural collections at Macmillan Brown Library on campus.
- Combine Art History and Theory studies with other subject interests like Classics, Anthropology, languages, and more.
- Internship courses where you can gain practical skills and build connections.

Courses

In your first year, you will cover topics in modern art by examining mediums like painting, photography, and film. You will also be introduced to architecture and objects in art history, and complete practical work with real artefacts.

Courses can include:

- Picasso who? Introducing Modern Art
- Art and Things
- Art and Revolution
- International Contemporary Art.

canterbury.ac.nz/courses

Career opportunities

Throughout your studies, you will be putting into practice skills like critical analysis, attention to detail, perspective, cultural awareness, and research.

By examining artworks, you will gain 'visual' literacy, a skill that's applicable to many areas and careers.

Some career pathways could include:

- Museum and gallery curatorship
- Heritage conservation
- Publishing
- Library science.

canterbury.ac.nz/careers/subjects

Study Art History and Theory:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Astronomy

'I would like to work as an astronomy researcher overseas in various observatories, in places such as America, Chile, Hawaii, and Europe.'

Rosemary
PhD in Astronomy

Astronomy is study of matter and radiation throughout all time and space. Astronomers use the latest technological advancements to do this, becoming one of the most rapidly expanding of all physical sciences.

What will my study involve?

- Some of the topics you will study include: planets, the evolution of stars, black holes, the structure and evolution of galaxies, and dark matter and dark energy.
- You will get the opportunity to observe at Ōtehiwai — University of Canterbury Mount John Observatory — the best optical astronomical research centre in Aotearoa.
- We are the only university to teach Astronomy at all levels of study in Aotearoa.

Courses

Good grades in physics and calculus are required for entry into this subject. However, we offer introductory courses for those who don't have a strong background from secondary school.

Our first-year courses give you a foundation in astronomy, physics, and maths. You will also learn programming basics throughout your study.

Courses can include:

- How the universe works — from planets to the universe as a whole
- Astrophysics and Dark Matter
- Electromagnetism and mechanics
- Cosmology and theories of the universe.

canterbury.ac.nz/courses

Career opportunities

If you're considering studying Astronomy and Astrophysics, you probably have a natural curiosity about how things work. An Astronomy degree could lead you towards being a part of the many exciting and unexpected discoveries we have yet to make about our universe.

Through your studies you will learn skills like computer modelling, data analysis, problem-solving, computer programming, and communication, which also opens up pathways beyond astronomy.

Some career pathways could include:

- Astronomer and other scientific fields (physicist, meteorologist, geophysicist)
- Technical writer
- Data analysis and information technology
- Science communication, teaching, and media.

canterbury.ac.nz/careers/subjects

Study Astronomy:

As a Major:

- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Science

Biochemistry

'UC has one of the best Schools of Biology in the country and combined with the location and my degree choice, it just made sense.'

Caleb
Bachelor of Science in Biochemistry

Biochemistry is the study of life at the cellular level, giving us insight into the history of all living species — animals, plants, bacteria, and viruses — and how they function.

Your knowledge of biochemistry can be applied in broad and diverse ways, such as developments in genetic engineering, conservation and restoration, biomedical science, and disease treatment.

What will my study involve?

- Hands-on learning through practical exercises and labs.
- There is exciting research happening at UC and you can learn from many of our experts through Te Pokapū Taunekeneke Rāpoi Ngota | Biomolecular Interaction Centre, with connections to other universities, industry, and international collaborators.
- You can also minor in biochemistry within many different bachelor's degrees to give your other studies a biological focus.

Courses

Good grades in chemistry are required for entry into this subject. However, we offer introductory chemistry courses for those who don't have a strong background from secondary school.

Biochemistry courses introduce you to areas like cellular biology, ecology, and chemistry.

Courses can include:

- Molecular biology
- Protein science and chemistry
- Biochemistry pathology (eg, cancer, heart disease)
- Metabolism.

canterbury.ac.nz/courses

Career opportunities

Biochemistry is an ever-evolving area of study and you will be prepared for many opportunities like research, working in the industry, international opportunities, or further specialisation.

Your contribution to the field can help address challenges and advance many areas of life.

Some career pathways could include:

- Nutrition
- Medical diagnostics and drug testing
- Agriculture
- Biotechnology design.

canterbury.ac.nz/careers/subjects

Study Biochemistry:

As a Major:

- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Science

Bioinformatics

Bioinformatics collects, stores, and analyses biological data for disease diagnosis, cellular evolution and mutation, medicine development, and many other applications. This study will give you practical experience in real industry research outcomes.

What will my study involve?

- Study breakthrough science in genetics and learn how data is used to improve lives.
- Use computer and molecular genetics labs on campus, which includes the Canterbury Sequencing Facility and the Ancient DNA Laboratory.
- UC has research centres that specialise in bioinformatics, with experts making breakthroughs in breast cancer detection and stroke risk research.

Courses

Courses begin with the basics of cellular biology, evolution, ecology, and conservation biology, before going onto advanced programming and modelling of large-scale data.

Courses can include:

- Genome sequencing
- Evolution
- Data analysis and programming
- Ethics and legal use of biological data.

canterbury.ac.nz/courses

Career opportunities

A Bioinformatics degree gives you an understanding of genomics and molecular biology, combined with skills in statistics, computer programming, and applying data to research outcomes. This skillset will prepare you for many roles processing large amounts of data for medical needs, or even in developing new technologies in the field.

Some career pathways could include:

- Drug and medicine development
- Clinical health testing
- Forensics
- Conservation.

canterbury.ac.nz/careers/subjects

Study Bioinformatics:

As a Major:

- Bachelor of Data Science

Biological Sciences

'If you look around you, there's a lot of exciting and innovative research that's being carried out all the time at UC.'

Roseanna

Bachelor of Science in Biological Sciences and Geology, Bachelor of Science with Honours in Ecology

Biology means the study of living things, from animals to plants to microbes. It covers a huge range of scales from molecules and cells to organisms, populations, and ecosystems. We need to know how the living world interacts with the environment, to better understand and prepare for the future.

What will my study involve?

- Lab work to examine cell biology, biodiversity, microorganisms, and more.
- We have the most extensive network of field stations of any university in Aotearoa. You get to explore Te Waipounamu South Island to enhance your practical field skills.
- You can narrow down your interests as you progress in your studies.
- Our Biological Sciences major has been accredited by the Royal Society of Biology (RSB), the first in Aotearoa to be internationally recognised in this way.

This means that when you graduate you will be equipped with well-rounded knowledge and skills, making you highly employable both within and beyond your chosen field.

Courses

First-year courses introduce you to the foundations of cell structure, evolution, and statistics.

Courses can include:

- Marine biology
- Protein science
- Biochemistry behind diseases like cancer
- Ecology and conservation.

canterbury.ac.nz/courses

Career opportunities

A Biological Sciences degree indicates you have the ability to access, understand, analyse, investigate, and communicate complex information. You can develop further technical knowledge in areas that interest you like biosecurity, marine biology, evolutionary ecology, soil restoration, and biotechnology.

Some career pathways could include:

- Forensics
- Primary industries
- Ecology
- Pharmaceutical and governmental industries.

canterbury.ac.nz/careers/subjects

Study Biological Sciences:

As a Major:

- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Science

Biomedical Engineering

Biomedical Engineering involves designing and creating medical and healthcare technology. This is a priority industry, as there is a growing need for engineering solutions that restore function and aid in diagnosis, monitoring, rehabilitation, and delivery of care.

What will my study involve?

- Study design, repair, maintenance, and implementation of new medical technologies.
- Practical courses using lab equipment, from human performance monitors to motion capture software.
- Internship and research project opportunities at hospitals and clinics both locally and overseas.

Courses

In your courses, you will get to work on designing and testing new medical equipment such as prosthetics, implants, monitors, scanners, and assistive technologies. Your Biomedical Engineering courses begin in the second year.

Courses can include:

- Biomechanics and usability
- Prototyping and testing
- Bioethics and medical compliance
- Intellectual Property (IP) and patents.

canterbury.ac.nz/courses

Career opportunities

With your practical skills and experiences working on a variety of medical devices, you will be able to help with global health challenges, for example our increasingly aging population, healthcare in the developing world, and a rise in illnesses from sedentary lifestyles.

Some career pathways could include:

- Healthcare services
- Product design and manufacturing of medical devices
- Quality Assurance (QA) testing and medical regulatory compliance
- Medical equipment maintenance.

canterbury.ac.nz/careers/subjects

Study Biomedical Engineering:

As a Minor:

- Bachelor of Engineering with Honours

Bioprocess Engineering

Bioprocess Engineering uses biology to create sustainable and effective manufacturing processes, and for the design of products like foods, vaccines, and cleaning products.

This is the perfect option if you have an interest in biochemistry, microbiology, or molecular biology, and want to add a biological focus to your engineering degree.

What will my study involve?

- Practical lab work learning how bacteria and algae can be used for the creation of new products and the treatment of waste.
- Applied learning with individual and group design and research projects.
- Access to bioprocessing technology experts.

canterbury.ac.nz/courses

Courses

This minor is available alongside the Bachelor of Engineering with Honours in Chemical and Process Engineering and will introduce you to biology, bioprocessing, and biotechnology. Your Bioprocess Engineering courses begin in the second year.

Courses can include:

- Metabolism and metabolic engineering
- Genetic engineering
- Bioseparation processes
- Environmental and community impacts.

Career opportunities

There is an increasing demand for engineers with knowledge of biological sciences who can apply this to industrial processes.

Some career pathways could include:

- Pharmaceuticals
- Biofuels

- Biological waste treatment
- Biodegradable materials.

canterbury.ac.nz/courses

Study Bioprocess Engineering:

As a Minor:

- Bachelor of Engineering with Honours

Business Analytics

Business Analytics brings in data from areas such as accounting, marketing, and economics to help make better business decisions, improve customer services, and implement growth strategies using tools like machine learning.

What will my study involve?

- Use data to recognise and plan future developments, and identify new opportunities in business.
- Flexible study so you can focus on your interests such as accounting, marketing, economics, and software programming.
- Include Business Analytics as a minor in a wide range of degrees for a data-informed career.

Courses

First-year courses will introduce you to collecting and reading data. Later courses will allow you to focus on a particular area of data such as finances, business economics, and information systems.

Courses can include:

- Managing large sets of data
- Information software and new technologies
- Marketing and recognising customer trends
- Ethics of gathering data.

canterbury.ac.nz/courses

Career opportunities

All areas of industry are run by data, and having the skills to analyse and interpret data will make you an important part of growing businesses and keeping our world more informed. Data scientists are in demand as it is an area that faces significant skills shortages globally.

Some career pathways could include:

- Business analyst
- Marketer
- Strategic consultant
- Data scientist.

canterbury.ac.nz/careers/subjects

Study Business Analytics:

As a Major:

- Bachelor of Data Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Business and Sustainability

‘The lecturers have a huge level of experience and knowledge and really go the extra mile.’

Rosa

Bachelor of Commerce in Human Resource Management with a minor in Business and Sustainability, Bachelor of Arts in English and Psychology

Today’s businesses recognise that customers are choosing suppliers with environmental and cultural values similar to their own. Sustainability remains an important issue as more and more people are holding businesses accountable with their impact on the environment and climate change.

The link between business and sustainability involves improving processes from manufacture to end user, so that we are minimising waste and impact, and rethinking business strategies to take care of the world we live in. This includes looking after communities, individuals, and the planet.

What will my study involve?

- Learn various business approaches to addressing environmental and social challenges through interactive lessons and case studies.
- Explore corporate performance from ethical, global, and multicultural perspectives.
- Customise your degree with a business focus by including this minor in a wide range of bachelor’s degrees.

Courses

Business and Sustainability includes courses from a variety of subjects to build your management and problem-solving skills, and explore the current obstacles faced by industry.

Courses can include:

- Environmental economics
- Sustainable tourism
- New sustainable technologies
- Corporate social responsibility.

canterbury.ac.nz/courses

Career opportunities

By studying this subject, you will be able to look at business processes from many angles with the goal of saving the environment, building sustainable relationships with stakeholders, and cost-cutting while helping businesses grow.

Some career pathways could include:

- Operations and Supply Chain Management
- Business Management
- Entrepreneurship
- Advisory and consulting.

canterbury.ac.nz/careers/subjects

Study Business and Sustainability:

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Chemical and Process Engineering

‘Throughout the course of my undergraduate studies I learned a lot about how process engineering is involved in the field of combating pollution and renewable energies, and decided I wanted to be involved.’

Ben

Bachelor of Engineering with Honours in Chemical and Process Engineering with a minor in Energy Processing Technologies, Master of Engineering in Chemical and Process Engineering

Chemical and Process Engineering is about turning raw materials into marketable products in order to tackle issues facing the world today – from supplying clean drinking water and creating a sustainable food supply, through to improving society’s health and wellbeing, and producing pharmaceuticals.

What will my study involve?

- Learn physical, chemical, and biological processes in the lab, plus how to use them on a commercial scale.
- Hands-on learning through simulation software, lab experiments, workshop training, and industrial visits.
- Complete individual and group projects.
- Opportunity to add a minor in Bioprocess Engineering, Environmental Process Engineering, or Energy Processing Technologies.

Courses

First-year courses will introduce you to chemical principles and processes, engineering maths, and physics. Your Chemical and Process Engineering courses begin in the second year.

Courses can include:

- Renewable energy and technologies
- Biology for engineers
- Fluid mechanics
- Chemistry for engineers.

canterbury.ac.nz/courses

Career opportunities

Some career pathways could include:

- Renewable and sustainable energy
- Food production
- Pharmaceuticals
- Recycling and waste treatment.

canterbury.ac.nz/careers/subjects

Study Chemical and Process Engineering:

As a Major:

- Bachelor of Engineering with Honours

Chemical Formulation Design

Chemical Formulation Design is one of three majors in the Bachelor of Product Design combining product innovation with design, science, engineering, and business skills.

This subject focuses on formulated products like pharmaceutical, agrochemical, personal care, and rongoā. You will analyse materials, focus on sustainable production, and test processes like quality and safety.

What will my study involve?

- Apply your learning through team-based projects and entrepreneurship courses, and use dedicated product innovation spaces.
- Think about ways to incorporate tangata whenua in the product design process.
- Create prototypes and learn how to pitch your product.

Courses

In your first year, you will take introductory courses in chemical principles and processes, and learn the science behind formulating products.

Courses can include:

- Natural products and properties
- Principles of formulated product design
- Packaging design
- Consumer behaviour and marketing strategies.

canterbury.ac.nz/courses

Career opportunities

This subject will help you understand the complete chemical product design process – from idea generation to commercialisation. Other skills you will gain include prototyping, methods of analysis, regulatory requirements, commercial production, testing, and economics.

As a result of this degree, you will be ready to work in the industry or start your own business.

Some career pathways could include:

- Formulation scientist
- Quality manager
- Marketing and sales manager
- Entrepreneur.

canterbury.ac.nz/careers/subjects

Study Chemical Formulation Design:

As a Major:

- Bachelor of Product Design

Chemistry

‘Chemistry is cross-linked with both biology and physics, so you get a great taste for all three sciences in the one major.’

Olivia

Bachelor of Science in Chemistry, Postgraduate Certificate in Business

Chemistry deals with the composition, structure, and behaviour of atoms and molecules that make up all forms of matter. Understanding the world at an atomic level is important to seeing how things are interconnected and work together.

What will my study involve?

- Apply your learning in the lab and research projects in diverse areas of chemistry – physical, biological, environmental, theoretical, and more.
- Study Chemistry as a minor within many bachelor’s degree options to add a scientific background to your other subjects.

Courses

Good grades in high school chemistry are required for entry into this subject. However, we offer introductory chemistry courses for those who don't have a strong background from secondary school.

The first year is broad and you will be able to take lots of introductory Chemistry and other science papers and labs to get you started.

As you progress, you will get to explore and experiment with different branches of advanced chemistry, such as electrochemistry (energy), thermodynamics (heat and radiation), and photochemistry (light).

Courses can include:

- Laboratory skills
- Organic and inorganic chemistry
- Nanotechnology and other new chemical products
- Medicinal chemistry.

canterbury.ac.nz/courses

Career opportunities

There are new and exciting discoveries happening every day in the field of chemistry, and your studies will prepare you to solve global challenges like energy, food supply, health, and environmental change.

Some career pathways could include:

- Toxicology and forensics
- Product development
- Pharmaceuticals
- Food science.

canterbury.ac.nz/careers/subjects

Study Chemistry:

As a Major:

- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Science

Chinese

'UC's focus on shaping its graduates to be more bicultural and globally aware was a big drawcard for me to come here.'

Sam

Bachelor of Commerce in International Business, Bachelor of Arts in Chinese and Political Science and International Relations

China is one of the world's oldest civilisations, with Mandarin Chinese spoken by more than half the world's population. Studying Chinese gives you access to this economic power, with huge international influence and ever-growing relations with Aotearoa.

What will my study involve?

- Learn modern standard Chinese, both spoken and written.
- Experience Chinese society, including literature, cinema, technology, and modern culture.
- UC's Confucius Institute, in collaboration with Huazhong University of Science and Technology, has opportunities to practise Chinese language and experience the culture on campus.
- Exchange opportunities with China, including business tours and language immersion with Chinese universities.

Courses

No previous knowledge of the Chinese language is required to study this subject at UC. Besides spoken and written Chinese language, other courses explore Chinese history, society, and achievements that have influenced the world.

Courses can include:

- Traditional and contemporary culture
- Chinese cinema
- Global politics and international relations
- Economy and trade.

canterbury.ac.nz/courses

Career opportunities

Learning Chinese will open up work both in Aotearoa and overseas, including exchange opportunities while you're studying. There are lots of ways to strengthen your cross-cultural communication and awareness at UC.

Some career pathways could include:

- Interpreting and translation
- Tourism and travel agencies
- Business and trade relations
- Immigration.

canterbury.ac.nz/careers/subjects

Study Chinese

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Languages
- Diploma in Languages

Cinema Studies

'An Arts degree teaches you lifelong transferable skills that make you dynamic enough for ANY career.'

Jessica

Bachelor of Arts in History and Cinema Studies

Film is a unique medium, in that there are so many ways to tell stories. The cultural impact and influence of cinema over the years has been huge.

This subject will introduce you to the tools and techniques used in film creation. In your classes, you will analyse the structure, cinematic style, and storytelling of films from diverse genres through the lens of theory, history, and culture.

What will my study involve?

- From the silent era of film to modern day – explore the evolution of movies and filmmaking.

- Other topics include analysis of scenes, screenwriting, exploration of Māori identity, storytelling for children, and the French New Wave.
- You can minor in Cinema Studies in many UC bachelor's degrees.

Courses

Besides film theory and history, in your first year you will analyse 12 films from 12 countries in 12 weeks as part of our 'Backpacker's Guide to World Cinema' course. In later years, you'll explore particular cultural adaptations, genres, and styles of interest.

Courses can include:

- Backpacker's Guide to World Cinema
- The Oscar for Best Picture
- Coming of Age in Global Cinema
- European Novels and Film Adaptions.

canterbury.ac.nz/courses

Career opportunities

You will learn the art of critical analysis for themes, theories, and technical aspects of filmmaking. Film is a broad medium, meaning there are heaps of opportunities from writing and production to business and marketing in the industry.

Some career pathways could include:

- Filmmaking
- Film reviewing
- Marketing and public relations
- Event management.

canterbury.ac.nz/careers/subjects

Study Cinema Studies:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Civil Engineering

'Many of the skills you learn through a Civil Engineering degree at UC can be used to solve a range of problems — I think that's pretty valuable going forward into the workforce or further study.'

Will

Bachelor of Engineering with Honours in Civil Engineering

Civil Engineering is all about the infrastructure you see around you — buildings, roads, water supply, and transport, to name a few. As a civil engineer, you will learn how to strengthen the design of structures to withstand 21st century challenges, such as sustainability and climate change, as well as natural disasters like earthquakes and floods.

What will my study involve?

- Learn practical skills through projects, field work, lab courses, and collaborative competitions like bridge building.
- Use bespoke design software and engineering platforms.
- Work experience as well as a research project.
- Minor in either Structural Engineering or Water and Environmental Systems Engineering.

Courses

In addition to compulsory introductory courses, you will be studying engineering structures and chemical processes in your first year.

Courses can include:

- Transportation systems
- Structural engineering
- Geotechnical engineering
- Resilient and sustainable design.

canterbury.ac.nz/courses

Career opportunities

You will learn skills in practical design, analysis, and presenting your solutions. Throughout your studies, you will work in teams, and learn to solve problems and manage projects.

There are a variety of roles in the civil engineering field that you can work in,

such as wood, fire, water, geotechnical engineering, and more.

Some career pathways could include:

- Consulting or contracting
- Local, regional, and central government
- Project management
- Iwi development.

canterbury.ac.nz/careers/subjects

Study Civil Engineering:

- Bachelor of Engineering with Honours

Classics

'I became more and more intrigued about what the ancient world could teach us in the 21st century.'

Natalie

Bachelor of Arts in Classics with a minor in English, Bachelor of Arts with Honours in Classics

Studying the ancient cultures of Greece and Rome shows us how our modern world formed. Everything from western politics to philosophy, science to architecture, language to storytelling and more had their origins in these great civilisations, and there are even connections we can make to current events today that have been experienced in the past.

At UC, you will be able to customise your Classics studies to different topics that interest you, such as art and architecture, politics, drama and written works, ancient language, and even sociology and daily life of the people.

What will my study involve?

- You will get hands-on experience with real ancient artefacts through UC's Teece Museum of Classical Antiquities, based at Te Matatiki Toi Ora | Arts Centre, with a collection spanning more than 2,500 years from about 2,000 BCE.
- Courses include areas such as history, slavery, sex and gender, warfare, art and architecture, political leaders, ancient literature, philosophy, and more.
- Study courses at Te Matatiki Toi Ora | Arts Centre campus, with free transportation available between campuses.

- Option in your final year to take an internship, with past projects including museum and art curatorship work, events management, social media, and research of artefacts.

Courses

All our first year courses are designed to introduce a variety of aspects of the ancient world.

Courses can include:

- Greek and Roman mythologies
- Greek and Roman History
- Beginners Greek and Latin
- Social and political systems.

canterbury.ac.nz/courses

Career opportunities

Seeing the entire history of the Ancient Greek and Roman civilisations teaches you a lot about how to analyse events and history, how to understand other cultures and viewpoints, and how society and politics develop and work, especially towards world relations and current affairs.

Some career pathways could include:

- Museum curatorship
- Political relations, foreign affairs, policy
- Conservation and archaeology
- Communications.

canterbury.ac.nz/careers/subjects

Study Classics:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Communication Strategy and Practice

‘I love being able to explore and learn more about the fast-growing platform that media is.’

Fiorella

Bachelor of Communication in Communication Strategy and Practice

Communication is an essential part of any organisation and like any other process requires a strategic plan. This involves knowing who your audience is, what you want to say, how you want to say it, and continuing to maintain and develop relationships.

Through your study you will learn how to plan and manage campaigns using a mix of theory, technology, and case studies.

What will my study involve?

- Learn how to produce content for social media, websites, brochures, apps, and other platforms.
- Gain skills in crisis communications and reputation management.
- Participate in real-world projects in your final year through an internship or industry campaign.
- Take optional courses to complement your communication studies like Advertising, Entrepreneurship, Linguistics, Politics, and more.

Courses

First-year courses are introductory and will help you develop a broad skillset in media content production, planning, and research. From your second year onwards, you will be able to focus on strategic communications, managing media campaigns, and public response.

Courses can include:

- Advertising and Cultural Consumption
- Consumer Behaviour
- Risk and Crisis Communication
- Strategic Campaign Development.

canterbury.ac.nz/courses

Career opportunities

Through this major, you'll learn how to balance strategic thinking, the needs of your stakeholders, and being creative. Your experience using various media platforms will make you adaptable to different communications needs and new media technologies.

Some career pathways could include:

- Stakeholder engagement
- Public relations
- Marketing and advertising
- Writing, editing, publishing.

canterbury.ac.nz/careers/subjects

Study Communication Strategy and Practice:

As a Major:

- Bachelor of Communication

Communications and Network Engineering

Communications and Network Engineering is about planning, designing, and building computer networks, and the sharing of data between communication devices such as internet and mobile.

You will gain specific knowledge of how the internet and telecommunications systems work, how to create and maintain networking connections, and how to create new smart devices.

What will my study involve?

- Learn about internet design, networking applications, and new telecommunication technologies.
- Practical project work in simulated network environments.
- Final-year project, often sponsored by industry, so you can gain experience optimising communications infrastructure around Aotearoa, with a large number of networking providers based in Ōtautahi Christchurch.

Courses

This minor is available alongside the Bachelor of Engineering with Honours in Computer Engineering. Get an introduction to computers and networks before learning more advanced details of telecommunications engineering, from cellular towers to apps to satellites.

Courses can include:

- Mobile, wireless, and Ethernet/LAN networks
- Communication engineering and network performance
- Signal processing for communications
- Internet of Things.

canterbury.ac.nz/courses

Career opportunities

Computer network expertise is highly valued in the technological industry. There is an increasing need for online communications globally which means there are a lot of career opportunities in this field, with new roles being created constantly.

Some career pathways could include:

- Communication and networking equipment development
- Smart devices design
- Networking infrastructure planning
- Mobile and cellular engineering.

canterbury.ac.nz/careers/subjects

Study Communications and Network Engineering:

As a Minor:

- Bachelor of Engineering with Honours

Composition

Composition is the creation of new music. Enjoy learning from a diverse range of musical styles, from contemporary music to pop and everything in between. You could compose pieces for orchestras, create film or video game soundtracks, write lyrics, arrange electronic soundscape compositions, or produce your next EDM hit.

What will my study involve?

- Study a broad range of courses with opportunities to engage with music technologies, notated composition, song writing, recording techniques, computer music, and collaborative projects.
- Create your own music in genres and musical cultures of your choice.
- Opportunity to take part in performances and collaborative projects.

Courses

Courses in this major will introduce you to a range of music composition skills and techniques including creating lyrics and melodies, and approaches to structure.

Courses can include:

- Current trends in composition
- Techniques of songwriting
- Orchestration and arranging
- Composition studio.

canterbury.ac.nz/courses

Career opportunities

Composition studies will give you significant hands-on experience writing music for instruments, voice, computers, and working with performers and improvisors.

Some career pathways could include:

- Sound design
- Film composition
- Song writing
- Recording.

canterbury.ac.nz/careers/subjects

Study Composition:

As a Major:

- Bachelor of Music

Computational Linguistics

Computational Linguistics combines linguistics, engineering, and science to evolve the way we use machines. It involves learning how to programme computers to analyse, synthesise, and understand spoken or written language. Your studies will give you skills in computer modelling, speech processing, and machine learning allowing you to digitise language and evolve our interactions with machines.

What will my study involve?

- Learn from experts from a range of UC research centres.
- Practical learning using computer and software labs, human-computer interaction spaces and equipment.

Courses

Your first-year courses will introduce you to concepts in data science, programming, linguistics, and how computers and humans “talk” to each other. You will learn to find structures and meaning encoded in language.

Courses can include:

- Artificial intelligence
- Text processing
- Digital media
- Chatterbots and robot assistants.

canterbury.ac.nz/courses

Career opportunities

The applications of computational linguistics are vast — from voice recognition tools, live translation devices, search engines, and many other technologies where humans and machines interact.

Some career pathways could include:

- Technology research and development
- Data analysis
- Software programming
- Artificial Intelligence engineering.

canterbury.ac.nz/careers/subjects

Study Computational Linguistics:

As a Major:

- Bachelor of Data Science

Computer Engineering

‘If you want to be someone that contributes to the innovation of technology in the future, UC Engineering is a good platform for you to develop all the necessary skills.’

Sasha

Bachelor of Engineering with Honours in Computer Engineering, Master of Science in Computer Science

Computer Engineering combines circuit theory and digital electronics with programming, systems, networking, and machine learning, with an emphasis on solving problems using digital hardware and embedded software.

Studying this subject will give you the technical knowledge to create smart embedded electronic devices, such as portable electronics, biomedical devices, and high-performance super computers.

What will my study involve?

- Learn how to design, build, and test embedded computer systems.
- A final year research project, often sponsored by industry.
- You can minor in Communications and Network Engineering if you're interested in telecommunications systems.

Courses

First-year engineering courses are broad and meant to introduce you to the fundamentals including maths, programming, and physics.

Courses can include:

- Electrical and computer engineering design
- Digital electronics and devices
- Embedded systems and software engineering
- Human-Computer interaction.

canterbury.ac.nz/courses

Career opportunities

Ōtautahi Christchurch has a rapidly growing ICT industry that is always looking for UC Computer Engineering graduates. Through your studies, you will gain skills like problem-solving, creative thinking,

research and analysis, testing quality and functionality, programming, and communication.

Some career pathways could include:

- Computer engineer
- Systems engineer
- Network analyst
- Software engineer.

canterbury.ac.nz/careers/subjects

Study Computer Engineering:

- Bachelor of Engineering with Honours

Computer Science

‘The fact that the Computer Science department has you developing software in teams for a real-world client from day one is great for the skills and experience you gain.’

Joey

Bachelor of Science with Honours in Computer Science

Computer Science is not only about programming or coding, but has many aspects such as human-computer interaction (including virtual and augmented reality), artificial intelligence, cybersecurity, data science, cloud computing, and computer graphics.

The potential of this field to solve problems and make improvements in our lives is limitless. Computer Science is present in everyday life – in Google searches, driving your car, disease detection, or surveying drones to name a few.

What will my study involve?

- An opportunity to study Computer Science alongside other subjects that you are interested in, like Psychology, Economics, and more.
- Work experience opportunities through internships and industry projects.
- Computer Science is a flexible subject that you can major or minor in within many degree options.

Courses

First-year courses introduce you to topics such as programming, mathematics, and digital systems. Further study will go in-depth with courses that interest you.

Courses can include:

- Artificial Intelligence and machine learning
- Operating and embedded systems
- Cloud computing and data science
- Computer networks and cybersecurity.

canterbury.ac.nz/courses

Career opportunities

The skills you will gain from your studies include technical knowledge in computer science, problem-solving, logical thinking, creativity, teamwork, and communication.

These skills will lead into many industries like agriculture, health, finance, education, and more. Due to the advancing field of Computer Science, you will be able to work anywhere in Aotearoa or overseas.

Some career pathways could include:

- Software, web, mobile, and game development
- IT consulting
- Cybersecurity
- Telecommunications.

canterbury.ac.nz/careers/subjects

Study Computer Science:

As a Major:

- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Commerce
- Certificate in Science

Creative Industries and Contemporary Practice

This specialisation is for those who want to be a part of the creative industry at large by combining artistic and business skills.

Study at least two areas of the creative arts of your choice (music & audio; film and media; art; and creative writing) through applied learning and theory.

What will my study involve?

- Study key industry skills like management, marketing, and communication.
- Choose your courses based on the creative industries you want to work in — Music, Arts, Writing, Screen/Media.
- Create practical projects and choose between a final-year internship or podcasting experience.

Courses

Courses are designed to give you a range of experiences and to develop industry knowledge. Each year you will choose courses from different creative pathways.

Courses can include:

- Visual content design
- Producing music
- Social media marketing
- Screen writing.

canterbury.ac.nz/courses

Career opportunities

This degree can lead to a range of careers in the arts industry, such as producing, writing, management, and communications. Your study experiences will give you the knowledge to work in many areas.

Some career pathways could include:

- Campaign and event management
- Editing and publishing
- Professional art
- Media production.

canterbury.ac.nz/careers/subjects

Study Creative Industries and Contemporary Practice:

As a Specialisation:

- Bachelor of Arts

Creative Music Technology

UC's Creative Music Technology major is all about creating music using a variety of digital and studio-based music technologies.

Study acoustics, studio technologies, the latest trends and techniques in digital music making, and learn how to apply these in a creative context.

What will my study involve?

- Study any style or genre of music: whether you are an aspiring composer of electronic music, a beatmaker, a sound designer, a foley artist, a producer, or interested in digital music making.
- Use UC's on-campus recording studio with the latest software and audio devices.
- Work alongside other students on creating or recording music, radio, and podcasts.
- Complete an internship or collaborative project in the industry in your final year.

Courses

This major is open to any level of music, whether you already have some experience or you are brand new to music technologies and production.

Courses can include:

- Studio and field recording
- Composing digital music
- Editing and mixing software
- Sound sampling.

canterbury.ac.nz/courses

Career opportunities

By understanding how technology is constantly changing and impacting the way music is created, and learning about the wider role music technology has in the music industry, you will be ready for a career in today's music technology industry.

Some career pathways could include:

- Music creation for games and studio productions
- Sound design
- Sound artist
- Creative coding.

canterbury.ac.nz/careers/subjects

Study Creative Music Technology:

As a Major:

- Bachelor of Music

Criminal Justice

'My degrees have put me in the best possible place to positively impact this system.'

Charlie

Bachelor of Criminal Justice,
Master of Criminal Justice

Criminal Justice involves understanding the law and psychology behind crime, its causes, and the treatment of convicted offenders.

UC is the only university in Aotearoa that offers you a degree in criminal justice with innovative practical teaching. UC also shares close links with the police and justice sector.

What will my study involve?

- Learn about the justice system including social and human services, and psychology.
- Examine current policies and identify opportunities for criminal justice reform.
- Take optional courses in topics such as forensic science, linguistics, and financial crime.

Courses

First-year criminal justice courses teach you about legal and social issues in Aotearoa, and introduce you to psychology and the neuroscience of why people commit crimes. In the later years of the degree, you will be able to critically examine our legal systems and the current effectiveness of preventing and prosecuting crimes.

Courses can include:

- Youth justice
- Te Tiriti o Waitangi
- Violence in society
- History of gangs in Aotearoa.

canterbury.ac.nz/courses

Career opportunities

You will be able to look at criminal justice through a wide lens, giving you a strong foundation in understanding how Criminal Justice in society works in Aotearoa and internationally. You will also gain research skills in your area of interest in policing and the justice system.

Some career pathways could include:

- Government including prisons, probation, and parole
- Forensics
- Criminal justice policy and reform
- Public and private investigation.

canterbury.ac.nz/careers/subjects

Study Criminal Justice:

- Bachelor of Criminal Justice
- Certificate in Criminal Justice

Cultural Heritage

If you're interested in galleries, libraries, archives, and museums, then this specialisation is for you. You'll explore culture through objects, ranging from contemporary art to archaeological remains to the built environment.

You'll be able to look critically at our cultural heritage in Aotearoa, and apply these skills to international contexts.

What will my study involve?

- Study a range of cultures across the globe through different time periods.
- Courses can include areas such as history, art, warfare, language, religion, and more.
- Benefit from connections with local museums, art galleries, heritage archives, and libraries around Ōtautahi Christchurch, including internships.
- Practical experience with artefacts dated from 2,000 BCE with the Teece Museum of Classical Antiquities, located at Te Matatiki Toi Ora | Arts Centre.

Courses

Each year you will select courses depending on your interests in a particular culture, historical period, and society. In the final year, you will choose between practical heritage courses and an internship focused on your chosen areas.

Courses can include:

- Revolution and change
- Māori history
- Archaeology
- Shaping culture through art.

canterbury.ac.nz/courses

Career opportunities

A degree examining cultural heritage teaches you how history and culture has shaped everything we create. It prepares you for working with a variety of cultures, educational institutions, heritage conservation, or any sector which requires a high degree of multicultural competency.

Some career pathways could include:

- Iwi engagement and development
- Curatorship
- Communications
- Art history.

canterbury.ac.nz/careers/subjects

Study Cultural Heritage:

As a Specialisation:

- Bachelor of Arts

Cultural Studies

'I love the fact that this unique Cultural Studies programme allows study into so many areas of the humanities.'

Polly
Bachelor of Arts in Cultural Studies,
and English

In Cultural Studies, you'll analyse film, social media, graphic novels, art, fashion, sport, everyday activities, and many more, with the aim of understanding how complex our culture is and how it shapes our identity.

This subject — like culture — is highly flexible; you can construct your own degree and choose to dive into what interests you the most.

What will my study involve?

- Create your own pathway of study, which might emphasise popular culture and media, gender and sexuality, human-animal studies, or culture in Aotearoa.
- You can combine wide-ranging topics like cinema studies, digital humanities and online cultures, sociology, Māori and Indigenous studies, and more.
- You will be exposed to a range of theories, worldviews, and cultural texts and debates.
- Adding a minor in Cultural Studies with another degree will expand your perspective on culture and identity in your other studies.

Courses

These courses train you to create and apply digital solutions for industry, and explore how our reliance on technology has changed our collective culture.

Courses can include:

- Political and cultural activism
- Sexuality and gender identity
- Media and film
- Colonisation and Indigenous cultures.

canterbury.ac.nz/courses

Career opportunities

From the careful consideration of different aspects of culture, you will be able to develop a broad skillset including critical thinking, analysis, communication, writing, and research.

Your study can be applied to a variety of fields working with and for others, making it easy for you to move in the job market.

Some career pathways could include:

- Arts management
- Journalism, editing, and publishing
- Public relations and advocacy
- Campaign management.

canterbury.ac.nz/careers/subjects

Study Cultural Studies:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Data Science

“The demand for data scientists is extremely high as the data in our world continues growing.”

Sy
Master of Applied Data Science

Data Science is an emerging field that combines Computer Science, Mathematics, and Statistics with other disciplines. It involves understanding and analysing data to visualise, communicate, and understand data to make the best possible decisions.

What will my study involve?

- Investigate the many sources and applications of data in healthcare, business, transport, economics, etc.
- Get hands-on in the field in connection with UC's various research centres.
- Project work in your final year where you will be applying data science in the workplace.

Courses

You will study foundational courses in data science, computer programming, computer science, and examine how 21st-century Aotearoa and global society interact with data systems.

Courses can include:

- Data models and database systems
- Data wrangling and applications

- Big data and data mining
- Data security and ethics.

canterbury.ac.nz/courses

Career opportunities

With such a wide range of industry applications, Data Science has been identified as one of the most essential and employable skills of the 21st century.

Some career pathways could include:

- Data scientist
- Business and technology analyst
- Data visualisation consultant
- Insights consultant.

canterbury.ac.nz/careers/subjects

Study Data Science:

As a Major:

- Bachelor of Data Science

Other pathways:

- Certificate in Science

Digital Humanities

Digital Humanities explores our digital technologies and their effect on our new ways of thinking, living, and working.

UC is the only university in Aotearoa where you can study this subject and learn to apply digital tools and methods.

What will my study involve?

- Learn about new technologies such as web analytics, social media platforms, digital music, robotics, virtual reality.
- Complete practical projects, training, and internships with Te Pokapū Aronui ā-Matihiko | UC Arts Digital Lab.
- Can be studied as a minor in other bachelor's degrees.

Courses

These courses train you to create and apply digital solutions for industry, and explore how our reliance on technology has changed our collective culture.

Courses can include:

- Working In a Digital World
- Statistics
- Music Technologies

- Cyberspace, Cyborgs and the Meaning of Life.

canterbury.ac.nz/courses

Career opportunities

This study will make you highly adaptable to learning, training, and advising on new digital trends. Any industry from creative media, cultural heritage, business, policy, and more will benefit from your technical and analytical skills.

Some career pathways could include:

- Business technology consultancy
- Social media marketing
- Web data analysis
- Digital content creation.

canterbury.ac.nz/careers/subjects

Study Digital Humanities:

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Early Childhood Teacher Education

A child's early years have a significant impact on their lifelong development. As an early childhood teacher, you will provide experiences that lay the foundations for later learning with the help of whānau and the community.

What will my study involve?

- Gain skills supporting child development and growing their love for learning.
- Placements in early childhood centres and kindergartens to experience working with and teaching many young children.
- Opportunities for international teaching and multicultural learning experiences, with placements at early childhood centres around the Pacific and in Asia.

Courses

Our Early Childhood qualifications have three components:

Education

Discover the aim and purpose of teaching and learning, child development, assessment, the Aotearoa New Zealand education system, socio-political and cultural contexts, communication skills, information skills, and contemporary issues.

Professional Inquiry and Professional Practice

Learn practical teaching skills and spend time working alongside an experienced early childhood teacher and visiting lecturer. In your qualification you will be able to experience a variety of early childhood settings including a community placement.

The Bachelor of Teaching and Learning (Early Childhood) includes two blocks of Professional Practice in first year (one for two weeks, and another for four weeks). You will do one community placement, and five weeks in an early childhood setting in Year Two. In Year Three, you will have two blocks of five-week placements.

In the Graduate Diploma in Teaching and Learning (Early Childhood), there are two blocks of placements (one block of eight weeks, and one block of seven weeks).

Curriculum Studies

Find out about Te Whāriki, the Early Childhood Curriculum. Learn about teaching theory, and how to teach effectively within an integrated bicultural curriculum.

canterbury.ac.nz/courses

Career opportunities

Working in early childhood offers you a challenging, interactive, and rewarding career caring for infants, toddlers, and young children in their important early stages. From your placements throughout the degree, you will have teaching skills and experiences from a variety of education settings that could also apply to any area working with children and whānau.

Some career pathways could include:

- Early childhood teaching
- Childcare services
- Social work
- Government.

canterbury.ac.nz/careers/subjects

Study Early Childhood Teacher Education:

- Ako: Bachelor of Teaching and Learning
- Graduate Diploma in Teaching and Learning

Economics

‘Economics is applicable to almost every area of employment.’

Madi

[Bachelor of Commerce in Economics](#),
[Bachelor of Arts in Political Science and International Relations](#)

Economics is the study of how people behave and make decisions — how we use our resources, how we deal with issues like climate change, which career we choose, and more. These decisions involve trade-offs comparing the costs and benefits, and we’re constantly considering these in our everyday life.

At UC, there are lots of opportunities to gain real-world experience through industry projects, internships, clubs, overseas study trips, and more.

What will my study involve?

- Learn about the impact of your choices on the world, and how foreign countries impact Aotearoa New Zealand’s economy.
- Internship courses available in your final year.
- Economics major and minor is available in many degrees so you can combine studies with other relevant areas such as Finance, Political Science and International Relations, and Psychology.

Courses

First-year courses are introductory and teach you the basics of micro and macroeconomics. More advanced courses expand into areas such as market and organisational behaviour, and public policy.

Courses can include:

- International trade
- Consumer and business behaviour
- Developmental economics
- Environmental economics.

canterbury.ac.nz/courses

Career opportunities

By analysing the impact of choices by government, consumers, and businesses, you will learn important skills like critical thinking, understanding risk, and forecasting to help make better decisions.

Some career pathways could include:

- Professional economist
- Market research
- Data analyst
- Banking and investment.

canterbury.ac.nz/careers/subjects

Study Economics:

As a Major:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Commerce
- Certificate in Science

Ecosystem Health and Biosecurity

'I believe it is important to have a good understanding of the environment so you can educate the community to help them understand the environmental changes around them.'

Ashley (Ngāi Tahu)
Bachelor of Science in Environmental Science, and Geography

This subject will help you understand the extent of our impacts on the natural world and why it's so important to protect our native species and habitats.

Now more than ever we need to take a look at the impact of our actions, both small and big, and take on the role of kaitiaki (guardian) of our environment.

What will my study involve?

- Learn about current threats to biosecurity and how these impact our own wellbeing by choosing your ecosystems focus, such as marine biology, forestry, freshwater, evolution, and more.
- Opportunities for fieldwork to study biodiversity and learn practical skills through UC Research centres and field stations.
- Take part in work placements and projects working alongside community organisations.
- Studying this major as part of the Bachelor of Environmental Science with Honours is the only degree of its kind in Aotearoa, and is accredited by the Environment Institute of Australia and New Zealand (EIANZ) to deliver environmental practitioners for roles in industry, government, education and research, and the community.

Courses

First-year courses will introduce you to ecology, environmental science, chemistry, and statistics.

From your second year, you'll focus on ecosystems and biosecurity, with a wide range of optional courses so you can specialise in an area of your interest.

Courses can include:

- Aotearoa biodiversity and biosecurity
- Data gathering and analysis
- Fieldwork and field trips

- A range of optional courses like microbiology, conservation, soil fertility, invasive species, etc.

canterbury.ac.nz/courses

Career opportunities

Through your studies, you will be able to learn how to identify invasive species and other disturbances, analyse data, and consider the wider stakeholders involved. You will also learn broader skills like research, conservation, designing experiments, communication, problem-solving, and writing.

Some career pathways could include:

- Biosecurity
- Regional council
- Policy and advisory
- Ecological restoration.

canterbury.ac.nz/careers/subjects

Study Ecosystem Health and Biosecurity:

As a Major

- Bachelor of Environmental Science with Honours

Education

'I have loved as it has really broadened my perspective on the world and how I fit in and contribute to it.'

Allie
Bachelor of Arts in Education, Psychology, and Spanish

Learning is something we do every day. It happens in more places than the classroom and includes community settings, the workplace, art, sport, and even gaming.

Studying Education at UC will give you the knowledge to understand how human development and learning are shaped by the history and context of Aotearoa New Zealand, and the opportunities and challenges we face in designing inclusive and effective educational experiences for everyone.

What will my study involve?

- Study from three broad themes, including learning, child and adolescent development, and social and cultural studies in education.

- Education can be studied as a major or a minor and combined with many different degrees, so you are able to study Education alongside your other subject interests.

Courses

The first-year courses will give you the foundations of educational, learning, and human development theories, concepts, and processes.

The following years offer a range of optional courses so you can customise your study of Education to focus on educational and developmental psychology, policy, or social justice.

Courses can include:

- Educational philosophy and policy in Aotearoa
- Diversity in education — culture, sexuality, gender, ability
- Promoting social and emotional learning and wellbeing within and through education
- Globalisation, social justice, and the future of education.

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Career opportunities

Due to Education being a multidisciplinary field of study, it can lead to a range of career opportunities in and out of a classroom.

Some career pathways could include:

- Curriculum/programme designer
- Community support officer
- Education advisor
- Educational psychologist.

canterbury.ac.nz/careers/subjects

Study Education:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Electrical and Electronic Engineering

‘It’s fun to get a chance to think more broadly rather than only learning purely technical information.’

Laura

Bachelor of Engineering with Honours in Electrical and Electronic Engineering with a minor in Power Engineering

This branch of engineering is about using electricity for the benefit of the world – from providing power for homes and industry, to creating the physical parts that transfer information on computers and smart devices.

While similar to both Computer Engineering and Mechatronics Engineering, Electrical and Electronic Engineering has a stronger focus on making things happen in the physical world.

What will my study involve?

- Combining theory and practice by building and testing systems like solar cars, electric vehicles, and robots.
- Field trips to electricity infrastructure, like power stations.
- A final year research project, often sponsored by industry, to apply your learning.
- You can add a minor in Power Engineering with courses on electric power and renewable energy.

Courses

First-year courses are the foundations of engineering including maths, physics, and programming. From your second year onwards, you will be able to study electrical systems and electronics, including building and testing devices.

Courses can include:

- Circuits and signals
- Electric and magnetic waves
- Robotics
- Renewable electricity design.

canterbury.ac.nz/courses

Career opportunities

By studying Electrical and Electronic Engineering, you will be able to think of the end user and use your knowledge and skills to come up with practical and efficient solutions to problems.

The field is broad and there are many exciting projects you can contribute to like clean water, communication networks, transportation, search and rescue, medical devices, and more.

Some career pathways could include:

- Electronics design
- Embedded systems
- Consultant
- Research and Development (R&D).

canterbury.ac.nz/careers/subjects

Study Electrical and Electronic Engineering:

- Bachelor of Engineering with Honours

Energy Processing Technologies

‘I appreciate how, within the field of engineering, I am able to work on projects which help combat environmental and social issues we as a global society are facing.’

Ben

Bachelor of Engineering with Honours in Chemical and Processing Engineering with a minor in Energy Processing Technologies

Energy Processing Technologies explores how we generate and store energy from sources such as natural gas, oil, and solar, and produce products such as electrical power, fuels, and batteries.

You’ll also learn about environmental issues and moves towards sustainable engineering and renewable energy.

What will my study involve?

- Practical lab work learning how to improve various kinds of energy.
- Identifying opportunities to reduce energy demand.
- Individual and group design and research projects.

Courses

This minor is available alongside the Bachelor of Engineering with Honours in Chemical and Process Engineering. Courses start with the basics of energy creation and thermodynamics, then investigates energy supply and demand in Aotearoa, sustainability issues, and new energy technologies.

Courses can include:

- Chemical reactions and energy generation
- Fossil fuel conversion
- Processing plant design
- New and emerging energy sources (eg, hydrogen and ultraclean fuel).

canterbury.ac.nz/courses

Career opportunities

Knowledge of energy management will prepare you to meet the increasing demand in industries, ranging from wind to solar to carbon power generation. You will also be a great source of expertise in environmental effects and sustainable engineering practice.

Some career pathways could include:

- Power suppliers
- Operations and site management
- Renewable energy and sustainability
- Energy analyst.

canterbury.ac.nz/careers/subjects

Study Energy Processing Technologies:

As a Minor:

- Bachelor of Engineering with Honours

English

Studying literature opens up worlds and times beyond our experience, helping us understand and reflect on our own history, culture, society, and identity. English is a core skill for almost every form of study, career, and daily life.

What will my study involve?

- Pick from a variety of courses to learn how to analyse texts, write clearly and creatively, debate and critique effectively, and learn how literature adapts to cultural and historical influences.
- Chance to create your own fictional or non-fictional works, from poetry to novels to screen writing in a variety of different courses.
- Alongside courses on the novel, theatre, and 20th century literature, we also offer courses in fields such as children's literature, human-animal studies, and popular fiction (including science fiction, horror, and fantasy).

Courses

You will get to choose from a range of topics each year of your degree, starting with the basics of academic and/or creative writing techniques, analysing themes and genres, and exploring some of the greatest literature works throughout history.

Courses can include:

- Great Works
- The Outsider
- Creative Writing: Skills, Techniques and Strategies
- Shakespeare.

canterbury.ac.nz/courses

Career opportunities

Reading, analysing, and critiquing skills are useful in a huge range of occupations, including journalism, law, communications, publications, and even digital spaces. University studies may open the way towards creating your own works and becoming a published author.

Some career pathways could include:

- Digital media and communications
- Reporting
- Publishing and editing
- Advertising and content writing.

canterbury.ac.nz/careers/subjects

Study English:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

English Language

This subject explores the history of the English language. You will learn about the sound and grammatical systems of English, how English changes over time, geographical variations, and the social and cultural meaning behind our use of words and ways we learn to communicate.

What will my study involve?

- Explore the structure, functions, and history of English language, with a focus on Aotearoa English and the infamous Kiwi accent, Māori-English phrases, and the psychology behind how communication adapts in different settings.
- Interdisciplinary field of study that bridges the sciences, the social sciences, and the humanities.
- Study English Language as a minor in many bachelor's degrees to develop your communication and social language skills on top of your other interests.

Courses

This subject connects the science of language learning and development with the social construct and meaning behind words, pronunciation, and evolution of newly invented words.

Courses can include:

- The English Language
- Language and Society in New Zealand and Beyond

- Language variation across space and time
- Phonetics: the sound of speech.

canterbury.ac.nz/courses

Career opportunities

This subject is a good foundation for any career which requires advanced communication skills and a detailed understanding of the English language, especially in international contexts.

Some career pathways could include:

- English language teaching
- Cultural or community support
- Editing or publishing
- Journalism.

canterbury.ac.nz/careers/subjects

Study English Language

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Environmental Change

Become a part of the solution to the biggest issues we have ever faced by studying Environmental Change. Explore how our earth works, evolves, and adapts to human activity and extreme climate change.

What will my study involve?

- Learn about how different earth systems react and repair from ongoing environmental issues, from eroding landscapes to extinct species to extreme weather events.

- Gain applied skills in observation and data analysis from hands-on work at our field stations, and computer modelling – including work experience.
- Learn to merge mātauranga Māori and scientific knowledge to broaden your understanding and approach to environmental issues.
- The Bachelor of Environmental Science with Honours is accredited by the Environment Institute of Australia and New Zealand (EIANZ) to deliver environmental practitioners for roles in industry, government, education and research, and the community.

Courses

Within the first year, you learn about earth systems (ecosystems, biodiversity, and atmosphere) and how human activity can disrupt or completely change these. As you continue, your coursework will include more complex data modelling, bioinformatics, and long-term global effects of climate change.

Courses can include:

- Antarctica and global change
- Renewable energy, sustainability, recycling, and ethical systems
- Natural disasters
- Biosecurity and contamination.

canterbury.ac.nz/courses

Career opportunities

Your scientific knowledge will be especially important in roles where you can help inform society about the potential hazards and consequences that will arise from exploiting our natural resources.

Some career pathways could include:

- Natural scientist
- Government officer
- Urban and environmental planner
- Resource manager.

canterbury.ac.nz/careers/subjects

Study Environmental Change:

As a Major

- Bachelor of Environmental Science with Honours

Environmental Contamination

Environmental Contamination is the science of prevention and treatment of contaminants and invasive organisms in our ecosystems. This major offers practical learning in identifying contaminants and their source, analysing their impact and developing strategies to prevent further exposure.

What will my study involve?

- Investigate threats to our natural environment, such as toxic contamination in drinking water, pests destroying our local habitats, and agricultural disease.
- Field studies, lab work, and work experience throughout the degree, with a microscopy facility and microbiology lab on campus, and UC's own field-stations throughout Waitaha Canterbury.
- Learn to merge mātauranga Māori and scientific knowledge to broaden your understanding and approach to environmental issues.
- The Bachelor of Environmental Science with Honours is accredited by the Environment Institute of Australia and New Zealand (EIANZ) to deliver environmental practitioners for roles in industry, government, education and research, and the community.

Courses

You will be introduced to chemistry and biology before going onto more advanced courses like surface-earth science and contaminants, including landforms, glaciers, atmosphere, and freshwater.

Courses can include:

- Sample collecting and lab preparation
- Micro biology and chemistry
- Soil, water, and air quality assessment
- Toxicology.

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Career opportunities

Contamination risk is always high with infrastructure, transportation, and natural resource use. Your specialist knowledge in microbiology and contamination will be essential to help combat ongoing damage to our natural world.

Some career pathways could include:

- Border security
- Infrastructure planner
- Agricultural manager
- Work safety inspector.

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Study Environmental Contamination:

As a Major:

- Bachelor of Environmental Science with Honours

Environmental Hazards and Disasters

Take this major and you will get the opportunity to analyse disasters like earthquakes, floods, and volcanic activity to reduce their risk and impact.

You will put into practice disaster management and response plans through extensive field studies around Te Waipounamu South Island.

What will my study involve?

- Examine the issues caused by sudden, extreme changes to the environment and communities.
- Through disaster case studies, lab, field studies, and work experience, you will learn to understand, process, and analyse information relevant to an actual hazard or disaster situation.
- Use modern tools like geospatial analysis and GIS to map out disaster effects, forecast data, and create response plans.
- The Bachelor of Environmental Science with Honours is accredited by the Environment Institute of Australia and New Zealand (EIANZ) to deliver environmental practitioners for roles in industry, government, education and research, and the community.

Courses

First-year courses introduce you to the foundations of environmental science, statistics, and chemistry. In your second year, you'll examine earth science systems that lead to hazards and learn strategies to minimise them.

Courses can include:

- Risk assessment and communication
- Earth surface behaviour
- Resilience strategies for high-risk communities
- Sustainable and ethical development.

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Career opportunities

Your studies will give you technical skills in data modelling and assessment, in addition to understanding the science behind disasters and hazards.

Some career pathways could include:

- Crisis and emergency response
- Urban resilience planning
- Geospatial mapping
- Government and policy.

canterbury.ac.nz/careers/subjects

Study Environmental Hazards and Disasters:

As a Major:

- Bachelor of Environmental Science with Honours

Environmental Policy, Governance and Social Justice

To make just and sustainable decisions for the environment and our wellbeing, we must learn to see how politics, social behaviour, and business economics can both cause and improve issues. Demand for products and services can lead to problems such as pollution, slave labour and workers' rights, and Indigenous land disputes.

At UC, you will examine global sustainability and social equity issues and learn how to respond with actionable change to communities and businesses.

What will my study involve?

- Connect your study to real-world problems through field studies and an internship.
- Build upon UC's sustainability goals and use our local and international connections with industry.

- Courses include a range of areas like political science and law, philosophy and ethics, economics, social enterprise, sociology, and psychology so you can follow your interests in particular issues.
- Engage with ideas of mātauranga Māori (knowledge), Pacific history, decolonisation, and tino rangatiratanga (authority).

Courses

All our first-year courses are designed to introduce you to a variety of sustainability and humanitarian concepts, including political science, philosophy, health, and more.

Courses can include:

- Systems and social change
- Environmental politics and policy
- Māori and Indigenous knowledge
- Environmental science and natural resource management.

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Career opportunities

A 2020 study found that 71% of participating New Zealand sustainability professionals experienced greater sustainability resourcing in their organisation in the previous year.

Learning about sustainability from a policy and social justice point of view teaches you how to critically analyse systems and how to enact social change that is inclusive of other cultures, communities, and businesses.

Some career pathways could include:

- Policy and advisory
- Non-profit sector
- Marketing, communications, and events
- Business operations management.

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Study Environmental Policy, Governance and Social Justice:

As a Major

- Bachelor of Social and Environmental Sustainability

Environmental Process Engineering

Environmental Process Engineering is ideal for environmentally-minded engineers who want to improve our planet by designing systems that treat water, air, and soil.

Learn about sustainable practices, environmental treatments, law and policies, and cultural issues surrounding environmental treatment technologies.

What will my study involve?

- Study how engineering processes and technology affect our climate so you can find innovative solutions to our world's environmental challenges.
- Gain communications and project management skills to work with industry, government, and local communities on future engineering projects.
- Applied learning with individual and group design and research projects.

Courses

Courses will add an environmental focus to your engineering studies, so you can analyse different forms of industrial pollution, chemical treatments, and other issues industries are facing. Your Environmental Process Engineering courses begin in the second year.

Courses can include:

- Industrial water, air, and noise pollution control
- Biodegradable products
- Engineering ethics
- Treatment processes.

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Career opportunities

A minor in Environmental Process Engineering will make you well suited to monitor and minimise the impact society has on natural resources and climate change. This expertise is highly sought after by engineering firms and local councils.

Some career pathways could include:

- Conservation
- Sustainable engineering consultancy
- Food production
- Wastewater treatment.

canterbury.ac.nz/careers/subjects

Study Environmental Process Engineering:

As a Minor:

- Bachelor of Engineering with Honours

Environmental Science

‘The field work is great, and helps to teach actionable skills, develop a deeper understanding of the topics, and see the issues in person. My lecturers are all very passionate, which makes you want to actively learn and take part, and my classmates and clubmates all want to see the world become a better place.’

Alice

Bachelor of Science in Environmental Science and Geography

Environmental Science is the study of the natural world, its ecosystems, and our interactions with it. This knowledge is particularly important today as we focus more on water biosecurity, sustainability, natural disasters, and global climate change.

What will my study involve?

- UC operates field stations at Cass and Kawatiri Westport where you will do field work and research.
- Study Environmental Science in many ways – either as Bachelor of Environmental Science with Honours, a major within the Bachelor of Science, or as a minor within other bachelor’s degrees.
- The Bachelor of Environmental Science with Honours is the only degree of its kind in Aotearoa, and is accredited by the Environment Institute of Australia and New Zealand (EIANZ) to deliver environmental practitioners for roles in industry, government, education and research, and the community.

Courses

First-year courses are introductory and don’t require any previous study. However, previous study in biology, mathematics, statistics, and chemistry will be useful.

Fieldwork and practical labs are a major part of your studies so you can work directly with environmental issues around Waitaha Canterbury.

Courses can include:

- Natural resources management
- Coastal cities
- Global climate change
- Agriculture and environmental issues.

canterbury.ac.nz/courses

Career opportunities

Through your studies you will gain a strong understanding of environmental science, and developing sustainable solutions to environmental issues, and how to build resilient communities. You will also develop skills in data analysis, environmental psychology, risk assessment, case study analysis.

Some career pathways could include:

- Government agencies
- Research institutes
- Consultancies
- Biotechnology.

canterbury.ac.nz/careers/subjects

Study Environmental Science:

- Bachelor of Environmental Science with Honours

As a Major:

- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Science

European and European Union Studies

‘European Studies is very contemporary, so there is never a dull moment.’

Charlotte

Bachelor of Arts in Chinese and Linguistics with a minor in European and European Union Studies, Master of European Union Studies

With 27 member states and 500 million people, the European Union (EU) is Aotearoa New Zealand’s most significant bilateral partner after Australia and China and is one of the world’s leading political and trading blocs. Europe provides an important reference point to Aotearoa and the global community in cultural, linguistic, and political aspects.

Study in European and European Union Studies will look into current events as well as history, language, and culture that have shaped Europe and the European Union.

What will my study involve?

- There are two main areas of study to choose courses from: EU studies on modern-day Europe, and cultures and languages of Europe.
- Choose from a broad range of topics including political, economic, and social integration of modern-day and historical Europe.
- Get taught by members of the National Centre of Research on Europe (NCRE), Aotearoa New Zealand’s only research centre devoted to study of Europe and the EU.
- Opportunity to complete an international or virtual exchange with UC’s European partner universities.

Courses

Learn about the different regions that make up Europe and the EU, its cultural and language diversity, and the political landscape from its creation through to today. You will also be able to include study in a European language as part of the degree, choosing from German, French, Russian, or Spanish.

Courses can include:

- Global Europe
- From Fiesta to Siesta: the magical culture of the Spanish-speaking world
- European novels and film adaptations
- The Soviet Experiment and its aftermath.

canterbury.ac.nz/courses

Career opportunities

Studying European and European Union Studies will open up a wide range of careers in Aotearoa and abroad. Your skills and knowledge provide you with a unique perspective on Europe and the EU in various industries, from politics to education to humanities.

Some career pathways could include:

- International trade consultancy
- Foreign affairs
- Communications
- Policy analysis.

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Study European and European Union Studies

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Film

‘Through a tip from a lecturer I managed to become part of Whitebait’s online community of videographers. I make fun little films of my travels.’

Buddy

Bachelor of Fine Arts in Film

Explore the world of film through its history, critical discussions, contemporary artists, and technologies while developing your own film portfolio.

What will my study involve?

- Studio work and group projects to develop your skills as a filmmaker.
- Use on-campus lighting and greenscreen stages, sound studios, editing suites, and gain 24 hour access to the film studio spaces.
- Take other courses of interest alongside your Film studies, such as Psychology, Music, and History.

Courses

After your first year introduces you to studio practice and the broader fine arts industry, your Film courses will take you through the process of developing and executing a film project – writing, filming, location scouting, directing, editing, and more.

Courses can include:

- Film studio projects
- International cinema
- Documentaries and ethical storytelling
- New film technologies – cameras, editing software, CGI, digital music.

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Career opportunities

Your works and experience throughout your studies explore both technical and non-technical aspects of film, television, and other creative visual industries.

Some career pathways could include:

- Film or TV directing
- Producing
- Cinematography
- Screen writing.

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Study Film:

As a Major:

- Bachelor of Fine Arts

Finance

‘I think that the lecturers (particularly in the Finance department) were the standout feature for me at UC. They were always helpful, friendly, and willing to go out of their way for me.’

Dylan

Bachelor of Commerce in Finance

Finance looks into future planning for businesses, investors, and more. Finance shapes the health of every economy, and while at UC you will gain the knowledge to make the right financial decisions.

What will my study involve?

- During your studies you will look at three key areas: corporate finance, financial markets, and investments.
- Extra opportunities including case competitions, Chartered Financial Analysts (CFA) exams, and Professional Risk Manager (PRM) qualifications.
- Option to complete a practical internship in a professional working environment during your final year of studies.

Courses

Your first year of studies will introduce you to the fundamentals of Finance, and build from there.

Courses can include:

- Investment and portfolio management
- Financial theories and practice
- Retirement and estate planning
- Data modelling and forecasting.

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Career opportunities

Studying Finance will prepare you for a range of jobs in the financial and business sectors, as well as any roles that involve detailed knowledge of analysing data, risk planning and management, and accounting.

Some career pathways could include:

- Financial advisor
- Investment broker
- Data analyst
- Foreign exchange dealer.

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Study Finance:

As a Major:

- Bachelor of Commerce
- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Commerce
- Certificate in Science

Financial Engineering

‘I knew I wanted to study some form of mathematics/statistics at university, and Financial Engineering allowed me to tie in some Computer Science, Finance, and Economics.’

Nicholas

Bachelor of Science in Financial Engineering and Statistics, Bachelor of Science with Honours in Computational and Applied Mathematical Sciences

Financial Engineering combines financial and economic theory with computational tools to design financial products, portfolios, markets, and regulations.

UC offers the only Financial Engineering programme in Aotearoa to help meet industry demand and international growth in the field.

What will my study involve?

- Combine topics from economics, maths, statistics, and engineering.
- Create financial models, market simulations, and computer programmes.

Courses

First-year courses will give you the foundations of Financial Engineering, with introductory maths, computer science, economics, and statistics.

Later courses go more in-depth on financial software, business skills, and calculating finances.

Courses can include:

- Software development
- Consumer behaviour
- Financial markets
- Probability modelling.

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Career opportunities

This degree will lead to flexible career opportunities due to the technical skills you will learn during your studies, including problem-solving, programming, and communication. Financial Engineering can lead to careers in the global finance industry and other technical fields, such as information technologies (IT).

Some career pathways could include:

- Investment broker
- Business analyst
- Financial engineer
- Risk manager.

canterbury.ac.nz/careers/subjects

Study Financial Engineering:

As a Major:

- Bachelor of Science

Other pathways:

- Certificate in Science

Forest Engineering

‘There are so many different parts of the industry — I think a lot of people just assume that it’s only about cutting trees down, which isn’t the case at all. There are lots of changes happening right now and there is a lot of scope to make a meaningful contribution to the industry.’

Abby

Bachelor of Engineering with Honours in Forest Engineering

Forest Engineering takes the technical field of engineering to the outdoors, where you will help design, construct, and evaluate the operational systems that make the forest industry function.

UC is the only university in Australasia offering this programme, with a focus on design and build of forestry roads and equipment, integration of new technology, ethics, and environmentally sustainable practice.

What will my study involve?

- Internships, field trips, workshops, and industry events to gain practical work experience.
- Your studies follow advancements in the industry so you have the most current knowledge when you graduate.
- International exchange opportunities with the University of British Columbia in Canada, and Virginia Polytechnic Institute and State University in the USA.

Courses

After your first year in basic engineering skills, your Forest Engineering degree will focus on topics like geotechnical engineering, forest infrastructure management, harvest planning, and wood science.

Courses can include:

- Marketing and international trade
- Advanced wood products processing
- Advanced geotechnical engineering
- Engineering in developing communities.

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Career opportunities

Forestry is one of Aotearoa New Zealand's most important exports. There are many different roles as a forest engineer with active, technical, and management opportunities.

Some career pathways could include:

- Harvest and roading operations supervisor
- Forest engineering management
- Forest consulting
- Regional Councils and Government advisory.

canterbury.ac.nz/careers/subjects

Study Forest Engineering:

- Bachelor of Engineering with Honours

Forestry Science

'I love the balance between theoretical and hands-on practical work. Forestry science combines science with management, commerce, and technology, which are all aspects that really interest me.'

Boris

Bachelor of Forestry Science

Forestry Science is all about learning how to manage forest resources, conservation and restoration ecology, and in policy and planning areas.

UC is the only university in Australasia offering this programme with a focus on ethical and sustainable management of plantation and native forests.

What will my study involve?

- A wide combination of courses, covering the commercial forestry industry, and efforts in conservation and restoration of forests.
- Course work in and out of the classroom with practical workshops, labs, and fieldtrips to plantations and native forests.
- Options for exchange programmes with the University of British Columbia in Canada, and Virginia Polytechnic Institute and State University in the USA.

Courses

Courses in your first year of Forestry Science will cover the importance of and relationship we have with forests, and introduce you to the global forestry industry and its effects on our environment.

As you continue in the degree, you will focus on forest economics, forest engineering and harvesting, silviculture and management of forest plantations, geospatial science, wood science, and environmental forestry.

Courses can include:

- Marketing and international trade
- Tree breeding
- Biosecurity risk management
- Advanced wood products processing.

canterbury.ac.nz/courses

Career opportunities

Forestry Science is a degree that is well supported by employers in Aotearoa because of the industry demand for foresters with sustainability, conservation, and commercial logistics experience.

Some career pathways could include:

- Forest management
- Forest consulting
- Forest policy and planning
- Sustainable land management.

canterbury.ac.nz/careers/subjects

Study Forestry Science:

- Bachelor of Forestry Science

French

French is one of the truly international languages and is useful in travel, culture, trade, science, and sport. With 29 countries speaking French as an official language, studying at UC will be a great addition to your studies and will ensure you have the skills to work internationally.

What will my study involve?

- Become an expert in the French language, as well as the history and culture of French-speaking countries: France, Belgium, Monaco, Canada, Congo, Madagascar, and more across the globe.

- International and virtual exchange programmes with multiple universities, including IEP Aix and the Institute of Political Studies in Paris.
- French can be taken with a range of bachelor's degrees, as well as in a certificate or diploma in French with your other studies.

Courses

No prior knowledge is needed to study French at UC. First-year courses are introductory lessons in French, with further study moving on to intermediate and advanced-level French, and history and culture.

Courses can include:

- French culture — Europe, the Caribbean, Africa, the Pacific, Canada
- French literature and film
- World War history
- The French Revolution.

canterbury.ac.nz/courses

Career opportunities

French is spoken the world over, and your knowledge will help with cross-cultural relationship building and open you up to careers all over the world.

Some career pathways could include:

- International diplomacy
- Trade and tourism
- Public relations and journalism
- International business.

canterbury.ac.nz/careers/subjects

Study French

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Languages
- Diploma in Languages

Freshwater

Freshwater is one of our most precious resources, making up only 3% of water on the earth's surface. Studying Freshwater at UC will involve theoretical and applied skills to understand and develop water treatment systems and infrastructure, and exploring the ethical and sustainable use of freshwater resources.

What will my study involve?

- Study the journey of freshwater as it travels from mountains to the sea, and the effect it has on other ecological systems along the way.
- Learn about Aotearoa New Zealand's unique cultural history, legal policies, and relationship with bodies of water and freshwater resources.
- Practical labs, fieldtrips, and work experience around Waitaha Canterbury — beaches, mountains, snow fields, forests, and wetlands.
- The Bachelor of Environmental Science with Honours is accredited by the Environment Institute of Australia and New Zealand (EIANZ) to deliver environmental practitioners for roles in industry, government, education and research, and the community.

Courses

Courses for the Freshwater major begin in your second year of studies, introducing you to hydrological science and marine life, and how we collect, process, and use freshwater.

Courses can include:

- Water quality assessments
- Microorganisms
- Groundwater engineering
- Water resource conflicts.

[canterbury.ac.nz/courses](https://www.canterbury.ac.nz/courses)

Career opportunities

Help ensure a sustainable future for this limited resource with a range of freshwater-related professions — whether it be water catchment, treatment, fisheries, or even disaster and contamination management.

Some career pathways can include:

- Environmental scientist
- Field technician

- Environmental planner
- Resource management officer.

[canterbury.ac.nz/careers/subjects](https://www.canterbury.ac.nz/careers/subjects)

Study Freshwater:

As a Major

- Bachelor of Environmental Science with Honours

Geography

'I realised that Geography was my ideal field of study as it is a broad field that allowed me to combine my interests in the environment, technology, the outdoors, and the world around me.'

George

Bachelor of Science in Geography with an endorsement in Environmental Science, Bachelor of Arts with Honours in Geography

Geography is the study of human behaviour, the environment we live in, and the relationship between both. This field combines arts and sciences to find innovative solutions to our society's most pressing issues and debates, and the human response to these challenges, such as climate change, poverty, sustainability, health, and inequality.

What will my study involve?

- Explore different pathways in geography: physical geography, human geography, Geographic Information Systems (GIS), and resource and environmental management.
- Practical workshops, labs, and fieldtrips to examine geographical processes outside of the classroom — including urban mobility and planning.
- You will get the opportunity to undertake research with community partners that supports resilient environments and communities through research.

Courses

Introductory level courses are offered in your first year of Geography studies. Further study will offer a variety of courses to choose from and deepen your understanding of your specific interests.

Courses can include:

- Climate change — environmental and societal effects and responses
- Physical processes from mountains to sea
- Community and urban development
- Geospatial science.

[canterbury.ac.nz/courses](https://www.canterbury.ac.nz/courses)

Career opportunities

Geography is a distinctive field between science and arts that also has links to law, sociology, engineering, computer science, and health sciences. Due to this diversity, study in Geography will lead to a range of career opportunities.

Some career pathways could include:

- Climate or environmental consultant
- Resource manager
- Urban or transport planner
- Geospatial scientist.

[canterbury.ac.nz/careers/subjects](https://www.canterbury.ac.nz/careers/subjects)

Study Geography:

As a Major:

- Bachelor of Arts
- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Science

Geology

'UC is one of the top universities in New Zealand to study Geology due to the accessibility of locations directly impacted by natural events and places that have a rich history.'

Tessa
Bachelor of Science in Geology,
and Geography

Geology explores the earth building processes of our planet, so that we can best use natural resources, plan land developments and infrastructure, and monitor natural hazards such as volcanoes and earthquakes.

With over 500 million years of geological history, Aotearoa is a rich and unique place to study this earth science.

What will my study involve?

- Focus on climate change, natural disasters, and other earth systems affecting geological processes.
- Learn from our experts on earthquake research, with opportunities to take part in real disaster response and observation.
- Complete practical lab and field work in various stations across Te Waipounamu South Island visiting real geological phenomena, such as earthquake faultlines and volcanoes.

Courses

First-year courses give an introduction to Geology science, from examining rocks to mountain formations. From your second year onwards you will learn more advanced practical techniques in collecting data, lab analysis, field mapping, and observation at real-world geological locations.

Courses can include:

- Earth surfaces and changing landscapes
- Geographical hazards
- Mineral study
- Geological technology — GIS, LiDAR, and more.

canterbury.ac.nz/courses

Career opportunities

Study in Geology offers a wide range of work environments and employment opportunities across the globe, particularly in areas of science and engineering informing on old and new earth developments.

Some career pathways can include:

- Energy, mining, and petroleum industries
- Government and Geotechnical planning
- Conservation
- Research and exploration.

canterbury.ac.nz/careers/subjects

Study Geology:

As a Major:

- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Science

German

'I want to create helpful things like MRI machines and artificial limbs. Europeans are leaders in that area, so I thought learning German would be a great way to open up opportunities over there.'

Thomas
Bachelor of Engineering with Honours in
Mechatronics Engineering, Diploma in
Languages in German and Russian

German is spoken by 130 million people all over the world. Through its authors, philosophers, composers, painters, and scientists, German-speaking Europe has helped shaped history for the past 800 years.

There are lots of opportunities to use this language professionally, as Germany has the 4th largest economy in the world and is a key player in international trade and relations.

What will my study involve?

- Become an expert in German language, as well as in the history and culture of German-speaking countries, including Austria, Switzerland, Belgium, and Liechtenstein.
- Access to exchange programmes with the University of Konstanz and the University of Freiburg.
- UC has the National Centre for Research on Europe (NCRE), the only research centre for the study of Europe and the EU in Aotearoa.
- You can study German within a range of different bachelor's degrees, or you can also add a certificate or diploma in German language alongside your other studies.

Courses

No prior knowledge is needed to study German at UC. You will start with elementary German in your first year, then advance from there.

If you know some German already, then you may be given direct entry into second-year German courses.

Courses can include:

- European identity and culture
- European Novels and film adaptations
- Rise and fall of communism
- World War history.

canterbury.ac.nz/courses

Career opportunities

Knowing languages is highly sought after — it helps in cross-cultural relationship building, and helps you to pursue your career interests around the world.

German language in particular is vital to international areas such as science, engineering, business, history, and tourism.

Some career pathways could include:

- Diplomatic and international relations
- Tourism
- Trade market
- Research.

canterbury.ac.nz/careers/subjects

Study German

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Languages
- Diploma in Languages

Global Societies and Cultures

Through this specialisation you will learn to engage with ideas that have shaped today's world during the course of history and examine Aotearoa New Zealand's bicultural society in a global context.

Skills in a second language greatly increase your competitiveness in the global job market and serve as a gateway to cultural literacy and cross-cultural awareness.

What will my study involve?

- Combination of language and cultural studies.
- A choice in courses based on your specific interests and industry you wish to work in – history, literature, film, and language.
- Opportunity to participate in a range of exchanges with UC's international exchange partners.

Courses

Courses in this specialisation are designed to offer a range of experiences to develop knowledge of the global industry through culture and languages.

In your first and second year, you are required to learn a language and you will have the opportunity to advance your

skills in your final year, and/or complete historical, political, and cultural studies on a region of interest.

Courses can include:

- Global film analysis
- Modern and ancient history
- Shaping culture through art
- Māori culture and identity.

canterbury.ac.nz/courses

Career opportunities

This degree pathway can lead to a range of careers as global ambassadors in history, society, culture, and more. Your study experiences will give you the knowledge to work in many industries in Aotearoa and abroad.

Some career pathways could include:

- Public sector
- International education
- Media and communications
- Diplomatic and international relations.

canterbury.ac.nz/careers/subjects

Study Global Societies and Cultures:

As a Specialisation:

- Bachelor of Arts

Graphic Design

'Once I saw the School for myself I knew I had to come here, I was blown away by the facilities and the work I saw being produced by other students.'

Daniel

Bachelor of Fine Arts in Graphic Design

Learn foundations and techniques of graphic design, create a portfolio of work that interests you, and participate in workshops, projects, and community art shows.

What will my study involve?

- Create graphic design pieces through small, medium, and large-scale studio projects.
- A close community of fine arts students, with plenty of opportunities for gaining work experience.
- Seminars by staff, students and visiting professionals examining current issues in graphic design.

Courses

In your first year, you will gain a broad understanding of studio practice, with critical and reflective thinking about the fine arts. From second year you will learn technical and theoretical knowledge of graphic design.

Courses can include:

- Typesetting and typography
- Historical and contemporary graphic art
- Design software and digital skills
- Studio projects.

canterbury.ac.nz/courses

Career opportunities

A degree in Graphic Design prepares you for a creative industry with critical thinking, artistic and technical knowledge, and skills transferable to a number of roles.

Some career pathways could include:

- Graphic design
- Illustrating
- Design consulting
- Marketing.

canterbury.ac.nz/careers/subjects

Study Graphic Design:

As a Major:

- Bachelor of Fine Arts

Health Education

‘The Bachelor of Health Sciences has taught me countless skills that I can apply to any walk of life, but more specifically, those related to health and wellbeing.’

Alice
Bachelor of Health Sciences in
Health Education

If you are interested in helping people and communities empower themselves, then Health Education is for you. This subject revolves around understanding population health issues and learning how to teach people to adopt healthier lifestyles to enhance their health and wellbeing.

What will my study involve?

- Understand how to build people’s health literacy.
- Develop a toolbox of teaching strategies that can be used at personal, interpersonal, and community level.
- Build confidence in presenting and facilitation.
- In your final year, complete an internship where you can apply what you’ve learnt and start your Health Education professional journey.

Courses

First-year courses are designed to give you an introduction into Health Sciences and teach you the fundamental concepts that will be built on in the following years of your study.

Courses can include:

- Sexuality education
- Mental health and building resilience
- Programme planning and facilitation
- Health promotion through physical activity.

canterbury.ac.nz/courses

Career opportunities

Your studies will equip you to work in different areas of health-related institutions and agencies such as community and public health, schools, Family Planning, Mental Health Foundation, and more.

Some career pathways could include:

- Health promoter
- Health Education teacher
- Whānau support worker
- Wellbeing coordinator.

canterbury.ac.nz/careers/subjects

Study Health Education:

As a Major:

- Bachelor of Health Sciences

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Health Sciences
- Diploma in Health Sciences

History

‘I enjoy the wide range of courses that are all on offer at UC; I’ve taken courses on New Zealand, American, European, and Japanese history.’

James
Bachelor of Arts with Honours in History,
Master of Writing

History is at the heart of everything we do and is much more than studying the past – it gives you an insight into who we are as a society in the present, and gives us the tools to make better decisions for the future.

At UC, you will learn about different eras of history and cultures around the world, while also looking into our own bicultural heritage.

What will my study involve?

- A choice in courses to fit your specific interests whether that is revolutions, medieval history, religious beginnings, empires, or criminology.

- You can minor in History in various different bachelor’s degrees to add historical knowledge to your studies.
- Opportunity to complete a practical internship in organisations including archiving, museum curatorship, events and social media management, and research projects.

Courses

Our first-year History courses are designed to introduce various aspects of history with broad topics. Further study will allow for more targeted learning of historical periods and subjects depending on your interests.

Course can include:

- Medieval Europe
- Revolutions and Revolutionaries
- Modern World History
- Māori and Indigenous Development.

canterbury.ac.nz/courses

Career opportunities

A study in history teaches you a range of skills that lead to careers involving analysis, communication, creative thinking, research, and more.

Some career pathways could include:

- Media and communications
- Curatorship
- Political relations, foreign affairs, policy
- Iwi engagement and development.

canterbury.ac.nz/careers/subjects

Study History:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Human Resource Management

'I find it interesting learning how effective HR practices can play a big part in the success of an organisation, in attracting, managing, and retaining talented people.'

Matthew
Bachelor of Commerce in Human Resource Management

Human Resource Management is about attracting, developing, and managing staff; and creating a workplace culture where people are safe, engaged, and motivated to give their best.

At the heart of HRM is connecting with people and focusing on the employee experience in order to get the most out of an organisation's talent.

What will my study involve?

- A wide range of topics including leadership, communication, managing change and innovation, learning and development, and performance management.
- In your final year of study, you have the opportunity to complete an internship project where you are able to work in various host organisations on a specific human resource challenge.
- You can study a minor in Human Resource Management within a range of different bachelor's degrees alongside your other studies of choice.

Courses

First-year courses will introduce you to the fundamentals of business and management. Further study will include courses that will build your human resource management knowledge.

Courses can include:

- Workplace behaviour
- HR processes like recruitment, performance management, and learning and development
- Leading change and innovation
- Employment relations.

canterbury.ac.nz/courses

Career opportunities

Your studies will give you lots of practical skills like strategic planning, communication, research, and writing. You will learn how to place the wellbeing of people in the context of various organisational challenges.

Some career pathways could include:

- Human resources advisor
- Learning and development consultant
- Recruitment advisor
- People and culture coordinator.

canterbury.ac.nz/careers/subjects

Study Human Resource Management:

As a Major:

- Bachelor of Commerce

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Human Services

Human Services is all about working with people to create a healthy life for the community and make positive impacts in the world. Human Services is one of the fastest growing employment fields in the world as it is incorporated in so many professions including education, law enforcement, health, and more.

What will my study involve?

- Five different pathways within Human Services, including healthy lifestyles, crime and deviance, local and global communities, workplaces, and youth.
- Opportunities to practice your research skills and investigate topics from an angle that interests you.
- This subject can be studied alongside many different degrees to strengthen your human service and social awareness in your studies.

Courses

First-year courses will introduce you to the fundamental issues society faces, with further study made up of courses that you are specifically interested in from themes such as culture, health, and organisational spaces.

Courses can include:

- Violence In Society
- Youth Realities
- Human Behaviour and Human Systems
- Gender, Crime and Social Theory.

canterbury.ac.nz/courses

Career opportunities

The skills gained from Human Services will suit any industry that involves compassion for and working with people, such as education, health, social support, policy, and law enforcement.

Some career pathways could include:

- Youth and community development
- Law enforcement
- Corrections and probation
- Health.

canterbury.ac.nz/careers/subjects

Study Human Services:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate of Arts

Humanitarian Work

Indigenous Knowledge and Sustainable Partnerships

If you are passionate about taking action to protect life and health, and ensure respect for others, then this pathway is perfect for you. Studying Humanitarian work at UC will give you the skills to better the lives of others.

What will my study involve?

- Learn about important social issues, such as poor education and poverty, and gain the leadership skills to change things.
- Be part of UC's student community that has gained worldwide reputation for responding to crisis, disaster, and civil emergencies — from earthquakes to terrorism.
- Act now with social projects and internships through the degree so you can start making change while studying.

Courses

The Humanitarian pathway focuses on learning about and responding to inequalities and how they affect people in relation to their sexuality, gender, ethnicity, education, and (dis-)ability.

Courses can include:

- Identity and discrimination
- Aotearoa human services
- International relations
- Culture, society, and ethics.

canterbury.ac.nz/courses

Career opportunities

Coordinating change needs skills in leadership, management, and engagement, and your experiences from this degree will prepare you well to act on these. Having compassion for others is an ideal trait for any career working with people.

Some career pathways could include:

- Disaster response
- Social welfare
- Non-governmental organisations
- Community representation.

canterbury.ac.nz/careers/subjects

Study Humanitarian Work:

- Bachelor of Youth and Community Leadership
- Certificate of Youth and Community Leadership

Making a difference in our global sustainability will need the lived experiences of all cultures, building on the diversity of our world views and histories. Our efforts continue to recognise, engage with, and respect Indigenous and local knowledge as critical to effective problem-solving.

This major is for those who want to learn how to engage respectfully and effectively with mana whenua and other Indigenous communities to advance the aspirations of local communities and the goals of sustainability and wellbeing for all.

Be the next generation of kaitiaki and help others to grow.

What will my study involve?

- Learn about Māori and Pasifika relationships with natural resources, and current issues in Aotearoa politics.
- Engage with local communities and iwi through field studies and an internship.
- Customisable major so you can follow your interests, such as activism, policy, natural resource management, business, economics, and health.
- Develop collaboration and leadership values, for example respect and understanding of manaakitanga (hospitality) and whakawhānaungatanga (connections).

Courses

This major will introduce you to a variety of sustainability concepts, and includes unique Indigenous knowledge, Aotearoa history, and cultural and political science.

Courses can include:

- Cultural activism
- Māori and Indigenous development
- Aotearoa politics and policy
- Environmental science and resource management.

canterbury.ac.nz/courses

Career opportunities

Many industries seek out graduates with leadership skills and cultural awareness. This major will teach you how to build relationships and help communities, regions, and businesses transform their cultural values and sustainable practices.

Some career pathways could include:

- Government sectors
- Advisory and project consultancy
- Management
- Communications and stakeholder engagement.

canterbury.ac.nz/careers/subjects

Study Indigenous Knowledge and Sustainable Partnerships:

As a Major:

- Bachelor of Social and Environmental Sustainability

Industrial Product Design

'Industrial Product Design has offered me a range of opportunities, it's a unique combination of design, engineering, and marketing.'

Gursamrath

Bachelor of Product Design in Industrial Product Design

Studying Industrial Product Design will teach you how to design and deliver suitable products that solve problems and generate consumer interest.

Smart phones, sports equipment, drones, furniture, power tools, UX, and UI are all examples of Industrial Product Design. This subject combines creative innovation with technical and business skills.

What will my study involve?

- Gain practical understanding of the product design lifecycle — from research and idea generation through to prototyping, testing, and delivery.
- Cross-disciplinary study including engineering, physics, mathematics, design, and science.
- Access to computer designing software to test, visualise, and communicate your ideas.

- Opportunities to enter in internationally recognised design competitions.

Courses

Your Industrial Product Design studies will include a variety of courses from practical design work to learning the physics and engineering behind creating successful products.

Courses can include:

- Consumer-focused product development, testing, and evaluation
- Portfolio creation and visualisation
- Manufacturing methods and materials science
- Industry projects, designing to client briefs.

canterbury.ac.nz/courses

Career opportunities

Studying Industrial Product Design will give you the skills to work across various industries due to the combination of disciplines you participate in during your studies.

Some career pathways could include:

- Industrial product designer
- Design researcher
- Entrepreneur — set up your own company, generating your own product for market innovation.

canterbury.ac.nz/careers/subjects

Study Industrial Product Design:

As a Major:

- Bachelor of Product Design

Information Systems

‘Information Systems is an exciting and continually growing industry with multiple directions for potential career paths, especially right now here in Christchurch.’

Henry
Bachelor of Commerce in
Information Systems

Information systems and digital technology play a major role in organisations and in delivering products and services. With Information Systems (IS), we can change how we work, communicate, and do business.

IS is about how businesses use information technology to become smarter, better, faster, and achieve their strategic goals. By providing access to information, IS enable organisations to create value, provide solutions to problems, and use technology to innovate and to create new opportunities.

What will my study involve?

- Develop Computer and Information Systems knowledge to address practical problems of how to access information, how to design, develop, and deliver IT solutions, as well as how to manage IS projects, personnel, and resources.
- Learn through internships, group projects, lab work, and extracurricular activities.
- Flexible study options — you can take courses like marketing, accounting, data science, software engineering, management and entrepreneurship, alongside information systems.
- Take part in business and entrepreneurial projects and events and find support at UC’s Te Pokapū Rakahinonga | UC Centre for Entrepreneurship.

Courses

In addition to foundational commerce courses such as accounting, finance, microeconomics, information systems and technology, management, and statistics, you can choose foundational courses in computer programming, computer science, or databases.

Courses can include:

- Business systems analysis
- Business intelligence and analytics
- Web design and development
- Information systems project management.

canterbury.ac.nz/courses

Career opportunities

Information Systems is one of the fastest growing areas for study and employment. It is on the long-term skill shortage list for Aotearoa and there is also a global shortage.

Through your studies, in addition to technical skills, you will learn workplace skills like project management, process management, governance and strategy, communication, and problem-solving.

Some career pathways could include:

- IT project manager
- User experience (UX) designer

- IS/IT consultant
- Business intelligence/data analyst.

canterbury.ac.nz/careers/subjects

Study Information Systems:

As a Major:

- Bachelor of Commerce

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Commerce

Innovation

Innovation is the key to successful business and society, where coming up with new ideas for improvement is a continuous goal. Learn how to develop and commercialise your business ideas into reality.

What will my study involve?

- Develop your entrepreneurial skills with studies on the current global market and latest technologies changing how we do business.
- Group or individual projects and internships with local and national organisations.
- Set up your own business venture or gain experience from industry experts with Te Pokapū Rakahinonga | UC Centre for Entrepreneurship.
- Include Innovation in several degree options to customise your studies with business ideas in particular industries.

Courses

Learn business foundations of managing and financing in the first year, and then go on to specialised courses in identifying opportunities for change, learning how to experiment with ideas, and making practical and marketable results.

Courses can include:

- Competitive markets
- Feasibility and forecasting
- New technologies and tools for innovation
- Practical project work.

canterbury.ac.nz/courses

Career opportunities

With your knowledge in generating ideas, a career in business, technology, entertainment, product manufacturing, community development, and government are all possible with your Innovation degree. These fields of employment are in constant need for innovative thinkers.

Some career pathways could include:

- Business consultant
- Risk evaluator
- Project management
- Product designer.

canterbury.ac.nz/careers/subjects

Study Innovation:

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Commerce

International Affairs

This specialisation combines foreign language with social sciences to understand international relations and political systems. Study in International Affairs opens up your experiences beyond Aotearoa while also examining our bicultural society.

What will my study involve?

- A combination of language, political, and cultural studies.
- A choice in courses based on your individual and industry interests — history, politics, Māori culture, media and communications, and more.
- Opportunity to participate in a range of exchanges with UC's international exchange partners.

Courses

Courses of your choice in this specialisation are designed to give you a range of experiences, to develop knowledge of local and global industries.

In your first and second year, you will be required to complete language courses, with the opportunity to advance your skills in your final year.

Courses can include:

- Domestic and international history
- Identity and ethnicity
- Foreign policy
- Political uprisings.

canterbury.ac.nz/courses

Career opportunities

This degree will build and develop career pathways in foreign affairs and international relations in government and non-government organisations. Skills such as multicultural awareness and communication will make you employable in Aotearoa and overseas.

Some career pathways could include:

- Media and communications
- Diplomatic and international relations
- Public sector
- Foreign policy.

canterbury.ac.nz/careers/subjects

Study International Affairs:

As a Specialisation:

- Bachelor of Arts

International Business

In this subject, you will gain skills and confidence to conduct business in a global, multicultural economy.

What will my study involve?

- Develop cross-cultural business skills with course options towards finance or marketing, and options to learn another language.
- Choose to go on an exchange with an overseas university in your second year.
- Add an International Business minor to your other subjects to prepare for a particular industry that interests you.

Courses

Starting with the basics of end-to-end business, your studies focus on international economics, foreign exchange, trade markets, and global business strategy and operations. You will also be able to complete language courses with your degree.

Courses can include:

- Overseas marketing and strategy
- Tourism industry
- Managing an international franchise
- Regional trade agreements and politics.

canterbury.ac.nz/courses

Career opportunities

Your practical knowledge of international business prepares you for careers on a global scale, whether working on business relations between countries, launching a new venture or product, managing a multinational organisation, or providing advice to expanding companies.

Some career pathways could include:

- International business executive
- Entrepreneur
- Foreign sales representative
- Trade consultant.

canterbury.ac.nz/careers/subjects

Study International Business:

As a Major:

- Bachelor of Commerce

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Commerce

Japanese

Japan is one of the most influential nations in the Asian-Pacific region — culturally, economically, and diplomatically. The nation plays an important role in Aotearoa New Zealand's economy and learning Japanese will be a great asset to your studies.

A study in Japanese will involve more than just reading, writing, and speaking. It will also involve learning the culture and the impact it has on Aotearoa and the world.

What will my study involve?

- Become an expert in Japanese as well as in history and culture with many cultural courses that you can take along with your language courses.
- Exchange programmes with various universities throughout Japan including Bunkyo University and Kwasei Gakuin University.
- Japanese can be studied alongside a range of bachelor's degrees, or you can complete a certificate or diploma in Japanese with other studies.

Courses

First-year courses are introductory level and are designed for those that have no prior knowledge to the language. Further courses will go on to intermediate and advanced-level Japanese studies.

Those with a high-level of Japanese language proficiency may be given direct entry into 200-level courses.

Courses can include:

- Japanese identity and culture
- Japanese film and literature
- Art, architecture, and sculpture
- History.

canterbury.ac.nz/courses

Career opportunities

Knowing languages is a highly sought-after skill. It helps with cross-cultural relationships and allows you to pursue a career in different parts of the world. Many UC graduates have been granted opportunities to continue their studies or careers in Japan.

Some career pathways can include:

- Interpreting and translation
- Tourism
- International relations
- Education.

canterbury.ac.nz/careers/subjects

Study Japanese

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Languages
- Diploma in Languages

Journalism

'What's cool about journalism is that it's essentially a license to ask questions, meet different people, and explore new places.'

Katie

Graduate Diploma in Journalism

Journalism is more than reporting on current events — it is the research and analysis of ethical issues, audience needs, technology, and more — all produced in a fast-moving digital space. Journalism is essential to our everyday lives, and this degree will allow you to enter in this critical work force with the skills learned here at UC.

What will my study involve?

- A strong emphasis on practical learning with content creation for various different media platforms and outlets.
- Opportunity to complete internships in your final year of studies with local newsrooms, print media, and other media industries.
- Flexibility to include various other subjects alongside your journalism studies depending on your personal interests.

Courses

Courses are designed to give you a range of experiences and practice in all aspects of Journalism including research, writing, interviewing, and analysis while applying them to various digital outlets.

Journalism-specific courses begin in your second year after completing broad communications courses in your first year.

Courses can include:

- Digital Media Production
- Risk and Crisis Communication
- Media Law for Journalists
- News Production.

canterbury.ac.nz/courses

Career opportunities

The Journalism major can lead to a range of different careers due to the skills that you learn during your studies, with opportunities abroad because of the fast-growing need for online media.

Some career pathways could include:

- Public relations
- Journalism
- Social media and digital marketing
- Producing.

canterbury.ac.nz/careers/subjects

Study Journalism:

As a Major:

- Bachelor of Communication

Language, Brain and Behaviour

This specialisation is for those who are interested in psychology and language, and develops your understanding of how these shape our behaviour, identity, culture, and wellbeing.

What will my study involve?

- Hands-on testing in the lab to explore how the brain works, using modern computer labs designed for experiments in human performance, human-robot interactions, language cognition, social behaviour, and more.
- Take courses from a wide variety of subjects to customise your study, including psychology, social media, anthropology, and other languages.

Courses

Throughout your study you will explore neuropsychology, language learning, cultural development, and communication of language.

Courses can include:

- Accents, local sayings, and other language diversity
- Lab experiments and psychological testing
- Brain development over the lifespan
- Communication devices.

canterbury.ac.nz/courses

Career opportunities

This specialisation will be of value to anyone wishing to continue on to areas such as language research or teaching, youth development, communication skills training, or development of new language technologies.

Some career pathways could include:

- Language technology development
- Policy development
- Data analysis
- Teaching.

canterbury.ac.nz/careers/subjects

Study Language, Brain and Behaviour

As a Specialisation

- Bachelor of Arts

Latin

Latin is one of the oldest languages in the western world, and many modern European languages such as Italian, Spanish, Portuguese, French, and English share their origins with this ancient language.

Studying Latin gives you an in-depth look at Ancient Rome, whose politics and culture have influenced the systems we use in the modern world today.

What will my study involve?

- Learn about the history and culture of Ancient Rome through its original language, epic poetry, letters, satire, and drama.
- Access to the Teece Museum of Classical Antiquities which contains artefacts, including inscriptions, of direct relevance to the literary world of the Romans.
- Study courses at Te Matatiki Toi Ora | Arts Centre campus, with free transportation available between campuses.

Courses

The beginner Latin courses in the first year include reading Latin and grammar studies. Advanced Latin courses in the later years examine literary works and documents from Ancient Rome in their original language.

Courses can include:

- Great Latin authors, such as Vergil and Cicero
- Graffiti, inscriptions, and everyday Latin
- Translation exercises
- Latin and evolution through modern European languages.

canterbury.ac.nz/courses

Career opportunities

As well as research and conservation work on Rome and the Ancient Mediterranean culture and artefacts, having advanced knowledge of Latin can be of use in industries such as government, law, medicine, and a variety of science fields.

Some career pathways could include:

- Museums and galleries
- Publishing or editing
- Teaching
- Archaeology.

canterbury.ac.nz/careers/subjects

Study Latin

- Certificate in Languages
- Diploma in Languages

Law

‘Studying Law can take you far beyond a court room or a firm.’

Briar

Bachelor of Laws, Bachelor of Arts in Political Science and History, Master of Laws (International Law and Politics)

Studying Law at UC will involve looking at legal systems, policies, cases, legal material, as well as the wider social, political, and historical contexts in which our laws exist.

This degree will give you the ability to think critically, and analyse facts and issues in order to persuade by logical argument.

What will my study involve?

- Work on real issues and cases through internships and community work.
- Take part in mooting, debating, competitions, and other events.
- An important part of your studies will be exploring biculturalism and Indigenous knowledge.

Courses

First-year Law courses introduce you to the foundations of the legal system in Aotearoa, analysis methods, and legal writing and research. You will also take non-law courses that interest you in your first year.

Further study may involve more specialised study including commercial law, Māori land and resource law, criminal justice, and environmental law.

Courses can include:

- Legal Internship
- Serious Financial Crime
- Media Law
- International Law.

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Career opportunities

Through your studies you will learn skills like critical and creative thinking, analysis, writing, editing, and research. These skills will get you ready to work in the legal profession as well as in careers outside of the courtroom.

Some career pathways could include:

- Barrister/Solicitor
- Local government
- Media and communication
- Public sector.

canterbury.ac.nz/careers/subjects

Study Law:

- Bachelor of Laws

Linguistics

‘Linguistics will cause you to look at your language and appreciate it to new levels, and it will also enable you to learn how to understand and make sense of foreign languages without having ever studied them previously.’

Rachel

Bachelor of Arts in Anthropology, Linguistics, and Japanese

Linguistics is the analysis of languages – from structure and how and why languages change, to the way we learn language and our unique way of speaking. By understanding how language is a part of everything we do, you can better understand how communication shapes our identity, relationships, and way of life.

What will my study involve?

- Opportunity to learn from research conducted here at UC.
- UC offers many language studies to complement Linguistics, such as te reo Māori, Chinese, Russian, and Japanese.

- Study a minor in Linguistics within a range of bachelor’s degrees so you can add communication skills and knowledge to other subjects.

Courses

In the first year, you will learn the basics of English language and Aotearoa New Zealand society, before going on to more advanced analysis and research of language meaning and psychology. You will also complete at least one course from a language other than English within your study.

Courses can include:

- The English Language
- Language and Society In New Zealand and Beyond
- Phonetics
- Grammatical Structure.

canterbury.ac.nz/courses

Career opportunities

Because linguistics is a scientific field of study and involves other areas like history and culture, you gain an in-depth understanding of language, how the brain works, and the use of language in our world. You learn skills like analysis, research, innovative thinking, problem-solving, cross-cultural skills, communication, and more.

Some career pathways could include:

- Translation and interpreting
- Marketing
- Proofreading and editing
- Language teaching.

canterbury.ac.nz/careers/subjects

Study Linguistics

As a Major:

- Bachelor of Arts
- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Science

Management

Management involves organising teams of people and boosting business performance. Explore how businesses function, and how you can influence processes, resources, and workers to get the best results.

What will my study involve?

- Study a range of topics and theories of management, including organisational behaviour, how to lead others, manage projects, and drive innovation.
- Consulting projects and internship opportunities in the final year will place you in real-world organisations to work on challenges the organisation is facing.

Courses

Start your degree learning the basics of management and the business environment, developing leadership skills to get your team towards the best long-term performance.

After your first-year courses, you are able to choose from a range of courses depending on the field you want to go towards such as business strategy, corporate ethics, international management, and implementing sustainable practices.

Courses can include:

- Business communication
- Organisational behaviour
- Managing change and innovation
- Business culture and multiculturalism.

canterbury.ac.nz/courses

Career opportunities

Managers are found in every kind of industry, working and coordinating individuals and teams all the way to top-level business positions.

Some career pathways could include:

- Public relations executive
- Business development manager
- Human resources manager
- Strategic analyst.

canterbury.ac.nz/careers/subjects

Study Management:

As a Major:

- Bachelor of Commerce

Other pathways:

- Certificate in Commerce

Māori and Indigenous Health

The Māori and Indigenous Health major combines Indigenous culture and practices with health and social services. You will learn the content and skills to support community healthcare access and health outcomes, in a way that respects their values and identities.

What will my study involve?

- Explore different areas of Māori health and wellbeing: Te Ao Tangata (engaging with Māori communities), Te Ao Hauora (working with health professionals, such as doctors and pharmacists), and Ngā Ratonga Hauora (working with health systems and social services).
- Apply your study skills and support Māori wellbeing directly within local services through a third-year internship.

Courses

You will critically analyse current health services and policies with regards to how they represent Māori, and learn how best to encourage Māori to engage with these.

Courses can include:

- Aotearoa health policies
- Rongoā Māori traditional healing and public health science
- Tino rangatiratanga in health systems
- Māori and Pasifika health statistics.

canterbury.ac.nz/courses

Career opportunities

Your learning and experiences will contribute to health and social services that are more effective and appropriate for Aotearoa New Zealand communities overall.

Some career pathways could include:

- Advocacy and welfare
- Community health liaison
- Health promotion
- Policy analysis

canterbury.ac.nz/careers/subjects

Study Māori and Indigenous Health:

As a Major:

- Bachelor of Health Sciences

Māori and Indigenous Studies

'I have learnt about society, culture, professionalism, and gained insight into how these will work together to prepare me for the workforce.'

Jessica

Bachelor of Arts in Human Services with a minor in Māori and Indigenous Studies, Graduate Diploma in Teaching and Learning (Primary)

Māori and Indigenous Studies is a broad subject that explores the culture, knowledge, and philosophies of Māori and Indigenous peoples, and their economic, political, and social experiences.

These studies are increasingly seen as central to biculturalism in Aotearoa as well as in our global multicultural society.

What will my study involve?

- Study a range of historical and contemporary issues that Indigenous people face, such as their relationship to science and politics, public services, and material culture.
- Aotahi: School of Māori and Indigenous Studies operates as a whānau on campus to help you explore your heritage and identity as an Aotearoa New Zealander.
- Take this subject as a minor in a wide range of bachelor's degrees so you can combine your skills and knowledge from other subjects with mātauranga Māori.

Courses

Courses in this subject are open to everyone, even if you have not experienced Māori culture before. Topics will explore everything from cultural practice, colonial history, racism, and inequality, through to world impact from media, sport, and music.

Courses can include:

- Māori thought, beliefs, and practices
- Aotearoa: Introduction to New Zealand Society
- Tuakiri: Culture and Identity
- Science, Māori and Indigenous Knowledge.

canterbury.ac.nz/courses

Career opportunities

Learning perspectives and history from Indigenous peoples is considered an important and rewarding skill to have, and is often looked for in employees, particularly in countries like Aotearoa and USA, as they have a strong Indigenous presence.

Careers are opening in iwi and other Māori organisations, public health, research, teaching, government organisations, and the wider community.

Some career pathways could include:

- Policy analysis and advisory
- Community development
- Curator and collection management
- Training and professional development.

canterbury.ac.nz/careers/subjects

Study Māori and Indigenous Studies

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Marketing

‘Marketing is such a universal degree, and it can take you in so many directions. It has given me so many more skills than just “marketing”. It helps to build a well-rounded character by improving skills including public speaking, writing and communication, and professionalism.’

Charlotte

Bachelor of Commerce in Marketing, and Finance

Marketing goes beyond advertising and sales pitches — it analyses customer needs to design and produce goods or services that match buyer expectations, or even convinces them to change their buying habits.

UC’s Marketing degree is focused on building your practical skills and includes real-world marketing opportunities.

What will my study involve?

- Learn a wide range of skills, such as advertising products, digital marketing, understanding consumer behaviour, and customer experience.
- Internships and practical projects taken as part of your studies count towards your degree and help enhance your work-ready skills.
- Opportunities to get involved in annual UC-wide competitions, such as inter-university business challenges, entré for young entrepreneurs, and Te Pokapū Rakahinonga | UC Centre for Entrepreneurship that connects you with local businesses.
- Add Marketing study to many of UC’s degrees to learn about customer trends and experiences specific to your business interests.

Courses

The first-year course teaches you the basics of marketing theories and concepts. Further study can include courses that cover everything in creating and analysing marketing for different uses.

Courses can include:

- Customer experience
- Digital marketing
- Tourism, hospitality, and events marketing
- Consumer behaviour and marketing research.

canterbury.ac.nz/courses

Career opportunities

A degree in Marketing prepares you for a career in various different industries or professions that value creative communicators, analytical thinkers, and individuals driven by people and clients. With businesses and technologies constantly evolving, a Marketing graduate will always be sought after.

Some career pathways could include:

- Content creator
- Advertising consultant
- Market trends analyst
- Events management.

canterbury.ac.nz/careers/subjects

Study Marketing:

As a Major:

- Bachelor of Commerce

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Commerce

Mātauranga Māori

Kia hiwa rā, kia hiwa rā.

E ngākaunui ana koe ki te reo Māori me ōna tikanga? E ngākaunui ana hoki, ki te poi poi i ā tamariki/mokopuna hei rangatira mō āpōpō? Ki te pērā, pānui mai.

Do you have a love for te reo Māori me ōna tikanga? Do you have a passion for empowering our tamariki/mokopuna to be tomorrow’s leaders? If you’ve answered yes to these pātai, keep reading.

Te Whare Wānanga o Waitaha is offering a ground-breaking new Initial Teacher Education qualification which prioritises te reo Māori me ōna tikanga, and is founded on mātauranga Māori (Māori knowledge), Māori philosophies, and values. All courses

are imbued with Māori knowledge and pedagogies to prepare kaiako for teaching in the early childhood or primary teaching sector with mātauranga Māori competence. The two main curricula that guide the Mātauranga Māori Pounamu are Te Whāriki and Te Marautanga o Aotearoa informed by the mātā pono of Te Aho Matua. The endorsement is guided by Te Maramataka—ensuring traditional knowledge systems are at its core.

The Mātauranga Māori Initial Teacher Education pathway will equip you to work in whare kōhungahunga (early childhood) and/or kura tuatahi (primary) settings working at level 2 (51–80% te reo Māori immersion) or higher. A graduate of the Mātauranga Māori programme will also have the ability to work in English medium educational settings, where knowledge of te reo Māori me ōna tikanga, bicultural practice, and culturally empowering pedagogies are valued as a means to support child development.

He aha ngā hua?

- Learn in a bilingual, bicultural, whānau-style atmosphere. This qualification is open to all who have a commitment to developing competence in te reo Māori me ōna tikanga. By the third year of the degree, the delivery is level 1 (81+% te reo Māori immersion).
- This is a mixed method style of delivery with content being available online, therefore there is the ability to learn from anywhere. Kanohi ki te kanohi (face to face) delivery will also be included in the programme through scheduled block wānanga each year and one noho marae each year.
- Professional Practice Exploration experiences occur in whare kōhungahunga (early childhood centres) and kura in kaupapa Māori settings throughout your degree.

Ngā akoranga

The Mātauranga Māori endorsement is a part of an undergraduate teaching qualification taught in the Kāi Tahu takiwā. The programme will be initially delivered bilingually and later in a fully immersive te reo Māori environment to strengthen competence and confidence to teach in and through te reo Māori and embed tikanga and mātauranga Māori in daily practice.

For those that enter the programme with a high level of fluency in te reo Māori, you may either have some courses recognised at entry, therefore fast tracking your degree. Or you may choose to take advanced te reo Māori me ōna tikanga courses that will be taught in Summer school, essentially allowing you to complete your degree before 3 years.

UC offers introductory te reo courses over the summer months, before starting your degree, for those that need a stronger foundation to the language.

Courses can include:

- Te reo Māori, tikanga Māori and mātauranga Māori including Te Maramataka
- Māori perspectives of wellbeing including all dimensions; tinana, wairua, hinengaro, whānau and whakapapa
- How to notice, celebrate, and support the unique skills and strengths of our tamariki/mokopuna
- Professional Practice Exploration experiences in kura and whare kōhungahunga.

canterbury.ac.nz/courses

Career opportunities

Kaiako with skills in te reo Māori and mātauranga Māori are highly valued in Aotearoa as we continue to strengthen authentic bicultural practices and inclusivity education. Kaiako that have learnt in a uniquely bilingual and bicultural programme will be sought after internationally, due to their strong culturally responsive underpinnings and understanding of Indigenous teachings.

Strong bicultural knowledge is a great background for work in educational policies, support services, and other fields that involve working with and for young people.

Some career pathways could include:

- Kaiako (teacher)
- Māori education and language consultant
- Education Policy
- Community work.

canterbury.ac.nz/careers/subjects

Study Mātauranga Māori:

- Ako: Bachelor of Teaching and Learning

Mathematics

‘I have fun learning the ways in which numbers can represent the real world.’

Quynh

Bachelor of Science in Mathematics, and Economics

Mathematics is at the forefront of breakthroughs in science, technology, and finance. It has been around for over 4,000 years and is still an innovative subject with new ideas, techniques, and theories constantly being created, tested, and explored.

Being a mathematician puts you one step ahead in preparing for the technological advances of the coming generation.

What will my study involve?

- Study topics such as pure and applied mathematics, modern mathematical theories, key uses, and breakthroughs in mathematical history.
- A wide range of mathematics courses to customise your study and gain skills towards particular career paths.
- Research projects — within UC, and in connection with industry.

Courses

First-year courses cover the basics of advanced mathematics such as calculus and linear algebra, with later courses offering a wide range of topics to choose from, including mathematical philosophy, history, and culture.

We offer introductory maths courses for those who don't have a strong background in maths or statistics.

Courses can include:

- Mathematical modelling
- Dynamic and non-linear systems
- Computational mathematics
- Cryptography and coding theory.

canterbury.ac.nz/courses

Career opportunities

Because maths is used almost everywhere, a Mathematics degree will open up many different career options. Roles in information technologies, finance, business, scientific research, law, teaching, and other fields will make the most of your logical reasoning skills.

Some career pathways could include:

- Technology and product design
- Research mathematician
- Actuary
- Fraud investigator.

canterbury.ac.nz/careers/subjects

Study Mathematics:

As a Major:

- Bachelor of Arts
- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Science

Mechanical Engineering

‘I get to learn about a novel concept one day in a lecture and then the next be able to see it with my own eyes in action.’

Jack

Bachelor of Engineering with Honours in Mechanical Engineering

Mechanical engineers design and develop everything that moves or has moving parts — from airplanes to wind turbines to dishwashers.

What will my study involve?

- Practical courses designing, building, testing, and maintaining mechanical systems.
- Take part in a variety of Research and Development (R&D) projects with industry sponsors, ranging from industrial design manufacturing, biomedical applications, and Unmanned Aerial Vehicles (UAVs).

- Check out clubs like UC Motorsport and Motosoc if you are interested in mechanics.

Courses

From your second year, you will learn how to design parts or whole mechanical systems for different purposes, with later course options to study systems that interest you, for example robotics, energy systems, controls, and more.

Courses can include:

- Computer-aided design (CAD)
- Movement design — aerodynamics, tyre design, traction, suspension, etc
- Mechanical system design
- Materials science and reliability.

canterbury.ac.nz/courses

Career opportunities

Mechanical engineers meet the challenges of our changing world by applying creativity, scientific knowledge, and engineering skills to find solutions to technical problems.

Your experiences will work well in a huge number of industries, from medical to building to transport to power generation.

Some career pathways could include:

- Quality and test engineering
- Machine operations and safety
- Product manufacturing and design
- Engineering consultancy.

canterbury.ac.nz/careers/subjects

Study Mechanical Engineering:

- Bachelor of Engineering with Honours

Mechatronics Engineering

‘It’s been very hands on and I’ve done some really creative design projects. It’s great to wire up the circuits and see everything happen.’

Thomas

Bachelor of Engineering with Honours in Mechatronics Engineering

Mechatronics Engineering combines sensors, software, electronics, and mechanical motors to create innovative new devices.

Almost every system you see and use daily — smartphones, cars, air conditioning units — use a mechatronics system to operate and solve tasks on their own.

What will my study involve?

- Project-based programme, with hands-on skills development and robotics laboratories throughout the degree.
- Final-year project work includes real-world research with UC’s industry partners, including commercial and industrial design.
- Participate in mechatronics research work through summer internships.

Courses

From your second year, courses will cover the basics of creating automated mechatronics systems, with advanced courses looking into designing and patenting products and newer technologies in the field such as micro and nano-electrical systems.

Courses can include:

- Robotics
- Autonomous systems (eg, Unmanned Aerial Vehicles (UAV))
- Machine electronics and motion controls
- Product design.

canterbury.ac.nz/courses

Career opportunities

A Mechatronics Engineering degree can open up careers in a wide range of industries, including robotics, aerospace, chemical, gaming, internet and computers, defence, automotive, and manufacturing.

Some career pathways could include:

- Software engineering
- Machine manufacturing and testing
- Industrial product design
- Smart technologies.

canterbury.ac.nz/careers/subjects

Study Mechatronics Engineering:

- Bachelor of Engineering with Honours

Media and Communication

‘The courses in Media and Communication explore many different areas of media (such as mass media, journalism, new media, and advertisement).’

Kairi

Bachelor of Arts in Media and Communication with a minor in Cinema Studies

Communication shapes the world we live in — whether by media professionals, large organisations, or individuals. By studying Media and Communication, you will learn how to analyse and produce communications and media, and how other people understand it within their own social worlds.

What will my study involve?

- Explore how media builds community, reinforces norms or drives social change, and how consumption of media affects culture, politics, and behaviour.
- Individual and group projects on multiple platforms — digital, television, podcasts, and more.
- Create relationships with professional media guest speakers from industry and benefit from presentations and seminars from guest lecturers from around the world.

Courses

In your first year, you will learn the basics of media and our society, including new forms of communication such as the digital and social media space. Further study can include practical internships in various industries.

Courses can include:

- Media and Society
- Introduction to News and Journalism
- Introduction to Strategic Communication
- Social Media.

canterbury.ac.nz/courses

Career opportunities

Media and Communication prepares you for a career in a communication industry or any profession that values communication with people and clients, from the news media to marketing to government.

Some career pathways could include:

- Communications and public relations
- Social media and digital marketing
- Web and app design
- Journalism.

canterbury.ac.nz/careers/subjects

Study Media and Communication

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Bachelor of Communication

Medicinal Chemistry

Medicinal Chemistry explores the design and creation of new medicinal drugs for the treatment and prevention of illnesses.

This major will take you through the entire lifecycle of creating medicines, from discovering and isolating medicinal agents within natural and synthetic sources, through to clinical trials, sustainable production, patents, and sales.

What will my study involve?

- Study how drugs affect the body, synthetic and organic chemistry, and about the global pharmaceutical industry.
- Practical lab courses synthesising and testing drugs, including an introduction to intellectual property (IP) for designing and patenting your own medicinal products.
- Opportunities to be involved in UC's research in medicinal chemistry, with current research interests focused on the discovery of bioactive molecules for therapies and therapeutic agents.
- UC's programme has a unique focus on the bioactivity of Aotearoa and Polynesian flora and fauna, traditional rongoā Māori medicines, and healthcare issues specific to our bicultural community.

Courses

Good grades in high school chemistry are required for entry into this subject. However, we offer introductory chemistry courses for those who don't have a strong background from secondary school.

Courses introduce you to chemical structures, processes, and their effects on the body, and go on to projects designing and testing your own medicines.

Courses can include:

- Cellular biochemistry
- Human biology
- Clinical trials
- Drug discovery and development.

canterbury.ac.nz/courses

Career opportunities

There is a high demand for more medicinal chemists to create life-changing medicines. As well as practical skills in pharmaceuticals and microbiology, your non-laboratory skills in project management, scientific communications, and marketing will prepare you for roles in both the science and business side of creating medicines.

Some career pathways could include:

- Biomedical laboratories
- Pharmaceutical manufacturing
- Commercial drug marketing
- Drug regulatory authorities.

canterbury.ac.nz/careers/subjects

Study Medicinal Chemistry:

As a Major:

- Bachelor of Science

Other pathways

- Certificate in Science

Music

The music industry has changed a lot in the last 30 years with the explosion of digital technology and changes in society and culture. This has opened up new areas for music professionals, alongside teaching, conducting, leadership, and performing.

At UC, we have a number of ways you can follow your interest in Music. Choose from four specialised majors as part of a Bachelor of Music, take courses towards a major or minor as part of a Bachelor of Arts, or study music as a minor in a wide range of other degrees.

What will my study involve?

- With a Bachelor of Music you can major or double major in Composition, Performance, Music Studies, or Creative Music Technologies.
- Choose from a large range of courses in performance, composition, digital music, world music, music history, musicianship and music theory, and community music.
- Enjoy the unique learning spaces in our Arts Centre location.
- Connect with the community through internships, performances, and collaborative projects.

Courses

Most Music courses are available without any prior experience. Entry to all first-year Performance courses is by application and an audition.

Music courses in your first year will introduce you to the basics of music terminology, including reading, writing, and performing songs, and a first look at the global music industry.

Courses can include:

- Song writing
- Musical culture and performing arts
- Audio and recording technologies
- Performing music through singing or instrument.

canterbury.ac.nz/courses

Career opportunities

The wide range of courses you take during your degree will set you up with skills to perform, create, and critically engage with music and the music industry.

Some career pathways could include:

- Orchestras, choirs, and opera houses
- Festival management
- Journalism and radio
- Digital production.

canterbury.ac.nz/careers/subjects

Study Music:

- Bachelor of Music

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Music Studies

Music is an essential part of all cultures globally. A degree in Music Studies allows you to investigate music from social, political, and community perspectives, examining the role and importance of music now and through history. It also offers the opportunity to investigate music analytically and in-depth.

What will my study involve?

- You will learn about topics such as popular music, musical philosophy, music of the world, musical heritage of the western world, and music in the community.
- Opportunities to take part in internships and collaborative projects throughout your studies.

Courses

First year Music Studies is designed to give you a range of courses that you can choose from depending on your interests. Courses range from game audio production to orchestra arrangements, to Kapa Haka performances, and more.

Courses can include:

- Musical technologies
- Composition and song writing
- World music
- Acoustics and recording.

canterbury.ac.nz/courses

Career opportunities

Music Studies can teach you technical skills in music alongside necessary skills such as communication, project management, and leadership opening you up to a wide variety of career options.

Career pathways could include:

- Festival planning
- Arts administration
- Journalism
- Music teaching.

canterbury.ac.nz/careers/subjects

Study Music Studies:

As a Major

- Bachelor of Music

Natural Resources Engineering

'I want to encourage people to think about how their day-to-day choices affect the environment, and try to have a small footprint on the earth.'

Alise

Bachelor of Engineering with Honours in Natural Resources Engineering

Sustainability is the focus of Natural Resources engineers — that means protecting, improving, and maintaining natural resources such as soil, water, and the atmosphere. This involves renewable energy, regenerative agriculture, and carbon positive cities.

Natural Resources engineers work alongside communities and mana whenua to create solutions for complex and large-scale crises like climate change, housing, and poverty.

What will my study involve?

- Gain experience in understanding and re-imagining sustainable engineering practices.
- Benefit from world-class, high-tech laboratories on campus, and mentorship opportunities with experts in this developing field.
- Fun and engaging programmes, involving field trips and camps.

Courses

You will choose courses towards your Natural Resources Engineering major from second year.

Courses can include:

- Climate change
- Sustainable urban design
- Ecological engineering
- Renewable energy.

canterbury.ac.nz/courses

Career opportunities

Natural Resources engineers are highly sought after and there are plenty of exciting careers including research and academic opportunities in Aotearoa and globally.

Career pathways can include:

- Consulting
- City and regional planning
- Government policy
- Research and Development (R&D).

canterbury.ac.nz/careers/subjects

Study Natural Resources Engineering:

As a Minor:

- Bachelor of Engineering with Honours

Nutrition

Good nutrition is important to maintain everyday wellbeing and to reach peak sporting performance.

During your studies, you will learn how to educate and work with individuals and teams to meet nutritional goals, and prescribe both health and sport specific strength and conditioning programmes.

What will my study involve?

- Build links with sport clubs and similar organisations through internships.
- Identify recommended nutritional practices for athletes, recreational exercisers, and groups with specific nutritional needs.
- Learn the effect of nutritional supplements on sporting performance.

Courses

Courses will introduce you to benefits of nutrition on performance, general wellbeing, and rehabilitation.

Courses can include:

- Nutrition prescription
- Sports supplements and medicine science
- Recovery monitoring
- Advanced strength and conditioning practices.

canterbury.ac.nz/courses

Career opportunities

Professional knowledge of healthy eating, nutrient timing, and the appropriate use of nutritional supplements will enable you to pursue a rewarding career helping others with their health and wellbeing goals, and to achieve their best athletic performance.

Some career pathways could include:

- Fitness or Strength and Conditioning coach
- Nutritional advisor/Nutritionist
- Health advisor and educator
- Corporate wellness consultant.

canterbury.ac.nz/careers/subjects

Study Nutrition:

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Sport Coaching

Operations and Supply Chain Management

‘My studies helped me better understand the overall picture and why my job is important as part of the process. It has taught me time management, organisation, efficiency, and accuracy are key, as well as adaptability and forward thinking in the supply chain context.’

Tanisha (Ngāti Raukawa)

Bachelor of Commerce in Operations and Supply Chain Management, Strategy and Entrepreneurship, and Management

Operations and Supply Chain Management involves bringing together organisational resources (people, money, materials, and buildings) for the production of goods or services. Fundamentally, supply chain management is about matching the supply of resources and goods with the demands of the marketplace.

Operations and supply chain managers make sure the processes are smooth, efficient, and sustainable, and are always thinking of ways to make improvements.

What will my study involve?

- Courses focus on issues such as operations strategy, performance management, procurement and distribution, product and process design, and inventory management.
- Investigate answers to questions such as: how do you make sure that people, money, materials, and buildings are used efficiently across the whole organisation? How can we ensure that our organisation is successful in achieving its goals?

Courses

First year will cover a range of management, economics, accounting, and information systems courses.

Courses can include:

- Management decision making
- Supply chain management
- Strategic operations
- Micro and macroeconomics.

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Career opportunities

You will learn to focus on the details of the process and use skills like cross-communication, collaboration, time management, innovating thinking, and future planning to create an end result.

With these skills, you will be able to take on a wide range of roles from logistics to risk management.

Career pathways can include:

- Operations management
- Production and distribution
- Risk forecasting
- Procurement analysis.

canterbury.ac.nz/careers/subjects

Study Operations and Supply Chain Management:

As a Major:

- Bachelor of Commerce

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Pacific Studies

There are many unique cultures that make up the Pacific region — a community of explorers with strong traditions and identity. You will navigate through the history of the Pacific Ocean, and beyond into modern day issues of politics, climate change, and economic relations between the islands, Aotearoa, and the Asia-Pacific region.

What will my study involve?

- Learn about the history of the Pacific, the unique cultures that make up the region, and the politics of its surrounding nations.

- Examine Pasifika artefacts with UC's Te Puna Rakahau o Macmillan Brown Macmillan Brown Library, containing original works dating from the 18th century including art, literature, and photographs.

Courses

These courses introduce you to all aspects of Pasifika culture, from navigating the Pacific through to relations with neighbouring nations and foreign policies.

Courses can include:

- Polynesian migration, myth, and culture
- Colonisation
- Pacific identity throughout history
- Politics within the Asia-Pacific.

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Career opportunities

The Pacific region is continuing to grow its international participation and cultural influence, in a time known as 'the century of the Pacific'. Aotearoa has strengthening connections with the Pacific islands and our political and multicultural identity is also changing as a result, so there are many different careers this study can lead you to.

Some career pathways could include:

- Community development
- International relations
- Archive curation and conservation
- Education.

canterbury.ac.nz/careers/subjects

Study Pacific Studies

Cannot be studied as a major or minor, but you can take these courses as part of any degree.

Painting

Painting studies explores a range of techniques through different styles, tools, and practice, both traditional and contemporary. You will discover different materials and learn about the role emotion and meaning plays for both the painter and the viewer.

What will my study involve?

- Create a body of work and reflect critically on the development of your own style.
- Enjoy 24-hour access to your own personal studio space from second year.
- Work in purpose-built studios, workrooms, darkrooms, and computer labs, and have access to technician workshops and the Ilam Campus Gallery.

Courses

The first year of the degree introduces you to studio practice and critical thinking of fine arts. Courses towards the Painting major begin in your second year, and allow you to develop your painting technique with many self-directed projects.

Courses can include:

- Practice and theory of painting
- Art criticism
- Art and revolution
- Contemporary art.

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Career opportunities

You will learn skills beyond the practical processes of painting. Gain critical analysis, teamwork, communication, and organisational skills that will help you in your future career.

Some career pathways could include:

- Professional Artist
- Art conservation
- Art consulting
- Art gallery management.

canterbury.ac.nz/careers/subjects

Study Painting:

As a Major:

- Bachelor of Fine Arts

Performance

Music studies in Performance develops creative ideas and expressive skills through all styles of music. With rapid growth and cultural shifts in the music industry, professional artists need the skills to be flexible and adaptive performers.

Developing your musical abilities at UC is a unique opportunity to learn from professionals and connect with other musicians and the local arts scene.

What will my study involve?

- Learn through individual lessons and group classes in a wide range of musical instruments and voice.
- Take advantage of opportunities to join large and small ensembles and the UC Chamber Choir, Consortia.
- You will have plenty of opportunities to perform publicly, with 100+ concerts hosted on campus each year.

Courses

Your first year will teach you essential skills such as sight-reading music and understanding rhythm and tempo, as well as working with an accompaniment and in small or large groups. You will also develop in-depth technical and performance knowledge for your specific instrument or voice.

Courses can include:

- Performance
- Chamber choir
- Ensemble
- Art of accompaniment.

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Career opportunities

People with strong musical talents are always highly sought after by event organisers and arts businesses.

Some career pathways could include:

- Choirs and orchestras
- Musical theatre
- Music therapy
- Event management.

canterbury.ac.nz/careers/subjects

Study Performance:

As a Major:

- Bachelor of Music

Performance Analysis

Performance Analysis examines sport and athletic activity to help forecast future results.

Learn to use a range of modern equipment, tracking tools, and software to analyse data and create a game plan for coaches and athletes.

What will my study involve?

- Gather data and identify patterns to understand the strengths of your athlete or team as well as competitors.
- Complete internationally recognised performance analysis software accreditation.
- Opportunity for an internship working in a professional sporting organisation conducting performance analysis tasks, learning about management structures, organising events, and participating in other activities.
- Study a minor in Performance Analysis in a wide range of bachelor's degrees to complement your studies or explore sports theory for your own enjoyment.

Courses

Courses cover a wide range of subjects that will introduce you to sport theories and techniques, athlete health, body functions and movement, and data collection and analysis.

Courses can include:

- Sport psychology
- Biomechanics and tactical movement
- Anatomy and physiology
- Practical coaching placements.

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Career opportunities

You will gain a strong grounding in highly valued skills in the workforce, including leadership, communication, project management, and teamwork.

Some career pathways could include:

- Performance analyst
- Sport scientist
- Personal trainer
- Data analyst.

canterbury.ac.nz/careers/subjects

Study Performance Analysis:

As a Major:

- Bachelor of Sport Coaching

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Sport Coaching

Philosophy

'I've found the writing style you learn in Philosophy suits policy well.'

Matthew

Bachelor of Science in Philosophy and Statistics, Bachelor of Arts in Economics

Philosophy teaches you how to think rationally and carefully about complex questions such as: are killer drones immoral? What about genetic engineering? Should rich countries give substantially more in overseas aid? Is time travel possible?

These skills are of real value in the workplace and help in other study areas by encouraging you to look at a problem from all angles and find out-of-the-box solutions.

What will my study involve?

- You can choose to specialise in areas such as ethics, bioethics, philosophy of science and technology, cognitive science and the mind, artificial intelligence, language, and more.
- There are specialised courses on famous figures such as Plato, Descartes, Wittgenstein, and Turing.
- Choose to add an internship to your study, gain work experience, meet potential employers, and build your CV.
- Study Philosophy as a major or minor alongside several degrees.

Courses

First-year courses cover a broad range of topics to get you thinking critically about the world we live in.

Courses can include:

- Science: Good, Bad, and Bogus
- Philosophy and Human Nature
- Ethics Today
- God, Mind, and Freedom.

canterbury.ac.nz/courses

Career opportunities

The intellectual skills that Philosophy teaches leads to success in many different careers. Many sectors increasingly require people who can think independently and creatively, write clearly, apply logic, solve abstract problems, and communicate precisely.

Career pathways can include:

- Environmental advisory
- Ethics and policy
- Video game design
- Research management.

canterbury.ac.nz/careers/subjects

Study Philosophy:

As a Major:

- Bachelor of Arts
- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Science

Philosophy, Politics and Economics

If you like to think about the problems and complexities of society, then consider this combination of subjects to develop a multidimensional way of seeing things.

You will learn about political institutions and economic systems, while exploring philosophical fundamentals of ethics and technology, and their impact on individuals and the wider public.

What will my study involve?

- Pick from a variety of courses and customise your study, with examples such as political parties and elections, environmental policy, humanitarian intervention, science and technology policy, and international security and international relations.
- Complete an internship or practical project in your final year reflecting your specific interest topics.

Courses

Each year of the degree, you will be able to choose your study focus based on your interests in politics and justice, ethics and morality, and economic systems.

Courses can include:

- Global economy
- Humanitarian politics and justice
- International trade policies
- Black markets and international policing.

canterbury.ac.nz/courses

Career opportunities

This study provides you with vital skills for many national and international political institutions that make decisions about our world economy, from energy supply to imported goods to sustainability.

Some career pathways could include:

- Non-profit organisations and charities
- Policy advisory
- Parliament
- City councils.

canterbury.ac.nz/careers/subjects

Study Philosophy, Politics and Economics:

As a Specialisation

- Bachelor of Arts

Photography

Studies in Photography explore photography as a device for communicating information, ideas, and personal insights, and introduce you to the basic materials and processes of photographic practice.

What will my study involve?

- Explore photographic techniques, and create your own body of work.
- From second year, you will have access to your own personal 24-hour access studio space.
- Use darkrooms, computer labs, workshops, and the Ilam Campus Gallery.

Courses

First year courses will teach you the basics of studio practice and fine arts. In the second year, you will move onto examining different devices, materials, techniques, and historical influences.

Courses can include:

- Photography practice
- Photos in history and art revolution
- Editing software and photography hardware
- Film and theory.

canterbury.ac.nz/courses

Career opportunities

Studies in photography give you unique abilities in communicating information, finding details, and working with a range of people, technologies, and projects.

Some career pathways could include:

- Photography
- Art gallery management
- Photojournalism
- Documentary production.

canterbury.ac.nz/careers/subjects

Study Photography:

As a Major:

- Bachelor of Fine Arts

Physical Activity

Studying Physical Activity at UC focuses on developing the skills and knowledge needed to help people and communities make healthier choices and become more physically active.

What will my study involve?

- Choose from a variety of health and sport courses such as nutrition, injury and rehabilitation, sporting culture, and team coaching.
- Complete your studies through lectures, practical workshops, assessments in labs and in the field.
- This subject can be studied as a minor under many different degrees and can be combined with your other study interests.
- You can follow up your studies with a one-year teaching degree to become a qualified health or physical education teacher.

Courses

Throughout your Physical Activity studies, you will be introduced to the biomechanics of exercises, explore the benefits of physical activity on the body, delve into the sociology and culture of sport, and more.

Courses can include:

- Exercise physiology theory and practice
- Nutrition programme development
- Injury prevention, treatment, and management
- Anatomy science.

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Career opportunities

Studying Physical Activity is a great choice for anyone wanting to help with common health issues and attitudes to fitness. Study in this area will give you the technical knowledge of exercise and movement science, as well as the management and teaching skills to support people in their wellbeing.

Some career pathways could include:

- Health promoter
- Physical education
- Sports programme coordinator
- Community support worker.

canterbury.ac.nz/careers/subjects

Study Physical Activity:

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Health Sciences
- Diploma of Health Sciences

Physical Education

By studying Physical Education you will develop a range of professional, interpersonal and intrapersonal skills that prepare you for entry into a physical education teaching qualification. These skills are also transferable across a wider range of careers in sport, health, recreation, and physical activity.

What will my study involve?

- Practical courses, field trips, and a 120-hour internship working in a school or professional sporting workplace.
- Optional courses ranging from individual and team sports, health and wellbeing, physical activity and recreation, and adventure sports.
- This major is a recognised pathway to physical education and health teaching when combined with a one-year graduate teaching qualification.

Courses

First year courses will introduce you to the fundamentals of teaching, coaching, sport science, and sociology of sport.

Courses can include:

- Sport and society
- Anatomy and physiology
- Health education
- School curriculum for PE.

canterbury.ac.nz/courses

Career opportunities

Physical Education knowledge prepares you for a variety of careers, including teaching PE, health, wellbeing, and sexuality at primary and secondary schools and beyond.

Some career pathways could include:

- Primary (PE specialist) or secondary PE teacher
- Community/school PE advisor
- Sport development officer
- Sports coach.

canterbury.ac.nz/careers/subjects

Study Physical Education:

As a Major:

- Bachelor of Sport Coaching

Other pathways:

- Certificate in Sport Coaching

Physics

‘UC caters to many areas of Physics and Mathematics so if you are also curious and want to explore more of the physical world then studying those subjects is a great place to start.’

Toby
Bachelor of Science in Physics,
and Mathematics

Physics explores the behaviour between matter and energy – from subatomic particles to the scale of the universe. Technology and physics go hand-in-hand, and they improve our lives massively. From computers, architecture to agriculture, modern life is built using the understanding of physics.

Studying this field will prepare you to contribute to major advances in technology now and in the future.

What will my study involve?

- Gain practical skills in lab experiments, fieldwork, and computing. In our state-of-the-art facilities including a nano lab, super conduction magnet lab, cloud chamber, and cryogenics lab.
- UC has contributed much to the global study of physics with alumnus like Ernest Rutherford and Beatrice Tinsley, with current research at UC including Medical Physics, Nanotechnology, Cosmology and more.

Courses

Your first year will give a broad foundation in modern physics and expand in the following years with training in programming, lab skills, scientific writing, and mathematics.

Good grades in physics and calculus are required for entry into this subject. However, we offer introductory courses for those who don't have a strong background in physics or maths.

Courses can include:

- Space and time
- Materials science – thermodynamics, electromagnetism, and more
- Quantum mechanics
- Experimental physics and astronomy.

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Career opportunities

Understanding how almost everything works opens up job opportunities in many industries, ranging from experimental research to scientific consulting to building new technology.

Some career pathways could include:

- IT and Electronic industries
- Aerospace
- Science Centres/Museums
- Research and Development (R&D).

canterbury.ac.nz/careers/subjects

Study Physics:

As a Major:

- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Science

Political Communication

Political Communication is about how we gather, analyse, and translate data on political topics such as international relations, public health risks, economical change, and foreign crises, in order to pass key information along to the public and other stakeholders.

This major is ideal if you want to be a direct part of the political process and help advance social change.

What will my study involve?

- Lead your own industry project or internship within the community.
- Choose courses that shape your communications skills and political knowledge, for example in international politics and relations, economics, languages, and more.

- Gain training in ethical media practice, including engaging communities, advocacy campaigns, and data analytics.
- Learn from UC's internationally renowned experts in political science, especially in areas such as humanitarian rights and intervention, EU and European politics, Chinese politics, and crisis communications.

Courses

First year will give you a broad introduction to media and communication. From second year, your courses will focus on communicating politics and learning how media can impact public opinions.

Courses can include:

- Media and politics
- Risk and crisis communication
- Reporting on conflict
- Strategic campaign development.

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Career opportunities

Skills in communicating complex information, analysing opinions, and researching important topics will prepare you well for roles in government, non-profit, corporate, and creative communication industries.

Some career pathways could include:

- Political journalism
- Campaign management
- Data analysis
- Communications.

canterbury.ac.nz/careers/subjects

Study Political Communication:

As a Major:

- Bachelor of Communication

Political Science and International Relations

Political Science and International Relations is the study of our communities and how we make decisions collectively as governments, why we behave as we do as citizens, and how we make choices and changes for the future.

What will my study involve?

- Analyse how social change happens and how power and resources are allocated, with issues such as development, human rights, environment, nationalism, and foreign policy.
- Study topics are grouped into four broad pathways: international relations, comparative politics (the study of other nations), public policy (how we make choices as communities), and political thought.
- Work with lecturers that are internationally recognised for their academic research and teaching strengths.
- Study Political Science and International Relations minor alongside several degrees.

Courses

First year courses cover a wide variety of topics across Aotearoa and international politics designed to introduce you to analysing political systems and societies. After the first year, you will choose the direction of your political science studies with courses on economic and social development, international relations, philosophy, and many more.

Courses can include:

- Public policy
- Aotearoa international relations
- Political revolts and uprisings
- Global politics and issues (aid, climate change, humanitarianism).

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Career opportunities

You will gain a versatile set of skills that can be applied in a wide range of exciting careers both within politics and in more diverse areas such as law, business, education, and journalism.

Some career pathways could include:

- Policy analysis
- Parliamentary office
- Foreign affairs
- Diplomacy.

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Study Political Science and International Relations:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Population Health Data Science

Population Health Data Science explores the relationships between the physical environment and our health by using data to find patterns and potential solutions to health problems.

This includes using geomapping health data for air quality in urban areas, mapping disease outbreak in cities, and calculating traffic accidents.

What will my study involve?

- Gain skills in gathering, analysing, and presenting data that can be used in a range of health applications — mapping disease outbreaks, finding sources and spread of pollution, and more.

- Complete practical workshops using data science technologies, and a final-year project working alongside local organisations on public health issues.
- Access to state-of-the-art computer and software labs with UC's connections with Manawa Health Hub and research centres such as Te Taiwhenua o te Hauora | GeoHealth Laboratory.

Courses

You will begin your studies learning the basics of data science and geomapping software, and investigate the ways environment and population can affect health and wellbeing of communities.

Courses can include:

- Origin, distribution, and patterns in disease
- Emergency and risk modelling
- Spatial data technologies
- Economic, social, and cultural processes.

canterbury.ac.nz/courses

Career opportunities

Data scientists are in demand as it is an area of work that faces significant skills shortages globally.

A study in Population Health Data Science will provide students with a strong foundation in health sciences with data science methodologies. With environmental and economic changes affecting the globe, your skills in this degree will help combat our rising health challenges and environmental contamination.

Some career pathways could include:

- Health researcher
- Intelligence advisor
- Data scientist
- Disaster response advisor.

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Study Population Health Data Science:

As a Major:

- Bachelor of Data Science

Power Engineering

‘The EPE Centre organises annual field trips to either the North or South Island to visit parts of the power industry. It provided me with valuable knowledge and insight to the industry early on in my studies.’

Danny

Bachelor of Engineering with Honours in Electrical and Electronic Engineering with a minor in Power Engineering

Studying the Power Engineering minor will allow you to learn about power distribution and use.

Explore different forms of power, specialised systems such as renewable energy, and how power is created.

What will my study involve?

- Practical courses learning about distributing power, building electrical devices, and testing system safety.
- Projects studying, creating, and testing electrical systems like electric go-karts.
- Field trips and research projects through UC’s Electric Power Engineering Centre (EPECentre).

Courses

This minor is available alongside the Bachelor of Engineering with Honours in Electrical and Electronic Engineering. This minor covers the basics of how power is created, stored, and distributed through devices, and explores new renewable energy technologies. Your Power Engineering courses begin in the second year.

Courses can include:

- High voltage testing
- Bulk electrical energy
- Power and analogue electronics
- Circuits and thermal management.

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Career opportunities

Power engineers will find a lot of work opportunities because of their expertise in both power and energy engineering. Their skills are used in many industries related to the electric power industry.

Some career pathways could include:

- Power transmission and distribution companies
- Electrical manufacturing
- Government entities and regulators
- Electricity service providers.

canterbury.ac.nz/careers/subjects

Study Power Engineering:

As a Minor:

- Bachelor of Engineering with Honours

Primary Teacher Education

‘The degree gave me the theoretical knowledge I needed to get through my three years of study, but also the practical experience.’

Thomas

Bachelor of Teaching and Learning (Primary)

Primary teaching allows you to encourage and discover children’s lifelong potential and make a real difference to their lives. If you are energetic, creative, and enjoy working with kids, teaching is the right career for you.

What will my study involve?

- Develop fundamental skills, from planning lessons to managing the classroom.
- Learn the Aotearoa curriculum and teach primary school subjects including maths, English, social studies, science, health and PE, art and music, technology, and mātauraka mātauranga.
- Professional practice placements in schools around Aotearoa so you can experience teaching students alongside an experienced teacher.

Courses

Primary Teaching courses explore the ways children learn, your professional identity as an educator, and educational culture in Aotearoa.

Our Primary qualifications have four basic components:

Professional Studies and Education

Courses address areas such as observation, communication, interaction, management, planning, and practical teaching skills; aims and purposes of education, child development; teaching and learning; classroom management; assessment; the Aotearoa New Zealand education system; and socio-political and cultural contexts.

Professional Practice

The time spent working in a classroom provides a supportive context in which you can trial and refine your planning, teaching, and relational skills. Professional Practice initiates you into the complexities of the teacher’s role within the classroom, the school, and the wider community. There are two blocks of Professional Practice in schools each year of the Ako: BTchLn. Part-time students have one block each year and usually take six years to complete the degree. During your Professional Practice, you will spend approximately eight hours a day working alongside an experienced teacher.

Curriculum Studies

These include all curriculum subjects that you will be expected to teach: English; art, music, drama, and dance; health and physical education; mathematics; science; technology; social studies; and learning languages. Courses will also provide opportunities to design cross-disciplinary and project-based learning experiences.

Te Mana o Te Tiriti o Waitangi

Courses will focus on obligations to Te Tiriti o Waitangi. This includes year-long courses to learn te reo Māori and tikanga Māori for teaching.

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Career opportunities

A Primary Teaching degree opens up teaching and management job opportunities in primary, intermediate, middle, and area schools. You will also have transferable skills to roles outside of teaching that involve knowledge of education and learning as well as working with young people.

Some career pathways could include:

- Primary teaching in schools or kura
- Education policy
- Community and youth work
- Advocacy.

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Study Primary Teacher Education:

- Ako: Bachelor of Teaching and Learning
- Graduate Diploma in Teaching and Learning
- Postgraduate Diploma in Teaching and Learning
- Master of Teaching and Learning

Professional and Community Engagement

Professional and Community Engagement (PACE) studies involves working on projects, or in internships, with businesses and community organisations.

PACE is an ideal complement to your degree — you gain real workplace experience and utilise the skills you have learned in classes to start building your CV while studying and gaining credit. You will learn to provide productive outcomes, develop strategies, and enhance your communication skills, while increasing your employability in the process.

It doesn't matter what degree you are studying at UC, PACE is open for you to enrol.

What will my study involve?

- You will be matched with your internship project based on your studies and your interests. Past students have completed over 300 internship projects, from media strategy development, event organisation, marketing, fundraising, health advocacy, environmental advice, policy analysis, and more.

- With access to Ōtautahi Christchurch central business district, you are able to get involved in social media strategies, public art events, urban transformation projects, GIS mapping, event management and more. Nowhere else in Aotearoa would you get so much exposure to social innovation and entrepreneurship, the chance to reshape a city, and create meaningful and personalised environments that make a difference to the community you live in.

Courses

From 200-level, you can add a workplace project or an internship to your studies.

Courses can include:

- Workplace Skills and Corporate Social Responsibility
- Internships at 200-level onwards.

canterbury.ac.nz/courses

Career opportunities

PACE students have an edge over other graduates. You have the chance to take the skills learned in the classroom and apply them to a real workplace. Learning to identify the strengths you bring to the workplace and understanding how your degree has prepared you to work with local and international communities will give you the confidence you need to enter your new career.

canterbury.ac.nz/careers/subjects

Study Professional and Community Engagement:

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Psychology

'Psychology makes you realise how incredibly complex and intricate but also how fragile our brains are, and how much impact one change can have.'

Cameron

Bachelor of Science in Psychology,
Master of Science in Psychology

Psychology is the scientific study of behaviour and associated biological, cognitive, and social processes in humans and other animals.

Studying Psychology will explore how the brain works, and looks into theories to gain an understanding of behaviour in individuals and groups.

What will my study involve?

- Explore a range of psychopathologies such as anxiety, depression, and addiction with leading experts and researchers at UC.
- Practical lab work where you will be able to perform various physical assessments.
- UC has a Psychology Clinic where you can receive training, and has working relationships with Te Poari Hauora o Waitaha | Canterbury District Health Board, and Ara Poutama Aotearoa Department of Corrections, offering opportunities for research and clinical internships.
- Psychology can be studied in many bachelor's degrees, can be customised to your specific preferences, and complement your other studies.

Courses

Begin your studies with the fundamental basics of psychology — the science of the brain and of personality. Later you will learn more in-depth topics in psychology and develop your data and analytical skills.

Courses can include:

- Brain biology
- Social change and learned behaviours
- Neurodiversity
- Forensic and criminal psychology.

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Career opportunities

Psychology is a rapidly growing industry as it touches on many aspects of human life. Studying Psychology at UC will open up careers in many different fields due to the unique set of skills you learn. Further postgraduate study can lead to professional registration as a clinical psychologist.

Some career pathways could include:

- Police, corrections, and other public sectors
- District Health Boards
- Public relations and marketing
- Social service agencies.

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Study Psychology:

As a Major:

- Bachelor of Arts
- Bachelor of Health Sciences
- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Health Sciences
- Certificate in Science
- Diploma in Health Sciences

Public Health

‘If you’ve got a lot of ambition then definitely give Health Sciences a go! There are so many ways to improve the health and wellbeing of people, and this degree provides an opportunity to do so on a large scale.’

Romana

Bachelor of Health Sciences in Public Health and Policy

Public Health is the study of human health and wellbeing, specifically in how we promote health within populations and protect them from risks such as epidemiology, and health evidence and evaluation.

What will my study involve?

- Gain a strong foundation in health sciences, with detailed knowledge in public health, including impact and ethics.
- Take a look at how health programmes are delivered through an internship course in your final year.
- On successful completion of your degree, you will meet the Aotearoa New Zealand competencies for public health, and health promotion (endorsed by Runanga Whakapiki Ake i te Hauora o Aotearoa | Health Promotion Forum of New Zealand).

Courses

First year courses will introduce you to the global health challenges we face. Topics will include health and development, environmental change, chronic conditions, and infectious diseases.

Courses can include:

- Global health
- Health systems and policy
- Environmental and occupational health
- Health planning and promotion.

canterbury.ac.nz/courses

Career opportunities

This subject prepares you with the skills needed to work in the public health sector or community development, and be part of multidisciplinary teams.

Some career pathways could include:

- Public health advisor
- District health board manager
- Māori and Pasifika health organisations
- Public health analyst.

canterbury.ac.nz/careers/subjects

Study Public Health:

As a Major:

- Bachelor of Health Sciences

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Health Sciences
- Diploma in Health Sciences

Russian

Russian is spoken by over 150 million people, and is one of the six official languages of the United Nations. The opening of Eastern Europe and the former Soviet Union since the Cold War has seen growth opportunities in independent trade, the entertainment industry, and international business.

For the first time, direct business contacts have become possible between Aotearoa and Russia, opening many career possibilities for experts and speakers of Russian.

What will my study involve?

- Learn Russian language and take courses in Russian history covering its full extent from the middle ages to the present day, including literature, film, and culture.
- Take part in an exchange programme with the School of Translation and Interpretation at Moscow State University (MSU), the oldest and largest university in Russia.
- Study the only major in Russian in Aotearoa, or combine a minor in Russian with a wide variety of bachelor's degrees.

Courses

Our language courses are introductory, teaching elementary-level Russian through to advanced level. From second year, you can begin classes that explore the social, political, and cultural history of Russia, such as the Space Race and aerospace engineering.

Courses can include:

- World War history
- The Tsardom of Russia
- Stalinism
- Russia and 21st century politics.

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Career opportunities

By learning a second language, you open yourself up to a wide variety of careers within Aotearoa and abroad. Russian in particular presents a unique opportunity to be a part of one of the most populous European countries that continues to make world history.

Some career pathways could include:

- Translation and interpreting
- International relations
- Foreign policy
- Journalism.

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Study Russian

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Languages
- Diploma in Languages

Sculpture

With Sculpture studies, you will explore time, space, and context behind crafted objects. Build your artistic practice through the use of different materials, processes, theories, and contemporary techniques.

What will my study involve?

- Create your own body of works and sculptural projects.
- From second year you will have 24-hour access to your own studio space where you are able to explore your personal and academic creativity.
- Make use of purpose-built studios, workrooms, technical workshops, and the Ilam Campus Gallery.

Courses

You will start your degree learning the basics of fine arts theory and studio practice, before beginning Sculpture from second year and learning to use different materials and processes.

Courses can include:

- Sculpture practice
- Great sculptural works in history
- Technical workshop hardware
- Audience observation and influence.

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Career opportunities

Along with experience and technical skills working with different tools and materials, university studies in Sculpture give you an opportunity to make industry connections, explore Aotearoa art spaces, and be exposed to new areas so you can grow your practice in new ways.

Some career pathways could include:

- Sculpting
- Designing
- Art gallery management
- Art consulting.

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Study Sculpture:

As a Major:

- Bachelor of Fine Arts

Secondary Teacher Education

Secondary Teacher Education offers you an exciting and rewarding career teaching and creating a positive impact on the youth of Aotearoa, in particular subjects of your choosing.

To complete this subject, you will need to already have an Aotearoa New Zealand bachelor's degree.

Qualify for registration as a secondary school teacher with three postgraduate degree programmes offered at UC.

What will my study involve?

- Key skills in managing a classroom, presenting lessons, and supporting the different ways people learn.
- Focus your teaching on your intended secondary school subject from a wide range of options — art to chemistry to te reo Māori.
- Multiple placements in secondary schools around Aotearoa so you can work with practicing teachers, meet principals, and teach directly to students.

Courses

UC's secondary teaching degrees include professional teaching practice, learning methods, NCEA assessment standards, and teacher preparation in your specialised teaching subject – mathematics, geography, health, and more.

Secondary Teacher Education is made up of courses in the following areas of study:

Professional Inquiry

Where you learn about teaching, including professional codes and standards, ethics, learning theories and approaches, fostering positive relationships and learning environments, and the political, social, cultural, and historical contexts of secondary education; focusing on learners as members of whānau and communities; bicultural education and culturally responsive and sustaining practice; learner development and inclusive education.

Teaching Practice

The school-based requirement of the programme is where you'll gain skills and experience in the classroom.

Curriculum Studies

Courses focus on the essential learning areas of the New Zealand Curriculum, including curriculum statements, subject assessment standards and practices, teaching approaches, and curriculum resources. They also focus on contemporary curriculum developments and approaches for integrated teaching and learning across subjects.

You will hone your skills for teaching, including communication and presentation skills, design for learning, managing positive learning environments, and use of ICT in education and e-learning.

Secondary Teacher Education – major subjects

For our secondary teacher qualifications, you will need to choose a teaching subject and have an academic background in this subject. Your teaching subject is chosen from those taught at junior and senior secondary levels.

You will focus on your specialist teaching subject (which you will preferably have studied to 300-level). It is also a good idea to pick up an additional teaching subject, for which you have a background of study to 100 or 200-level (depending on the subject).

We offer the following specialist teaching subjects:

- Biology with Science
- Classical Studies with Social Studies
- Chemistry with Science
- Commerce with Business Studies
- English
- Geography with Social Studies
- Health with HPE
- History with Social Studies
- International Languages
- Mathematics
- Music
- Outdoor and Environmental Education with HPE
- Performing Arts
- Physical Education with HPE
- Physics with Science
- Te Reo Māori
- Technology
- Visual Arts.

Secondary Teacher Education – additional subjects

For our secondary teacher qualifications, you can choose an additional teaching subject, for which you have a background of study to 100 or 200-level (depending on the subject).

Additional teaching subjects are usually junior subjects (years 7–10), these include:

- Business Studies
- English
- HPE (Health and PE)
- International Languages
- Mathematics
- Music
- Performing Arts
- Science
- Social Studies
- Te Reo Māori
- Technology
- Visual Arts.

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Career opportunities

After completing one of our programmes, you will be eligible to apply for provisional registration as a secondary school teacher and can apply for teaching positions in Aotearoa New Zealand schools and in many countries around the world.

A teaching degree also prepares you for roles in school leadership, business management, and services that involve training and working with youth and other people.

Some career pathways could include:

- Secondary teaching
- Public sector
- Human services
- Industry training.

canterbury.ac.nz/careers/subjects

Study Secondary Teacher Education:

- Graduate Diploma in Teaching and Learning
- Postgraduate Diploma in Teaching and Learning
- Master of Teaching and Learning

Social Action, Community and Global Development

Help solve some of the major issues we are facing globally with studies on environmental, social, and political change.

Learn how to create campaigns that deal with problems caused by the ways we interact with the environment, from the hunger crisis to global poverty, renewable energy to pollution, city development to climate change, and many more.

What will my study involve?

- Develop real social movements and awareness projects through an internship.
- Study a wide range of optional courses from sociology and psychology, politics, international relations, media, geography, environmental studies, community development, and more.

- Customisable major so you can follow your interests on global or local social issues, communities, and environmental problems.

Courses

Choose from a variety of courses in subjects that introduce you to sustainability issues and how to create solutions to these, whether through official channels, media awareness, community engagement, or beyond.

Courses can include:

- Environmental and human health
- Policy
- International aid
- Global sustainability campaigns.

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Career opportunities

A 2020 study found that 71% of participating New Zealand sustainability professionals experienced greater sustainability resourcing in their organisation in the previous year.

Awareness of global issues, and skills in project management, leadership, communication, and critical analysis will equip you to make real and meaningful changes to our environmental and human systems, and empower others.

Some career pathways could include:

- Politics
- Non-profit sector
- Human services
- Humanitarian aid programmes.

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Study Social Action, Community and Global Development:

As a Major:

- Bachelor of Social and Environmental Sustainability

Social Activism

Social Activism uses your passions and experiences to make positive changes for others. Studying this pathway will teach you how to recognise inequality and inequity, to help those who are disadvantaged or mistreated, and to raise awareness on issues that need more support at a higher political level.

Help us towards a better future for ourselves and our planet by studying Social Activism at UC.

What will my study involve?

- Explore social issues like ethnicity, gender, sexuality, and class that can lead to inequities in education, political power, and opportunity.
- Become a leader in social and community settings to drive social change in local, national, or international communities.
- Customise your degree with courses in other subjects so you can prepare to tackle the social issues you care about most.
- Projects and internships during your degree to get practical experience with real-world social issues in Aotearoa.

Courses

The courses in this pathway will introduce you to the powerful effects of community action, volunteering, policy, and media awareness towards social issues, and give you opportunities to learn about Aotearoa and global-scale movements.

Course can include:

- Aotearoa politics
- Media impact on public opinions, politics, and history
- Social transformation
- Global powers and processes.

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Career opportunities

Finding solutions, advocating for others, and actioning change are all unique abilities that this study will train you to have.

Some career pathways could include:

- Human rights advocacy
- Community engagement
- Political campaigner
- Lobbyist.

canterbury.ac.nz/careers/subjects

Study Social Activism:

- Bachelor of Youth and Community Leadership
- Certificate in Youth and Community Leadership

Social Entrepreneurship

This pathway is the perfect option if you wish to make an impact on social needs through entrepreneurship. You will develop leadership skills paired with key insights in marketing, management, and social entrepreneurship.

What will my study involve?

- Learn leadership skills and how to create a product, business, service, or campaign idea that will make positive changes to our communities.
- Projects and internships so you can build your experience creating and actioning change directly with communities.
- Connect with Te Pokapū Rakahinonga UC Centre for Entrepreneurship to get mentoring, resources, and contacts in creating your business ideas.

Courses

The first year in this pathway introduces you to building leadership and management skills, as well as looking at case studies in Ōtautahi Christchurch of how volunteering and community-led projects have made a real difference. There are many course options to focus your degree towards your ideal career in social entrepreneurship.

Courses can include:

- Community activism
- Markets, consumers, and sustainability practices
- Business management
- Global business ethics.

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Career opportunities

Alongside business knowledge, an awareness of social campaigns, sustainability goals, and ethical values of consumers and communities will make you a unique leader in the corporate industry.

Some career pathways could include:

- Advocacy
- Campaign and event management
- Entrepreneur
- Business consulting.

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Study Social Entrepreneurship:

- Certificate in Youth and Community Leadership
- Bachelor of Youth and Community Leadership

Social Work

Social workers help people to overcome personal and institutional barriers to wellbeing and achieve their full potential. They work with individuals, families, groups, and organisations in a wide range of contexts.

Studying Social Work is a great option to consider if you are interested in working in a people-focused career. Professionally trained people are needed in increasing numbers to work in the social services, nationally and internationally.

What will my study involve?

- Learn about a wide variety of topics in Social Work, such as mental health, child welfare, criminal justice, ageing, violence and abuse, and gender and sexuality.
- Small, interactive classes so you can work closely with staff and other students.
- Practical learning throughout the degree, with 80% of your final year in fieldwork placements within social service agencies around Aotearoa.
- The BSW(Hons) is recognised by Kahui Whakamana Tauwhiro | New Zealand Social Workers Registration Board (SWRB) and internationally so you can work overseas.

Courses

The first year of the Social Work degree will introduce you to Social Work services and practices in Aotearoa. The later years of the degree will go into more complex topics so you can analyse and debate on current issues within Aotearoa, such as welfare systems, discrimination, domestic abuse, and mental health.

Courses can include:

- Social services in Aotearoa
- Social policy
- Realities that current youth face
- Work placements and social work practice.

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Career opportunities

The combination of theory and practice sets you up with the values, knowledge, and skills needed to work in the social work profession. You may go on to working directly with affected people, or on to social sector policy and make changes within the overall system.

Some career pathways could include:

- Counselling
- Iwi social work
- Community development work
- Case management.

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Study Social Work:

- Bachelor of Social Work with Honours

Society and Policy

Society and Policy looks at how health and wellbeing services are regulated and managed. By understanding the impact health policies have on society, you will gain the skills needed to work in the public health and social policy sectors and make meaningful changes to the help people need.

What will my study involve?

- Examine health services and policies in Aotearoa and find ways to better access, process, and engage with vulnerable communities.
- Develop knowledge around important issues and debates in policy, such as freedom of choice, euthanasia, chronic illness and disabilities resources, gender transition, vaccine mandates, abortion, and inequality.
- Study the Society and Policy minor in a wide variety of degrees and build your expertise of health systems in Aotearoa alongside your other interests.

Courses

Society and Policy courses cover social issues relating to health, ethics, and the development and evaluation of public policies.

Courses can include:

- Social policies
- Health project and group research
- Aotearoa healthcare systems
- Bioethics.

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Career opportunities

You will be prepared for work in policy analysis, social science research, humanities, and the development of public policy. The health science field is broad and can include non-clinical roles, government, city councils, non-governmental organisations, and working directly with clients.

Some career pathways could include:

- Health policy analyst
- Public health advisor
- Health promoter
- Health services administrator.

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Study Society and Policy:

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Health Sciences
- Diploma in Health Sciences

Society, Diversity and Change

Society, Diversity and Change focuses on the complex issues that form around community, identity, and social revolutions.

Studying this subject will challenge your thinking about the world and the people who live in it, and equip you to create positive changes.

What will my study involve?

- Understand how issues such as education, social status, ethnicity, and gender relate to and affect equity in society with UC's research speciality in services, activism, and youth work.
- Develop actionable skills to improve local and global movements and challenges of your choice, with a final-year internship placing you in the workplace.

Courses

Through the courses in this programme, you will be able to explore diversity and equity outcomes that affect you or best suit your interests. The final year also presents an opportunity to gain real-world experience through an internship.

Courses can include:

- Equality vs equity
- Online spaces and homogenised culture
- Youth and developing identities
- Poverty and the increasing wealth gap.

Career opportunities

Your studies will help you learn how we can improve equity outcomes by generating and leading social transformation. This can lead to a variety of career options working with and on behalf of others, from human services to advocacy to politics.

Some career pathways could include:

- Civil services
- Youth work and development
- Professional training and education
- Non-profit sectors.

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Study Society, Diversity and Change:

As a Specialisation

- Bachelor of Arts

Sociology

'Completing a social science degree has exposed me to the world and now I have a craving to explore it further.'

MahMah

Bachelor of Arts in Anthropology and Sociology, Bachelor of Arts with Honours in Anthropology, PhD in Anthropology

Take a look at the modern world and how it came to be the way it is. Sociologists investigate the structure of societies, organisations, groups, and everyday lives. This subject can cover a range of social contexts including the intimacy of families, criminal gangs, activities at a rugby game or rock festival, through to divisions of ethnicity, gender, and class.

What will my study involve?

- Take courses that cover subjects as diverse as crime and justice, religion, health, gender and sexualities, death, and migration.
- Flexible course options so you can study a field of Sociology that suits your specific interests.
- Courses are hands-on and you will have the opportunity to do meaningful research, to create and analyse evidence, and to draw your own conclusions.

Courses

First year Sociology courses are designed to explore people and society and introduce you to the process of analysis.

Courses can include:

- History of gangs in New Zealand
- Global society
- Crime and justice
- Ethnicity, racism, and history.

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Career opportunities

The broad skills gained from a Sociology major such as research, writing, critical thinking, and communication are all highly valued by employers. You will be able to apply your core Sociology learnings to different aspects of life and work.

Some career pathways could include:

- Human resources
- Marketing, media, and public relations
- Policy analysis
- Social research.

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Study Sociology:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts

Software Engineering

'Software engineering is so open to the imagination. It's a constantly changing field.'

Sarah

Bachelor of Engineering with Honours in Software Engineering

Our society relies in many ways on software or software-based systems, for example in transportation, entertainment, telecommunications, government, business, health, and avionics.

Software systems can have a high degree of complexity, often consisting of millions of lines of code produced by large teams of software engineers or developers. We critically depend on timely and cost-

effective completion of software systems, and on their reliable and efficient operation.

To meet all these goals, a disciplined approach is needed to design, create, operate and deliver software systems under real-world constraints (economical, ethical, technical, legal).

What will my study involve?

- Work on challenging team-based projects, sometimes with industry.
- Benefit from specially-designed computer laboratories and software as well as access to a specialist Te Puna Pūkaha me te Pūtaiao | Engineering and Physical Sciences library.
- Join student clubs like CompSoc, Women in Technology Society (WiTSoc), and UC Women in Engineering alongside your studies.

Courses

You will study a range of foundational courses in Computer Science and Engineering, and carry out practical work through a series of projects.

Courses can include:

- Foundations in computer science, including machine learning and cybersecurity
- Human-computer interaction, including augmented and virtual reality
- Operating systems and embedded systems
- Software development and processes.

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Career opportunities

Software engineering is a widely applicable discipline. Graduates are not only needed in software companies, but also in many companies whose products involve significant amounts of software.

Career pathways can include:

- Software engineer and developer
- Software architect
- Game developer
- IT Consultant.

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Study Software Engineering:

- Bachelor of Engineering with Honours

Spanish

‘I really enjoyed learning Spanish so much that it became my minor. Thank you to the great teachers for not giving up on me and supporting and guiding me throughout.’

Arju

Bachelor of Arts in Cinema Studies and Media and Communication with a minor in Spanish

Spanish is as universal as English with the largest concentration of speakers in Spain, Central and Latin America, and the USA. Learning Spanish will not only open you up to their beautiful cultures, but also to job opportunities in any part of the world.

What will my study involve?

- Staff will work closely with you in your language and Hispanic culture classes.
- Option to do an exchange with a Spanish university where you can practise your language and culture skills by studying abroad.
- You can study Spanish within a range of different bachelor’s degrees, or you can also add a certificate or diploma in Spanish language alongside your other studies.

Courses

No prior knowledge is needed to study Spanish at UC. You can start with elementary Spanish in your first year, then advance from there.

Spanish courses will give you an insight into the mix of old and new traditions that form Spanish-speaking cultures.

Courses can include:

- Spanish film and music
- Different cultures of the Spanish-speaking world
- Spanish conversation
- Hispanic civilisation and culture.

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Career opportunities

Through your studies you will learn skills in intercultural communication, as well as growing your understanding of the way global interactions shape society.

Some career pathways could include:

- Interpreting and translation
- International law
- Policy analysis
- Journalism.

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Study Spanish

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Languages
- Diploma in Languages

Spatial Data Science

Spatial Data Science is an emerging field that combines art and science to explore spatial geographical data through visual and computational technologies to understand why activities and events occur in certain environments or spaces.

You will gain knowledge in Geographic Information Science (GIS) including using digital cartography, remote sensing, geomapping, and other visual data interfaces to interpret and analyse insights from the data. This data can be helpful in conducting search and rescue operations, predicting potential disaster outcomes, planning smart cities, and more.

What will my study involve?

- Gain skills in spatial data, thinking and reasoning, analysis using computation tools, develop advanced programming and coding skills, and use geographic data software.

- You will have access to computer and software labs, and conduct fieldwork at UC's field stations in Cass and Kawatiri Westport, or climate stations in Kā Tiritiri-o-te-moana Southern Alps and throughout Te Waipounamu South Island.
- Benefit from our research centres that utilise spatial data sciences, with specialist centres including Toi Hangarau Geospatial Research Institute, Te Pokapū Pūhanga Wāhi | Spatial Engineering Research Centre, Te Pokapū Rū | UC Quake Centre, and more.

Courses

First-year courses will introduce you to the processing, analysis, and visualisation of spatial data.

Courses can include:

- Global environmental change
- Geographic information systems
- Remote sensing for geospatial analysis
- People, places, and environment.

Career opportunities

There is a high demand for graduates with data science skills. Spatial Data Science is utilised throughout government organisations and industry sectors including finance, retail, construction, and the primary sector. You can apply the knowledge and practical skills you gain through this major to social and health services, government, transportation, research, marketing, and many more areas.

Some pathways could include:

- Space matter analyst
- Smarter Cities Planner
- Endangered species migration mapping
- Search and rescue operations.

canterbury.ac.nz/careers/subjects

Study Spatial Data Science:

As a Major:

- Bachelor of Data Science

Speech and Language Pathology

Speech and Language Pathology studies human communication, how it develops, and the many differences and difficulties that children and adults experience.

Speech-language therapists/pathologists work with premature infants, children in preschools and schools who have difficulty communicating and learning, and adults who have lost their ability to communicate eg, through stroke, brain injury, or degenerative disease.

Studying Speech and Language Pathology will give you the skills to help improve and treat communication disorders.

What will my study involve?

- A hands on qualification, where you will work with real patients of all ages, through clinical experience at speech-language clinics, hospitals, retirement homes, and schools around Aotearoa. There are also opportunities for overseas and clinical placements.
- UC has its own speech-language clinics, giving you opportunities and experience with clients right on campus.
- The degree is Aotearoa New Zealand's most established, having trained most of the country's speech-language pathologists and being the first to be accredited by Te Kāhui Kaiwhakatikatika Reo Kōrero o Aotearoa | New Zealand Speech-language Therapists' Association.

Courses

The degree starts by giving you the basics of human anatomy for throat and hearing mechanisms, as well as how people develop their communication skills and disorders that prevent quality of life. The following years of the degree go more in-depth with these topics and more.

Courses can include:

- Speech, hearing, and swallowing
- Human communication and language learning
- Voice disorders
- Clinical placements.

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Career opportunities

The skills you gain in this degree will set you on a career helping others with their wellbeing, either directly as a clinician, or through administration and research, or even in creating new assistive communication devices.

UC's Speech and Language Pathology degree is recognised for practice in Australia, the United Kingdom, Ireland, and Canada.

Some career pathways could include:

- Speech-language therapist
- Audiologist
- Paediatrics
- Rest home care.

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Study Speech and Language Pathology:

- Bachelor of Speech and Language Pathology with Honours

Sports Leadership and Management

There is growing demand for people qualified to work in sport leadership, administration, marketing, and management in Aotearoa. The rapid growth in the industry has opened up exciting opportunities across the sports and recreation sector.

The Sports Leadership and Management major prepares you to work in the sport, exercise, and recreation industries by developing skills in management, organisational theory, motivation, and problem-solving.

What will my study involve?

- Take part in a 120-hour internship in a sports organisation of your choice.
- This major blends sports leadership, sociology, and coaching; management; and marketing.
- Take part in practical courses, a noho marae experience, and field trips beyond the classroom.

Courses

Explore the principles and foundations of leadership and management and how they are applied in sport.

Courses can include:

- Sport management and marketing
- Principles of leadership
- Anatomy, biomechanics, and physiology
- Sport psychology.

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Career opportunities

You will gain a strong grounding in transferable career skills which are highly valued in the workforce, including leadership, communication, motivation, and teamwork.

Career pathways could include:

- National and regional sport organisations
- Sport, community, and outdoor recreation
- School sport organisations
- Community and high performance sport teams.

canterbury.ac.nz/careers/subjects

Study Sports Leadership and Management:

As a Major:

- Bachelor of Sport Coaching

Sport Science

Sport Science is the study of the human body and the effects sport, exercise, and nutrition have on health and athletic performance.

What will my study involve?

- Focus on different areas of sport science, including sport psychology, exercise physiology, nutrition, biomechanics, strength and conditioning, and performance analysis.
- Internship in your third year, working with a professional strength and conditioning coach in a senior sports team.
- Sport Science minor available within many bachelor's degrees so you can combine anatomical knowledge with other subjects, for example product design, medicinal chemistry, business, and more.

Courses

Courses will cover a wide range of subjects that will introduce you to theories and techniques that maximise performance and health outcomes.

Courses can include:

- Training techniques
- Nutrition and food science
- Injury treatment and recovery
- Anatomy and physiology.

canterbury.ac.nz/courses

Career opportunities

Knowledge of how the body works, how to take care of it, and getting the best performance out of it will make you a valuable expert in the fitness and health fields. This can lead into careers working all the way from everyday clients at the gym up to high performance athletes on the world stage.

Some career pathways could include:

- High performance coach
- Fitness trainer
- Sports administrator
- Exercise scientist.

canterbury.ac.nz/careers/subjects

Study Sport Science:

As a Major:

- Bachelor of Sport Coaching

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Sport Coaching

Statistics

'I really liked the real-world applications and how statistics can be used to improve people's lives.'

Amanda

Bachelor of Science in Statistics, Bachelor of Science with Honours in Statistics

Statistics makes sense of data using mathematical modelling to explain what is observed and to predict what is yet unknown.

There are many areas in which statistics helps us to understand what is going on and to predict what is likely to happen in the future, from climate change to economy to medicine, and more.

What will my study involve?

- Learn statistical processes and techniques, including collecting data, choosing methods, and communicating results.
- Take part in research and projects while working with visiting experts, research centres, and potential employers.
- Study Statistics in a wide range of degrees to add data knowledge to your other interests.

Courses

Your first-year courses are introductory and will teach you the basics of statistics, including maths and computer programming. You will get to choose your courses in the later years from a range of topics from algorithms to interpreting datasets to completing your own statistics work projects.

Courses can include:

- Statistics software training (eg, Excel, R, Python, Julia, and more)
- Computer modelling
- Prediction and probabilities
- Sampling and survey methods.

canterbury.ac.nz/courses

Career opportunities

Statistics opens up career possibilities in many industries such as finance and insurance, business, government, and research. These institutions and companies are looking for people able to collect the relevant data, model it, and communicate the results.

Some career pathways could include:

- Epidemiologist
- GIS expert
- Data analyst
- Risk surveyor.

canterbury.ac.nz/careers/subjects

Study Statistics:

As a Major:

- Bachelor of Arts
- Bachelor of Science

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Science

Strategy and Entrepreneurship

Strategy and Entrepreneurship focuses on the overall development of businesses, involving the process of identifying objectives, developing plans to achieve these, and allocating resources in order to grow business.

What will my study involve?

- Learn to recognise opportunities and develop core business skills in planning, project management, and teamwork.
- Explore business at all levels, including individually-owned small businesses, social enterprise, high-tech focused startups, and large corporations using innovation to gain advantage.

- Gain real-world experience and make connections with businesses and the community through business case competitions.
- UC is home to Te Pokapū Rakahinonga UC Centre for Entrepreneurship — join a community of like-minded students and staff, access useful resources, learn how to set up a new business venture, gain experience, or take on an internship.

Courses

Courses will introduce you to core business skills, decision-making, and organisational processes, with opportunities to tailor your studies towards international markets, social endeavors, and becoming an entrepreneur.

Courses can include:

- Adapting business to change
- Managing innovation
- Aotearoa business sector on the global stage
- Founding a business or product idea.

canterbury.ac.nz/courses

Career opportunities

With a real-world focus on internships, competitions, entrepreneurship, and community involvement, you will have the skills needed to work in a wide range of sectors. Strategy planning is the highest skill level of management and is usually performed by an executive team in an organisation, which demonstrates just how far you can get with this degree in the corporate world.

Some career pathways could include:

- Entrepreneur
- Marketing specialist
- Management consultant
- Business analyst.

canterbury.ac.nz/careers/subjects

Study Strategy and Entrepreneurship:

As a Major:

- Bachelor of Commerce

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Commerce

Strength and Conditioning

Strength and Conditioning will teach you to train and help people to achieve health and performance goals.

Develop strength and conditioning training programmes that boosts performance and reconditions athletes and teams towards their best.

What will my study involve?

- Measure athletic performance, test training methods, and plan injury recovery.
- Practice developing your skills in our new Performance Education and Training Centre, which includes a specialised strength and conditioning facility and 3D motion capture technology.
- Get coaching experience through internships with sport clubs and organisations.
- Gain the knowledge and skills required to sit the National Strength and Conditioning Association (NSCA) accreditation exams.

Courses

The courses in this programme will train you to work with anyone developing their fitness and wellbeing, including people with specific needs or injuries, professional athletes, and everyday clients.

Courses can include:

- Rehabilitation exercises for injuries
- Technologies for measuring performance
- Nutrition and exercise prescription
- Strength and conditioning science.

canterbury.ac.nz/courses

Career opportunities

Helping others to achieve their peak athletic performance and nutritional health is a rewarding career, and is in demand within sporting, military, and protective service industries.

Some career pathways could include:

- Strength and conditioning coach
- Health advisor
- Group fitness instructor
- Wellbeing and engagement officer.

canterbury.ac.nz/careers/subjects

Study Strength and Conditioning:

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Sport Coaching

Strength and Conditioning with Nutrition

Strength and Conditioning with Nutrition will teach you to train and motivate people to meet performance and body composition goals.

You will be learning how to set and meet training goals, rehabilitate and recondition injured athletes, and prescribe strength and conditioning programmes.

What will my study involve?

- Develop evidence-based practice of measuring performance, fitness testing, and training methods in our new Performance Education and Training Centre, with a specialised strength and conditioning facility and equipment such as motion capture.
- Complete certain courses in the programme to gain skills for National Strength and Conditioning Association (NSCA) accreditation.
- The major will prepare you for NSCA's Certified Strength and Conditioning Specialist (CSCS) or Tactical Strength and Conditioning Facilitator (TSAC-F) certifications – professional accreditations to work as a trainer for sports teams or tactical teams, such as the military or police.
- Minors in Strength and Conditioning or Nutrition are available in multiple degrees to add sports industry experience to your other interests.

Courses

Courses begin with an introduction to nutritional benefits for performance, working with anyone from everyday exercisers to professional athletes to people with specific needs or injuries.

After first year, your courses will go more in-depth on measuring performance data, and developing personalised exercise and training regimes.

Courses can include:

- Nutrition and exercise prescription
- Injury and rehabilitation
- Performance software and technologies
- Exercise physiology.

canterbury.ac.nz/careers/subjects

Career opportunities

Professional knowledge of anatomy, exercise science, and nutritional supplements will take you towards a rewarding career helping others with their health and wellbeing, and to achieve their best athletic performance.

Some career pathways could include:

- Professional strength and conditioning coach
- Fitness/nutrition advisor
- Sports athletic coach
- High performance manager.

canterbury.ac.nz/careers/subjects

Study Strength and Conditioning with Nutrition:

As a Major:

- Bachelor of Sport Coaching

Other pathways:

- Certificate in Sport Coaching

Structural Engineering

Structural Engineering explores how buildings and other structures endure disasters, like earthquakes, fires, and storms.

With big issues like climate change, structural engineers need to create resilient infrastructure and specialised solutions, whilst juggling the demands of aesthetics, environment, cost, and materials.

What will my study involve?

- Practical coursework designing, building, testing, and analysing building structures, including research project work.
- Use UC's Structural Engineering Lab (SEL), the most modern educational facility in seismic testing, including seismic loadings on structures and soils in real-time.
- Learn from world renowned leaders in the design and performance assessment of steel, concrete, and timber buildings and bridges in seismic events.

Courses

This minor is available alongside the Bachelor of Engineering with Honours in Civil Engineering. You will study the properties of different building materials, and how to analyse, test, and design large-scale building projects.

Courses can include:

- Structural materials testing
- Architectural design
- Earthquake Engineering (EQ)
- Sustainable materials and lifecycle analysis.

canterbury.ac.nz/courses

Career opportunities

Global disasters show us that there is still much to be done to withstand these extreme forces. Your degree will prepare you for designing, building, and maintaining any kind of structure to withstand these events, from bridges to dams to skyscrapers.

Some career pathways could include:

- Consulting
- Contracting
- Local, regional, and central government
- Management.

canterbury.ac.nz/careers/subjects

Study Structural Engineering:

As a Minor:

- Bachelor of Engineering with Honours

Sustainable Business, Enterprise and Economics

With businesses expanding across the globe, we need more people with the skills to help manage economic growth with environmental issues like pollution and use of natural resources.

This major covers everything from sustainable products, production, shipping, and marketing, through to influencing changes in customer spending habits.

What will my study involve?

- Get hands-on experience creating sustainable business solutions through an internship.
- Learn business basics of management, economics, accounting, marketing, or communications with how these affect our views and treatment of the environment.
- Opportunities to create your own business with UC's mentors, business connections, and a Makerspace.
- Customisable major so you can follow your interests in particular sustainability issues and industry.

Courses

The first year allows you to choose from a range of introductory business courses so you can learn the fundamentals of running a business and study sustainability issues that interest you.

Courses can include:

- Environmental economics
- Business organisation
- Natural resources and supply chain management
- Media and marketing.

canterbury.ac.nz/courses

Career opportunities

A 2020 study found that 71% of participating New Zealand sustainability professionals experienced greater sustainability resourcing in their organisation in the previous year.

Every industry needs to find more sustainable practices, and there are few

people in the current job market with knowledge of both business economics and environmental science to help achieve this. Your problem-solving skills will help lead to better corporate responsibility and sustainable consumption of goods.

Some career pathways could include:

- Management
- Business analysis and consulting
- Marketing
- Entrepreneurship.

canterbury.ac.nz/careers/subjects

Study Sustainable Business, Enterprise and Economics:

As a Major:

- Bachelor of Social and Environmental Sustainability

Sustainable Coasts

With more than half of the world's population living in coastal zones, many nations are dependent on the ocean to sustain life and economy. In this subject, you will learn how to manage our coastal and marine resources.

Aotearoa as an island nation has a unique history and cultural narrative with its coastal settlements and marine resources and is a living laboratory for learning how to live sustainably.

Sustainable Coasts offers study in the diverse ecosystems, functions, and dynamic changes of coastlines and ocean life.

What will my study involve?

- Explore the biological, geographical, and social effects of coasts and surrounding urban and natural environments, and find sustainable solutions for their preservation and ongoing use.
- Examine long-term effects on coastal climates, including rising sea levels, erosion, over-fishing, debris pollution, and more.
- Practical work including field trips to UC's field stations, and work experience in your final-year of studies where you apply your learning as part of your degree.
- The Bachelor of Environmental Science with Honours is accredited by the Environment Institute of Australia

and New Zealand (EIANZ) to deliver environmental practitioners for roles in industry, government, education and research, and the community.

Courses

First year courses give you an introduction to biology, ecology, and geographic sciences. From second year you will take courses towards your major, learning about marine biology, ecology and human history with coasts.

Courses can include:

- Marine biology
- Beach, sea, and shore biospheres
- Urban coastal regions
- Natural hazards and disasters.

canterbury.ac.nz/courses

Career opportunities

Sustainable Coasts graduates are in demand due to the range of environmental issues we are facing as a result of climate change, pollution, and loss of biodiversity. Completing this degree will give you the knowledge to help solve these environmental issues.

In addition, you will have developed a range of skills including collecting and analysing data, developing mitigation plans, and evaluating and responding to environmental policies and plans.

Some career pathways could include:

- Environmental scientist
- Field technician
- Resource management officer
- Disaster management and response.

canterbury.ac.nz/careers/subjects

Study Sustainable Coasts:

As a Major:

- Bachelor of Environmental Science with Honours

Tauwhitinga Māori: Māori Communication Strategy and Practice

Māori communication is very important for businesses in Aotearoa, as they are increasingly looking for ways to include Māori culture and heritage in their media, advertising, communications, and everyday practices.

This major is ideal for anyone looking to bring about social change, and help industries engage strongly with our bicultural nation.

What will my study involve?

- Learn to create public-facing content representing Māori, from print to television to social media, and more.
- Internship projects during your degree will place you within iwi businesses, communication agencies, and other local UC contacts.
- Specialised knowledge as this is the only major of its kind in Aotearoa on Māori communication strategy and Kaupapa Māori (values and goals) in professional workplaces.
- This major can be studied alongside other courses such as Te Reo Māori, History, and Geography.

Courses

Specific courses for this major begin in the second year of the degree, where you can advance your communication skills through Māori media channels, and explore how Māori values and traditions can adapt to media and cultural shifts.

Courses can include:

- Risk and Crisis Communication
- Māori film and media
- Strategic Campaign Development
- Māori Futures.

canterbury.ac.nz/courses

Career opportunities

Bicultural practice and expertise are in high demand in many industries. You will be particularly good at advising or creating content for iwi, government, creative, education, or business communication.

You may even find work internationally in places where experience in Indigenous communications and engagement are especially needed, for example in Australia, Canada, and the USA.

Some career pathways could include:

- Marketing analysing
- Media content creation
- Public outreach and relations
- Campaign management.

canterbury.ac.nz/careers/subjects

Study Tauwhitinga Māori:

As a Major:

- Bachelor of Communication

Taxation and Accounting

Taxation is about more than creating and charging taxes — it distributes money to public goods and services, and serves as a tool to influence behaviour.

This study involves many different subject areas, including law, economics, and even psychology to help us understand the impact of taxation on society.

What will my study involve?

- Take a range of courses from legal, accounting, and practical perspectives that prepare you for a professional career in taxation and accounting.
- Apply your learning through internships and international study options.
- The major is a pathway to external qualifications and membership with CPA Australia, Chartered Accountants Australia and New Zealand, the Association of Chartered Certified Accountants, and other professional accounting bodies internationally.
- Complete a minor in Taxation or Accounting within a range of bachelor's degrees to add understanding of tax and policy to your other studies.

Courses

You will be introduced to the whole taxation process and legal systems around tax, and go onto advanced courses examining taxation and accounting in many contexts including retail, tourism, farming, and more.

Courses can include:

- Government and service tax
- International taxation
- Tax avoidance, evasion, and investigation
- Income taxation (property sales, employment, stocks, etc).

canterbury.ac.nz/courses

Career opportunities

Study in taxation will set you up with the skills and knowledge needed to work as a taxation specialist or as a chartered account in Aotearoa or internationally.

Some career pathways could include:

- Finance manager
- Business analyst
- Tax consultant or auditor
- Forensic accountant.

canterbury.ac.nz/careers/subjects

Study Taxation and Accounting:

As a Major:

- Bachelor of Commerce

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Te Reo Māori

Learning te reo Māori enables people to explore their identity as New Zealanders and to pass on their passion for this language to others. Te reo Māori is a highly recommended study option for those who might work with Indigenous people or industries, or in education, public, or communications roles that require bicultural and multicultural competency.

What will my study involve?

- Develop your reo skills and learn about language revitalisation, bilingual/immersion education, reo history, and contemporary language.
- Take part in wānanga reo (language immersion field trips) to local marae.
- Be a part of our whānau at Aotahi: School of Māori and Indigenous Studies with support and guidance in and out of classes.
- Complete a minor in Te Reo Māori within many bachelor's degrees to combine language skills with your other study interests.

Courses

No previous experience of te reo Māori is required for first year courses, with later courses advancing you through to fluency level.

Courses can include:

- Contemporary reo language
- Oral and written traditions
- Kapa haka and performance in reo
- Māori film, music, and media.

canterbury.ac.nz/courses

Career opportunities

Careers are opening up with the increasing role of Māori as a defining element of our national culture. Te reo Māori skills are sought after in health, media, government, tourism, social services, and many other industries.

Some career pathways could include:

- Community leadership
- Journalism
- Heritage and cultural organisations
- Interpreting and translation.

canterbury.ac.nz/careers/subjects

Study Te Reo Māori:

As a Major:

- Bachelor of Arts

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Other pathways:

- Certificate in Arts
- Certificate in Languages
- Diploma in Languages

Tourism Marketing and Management

This subject has a strong focus on the management and marketing of tourism, including destination marketing, impacts of tourism on the environment and local culture, Māori and Indigenous tourism, and specialised marketing in the hospitality and events sectors.

You will also focus on sustainable and resilient tourism operations, how to responsibly develop tourism, and finding the balance between 'overtourism' and 'undertourism'.

What will my study involve?

- Hands-on learning through internships and final-year industry projects. You can also go on an international exchange with one of UC's global partners.
- A focus on cultural and natural resources management and tourism issues in Aotearoa.
- Choose courses that develop your expertise in an area that interests you such as foreign policy, languages, entrepreneurship, or digital marketing.
- You will learn from lecturers with expertise in marketing and tourism research, and industry experience.

Courses

Courses will introduce you to principles of marketing, marketing research, and tourism management.

Courses can include:

- Tourism, hospitality, and events marketing
- Sustainable tourism and destinations
- Marketing research
- Hospitality marketing and management.

canterbury.ac.nz/courses

Career opportunities

Your studies will set you up with applied skills like project management, behavioural change, bicultural competence, marketing research and communication, and sustainable tourism benchmarking and monitoring.

In particular, your experience in Aotearoa tourism will be highly valued in the industry, which needs managers with bicultural expertise to grow our economy and smaller tourism enterprises.

Some career pathways could include:

- Destination management and marketing
- Events coordination and marketing
- Guiding and interpretation
- Tourism and hospitality operations management.

canterbury.ac.nz/careers/subjects

Study Tourism Marketing and Management:

As a Major:

- Bachelor of Commerce

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching
- Bachelor of Youth and Community Leadership

Water and Environmental Systems Engineering

Population increase, urbanisation, natural hazards, and climate change are leading to complex challenges in how we manage our limited water resources and environment.

Studying this subject will train you to integrate the built environment with the natural environment to help supply clean, quality water to households, agriculture, and industry, and process wastewater in a less environmentally damaging way.

What will my study involve?

- Courses with a project focus and industry collaboration, including built systems and laboratory testing.
- Linking local communities, including mana whenua, to find solutions for water and environmental systems problems.
- Mentoring from world leading lecturers who are active in industry and as advocates.

Courses

The courses in this minor begin in your second year of study alongside the Civil Engineering programme.

Courses can include:

- Drinking and wastewater treatment
- Ecological engineering
- Groundwater and surface water engineering
- Fluid mechanics for water supply and natural water systems.

canterbury.ac.nz/courses

Career opportunities

Expertise in water and environmental systems engineering will give you a range of career options including water infrastructure design and management, quality and security issues, recycling, supply operations, environmental compliance, and more.

Some career pathways could include:

- Consulting
- City and regional planning
- Government policy
- Research and Development (R&D).

canterbury.ac.nz/careers/subjects

Study Water and Environmental Systems Engineering:

As a Minor:

- Bachelor of Engineering with Honours

Youth and Community Leadership

'The landscape of the world is changing so quickly and is heading in a direction where we have to be adaptable, and the BYCL prepares you to have this versatility. I am particularly interested in employment roles surrounding project management and community engagement.'

Ella

Bachelor of Youth and Community Leadership

Youth and Community Leadership explores national and global challenges that impact today's youth and our communities, and looks at ways to create meaningful change through leadership.

You can study a range of issues like social justice, sustainability, policy, equity, and more. You can also focus on communities that you want to make a difference in.

What will my study involve?

- Work closely with UC's active student community who have led efforts in natural disaster relief, anti-terrorism, sustainability, and cultural diversity.
- Connect with community through noho marae, volunteering with Te Hunga Tuao Student Volunteer Army, and work with Te Matapuna Matatahi | Children's University.

- On completion of the recommended courses for youth work and development, you can apply for membership to Korowai Tupu, the Professional Association for Youth Work in Aotearoa.

Courses

First-year courses introduce you to your role in youth and community leadership. This involves building self-awareness and engaging with mātauranga Māori perspectives. You will also learn about youth work as a professional practice in Aotearoa.

Courses can include:

- Group leadership
- Community engagement
- Cultural activism
- Social justice and globalisation.

canterbury.ac.nz/courses

Career opportunities

Develop skills in leadership, entrepreneurship, project management, bicultural competence, collaboration, and community engagement to get you ready for a career with youth and community. What you will learn can be applied to community leadership worldwide.

Some career pathways could include:

- Youth work
- Policy analysis and advisory
- Iwi and Māori development
- Teaching and training.

canterbury.ac.nz/careers/subjects

Study Youth and Community Leadership:

- Bachelor of Youth and Community Leadership

As a Minor:

- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Health Sciences
- Bachelor of Science
- Bachelor of Social and Environmental Sustainability
- Bachelor of Sport Coaching

Other pathways:

- Certificate in Youth and Community Leadership

Youth Work and Development

The Youth Work and Development pathway is the perfect option for you if you want to make an impact in the lives of youth and their whānau. Working with young people is an immensely rewarding career where you mentor and lead young people to reach their full potential.

What will my study involve?

- Learn about the expectations and challenges of growing up in today's society, and develop leadership skills to help find their potential.
- Practical projects and internships throughout the degree to place you directly within the community and to work alongside youth and their whānau.
- Only university degree in Aotearoa that meets the requirements for professional membership with Korowai Tupu Professional Association for Youth Work in Aotearoa.

Courses

This pathway includes select courses that prepare you as a professional youth worker. These courses will examine the issues young people face today – from identity to sexuality to online spaces – while building your leadership skills with practical projects and internships.

Courses can include:

- Leadership strategies
- Youth rights and discrimination
- How children and teenagers develop
- Refugees, minorities, and Indigenous communities.

canterbury.ac.nz/courses

Career opportunities

Supporting and inspiring youth from a place of knowledge and understanding leads to many rewarding work roles.

Training in youth work opens up career possibilities in social and human services, iwi, and educational spaces connecting directly with Aotearoa youth, or through making positive changes at a higher level to the systems that affect their rights and wellbeing.

Some career pathways could include:

- Youth worker
- Community development worker
- Programme coordinator
- Welfare supporter.

canterbury.ac.nz/careers/subjects

Study Youth Work and Development:

- Bachelor of Youth and Community Leadership
- Certificate in Youth and Community Leadership

Get support



Te Pātaka | Student Services

We want you have the best possible education experience. From the moment you arrive on campus, we provide support, with teams including the UC Equity and Disability Centre, Student Care, and UC Rec Centre. UC is here every step of the way during your studies and beyond.

Te Pātaka (pictured above) is the new centrally located student services hub, and located on levels 2 and 3 in the Puaka-James Hight building (central library). You will find both academic and pastoral services in one location as is a great place to receive support.

Pastoral Care

The Education (Pastoral Care of Tertiary and International Learners) Code of Practice 2021 is designed to guide institutions in their practice and to protect international students when they study in Aotearoa. UC is a signatory to the Code and is required to meet the standards set by the New Zealand government.

nzqa.govt.nz/providers-partners/tertiary-and-international-learners-code

Atawhai Ākonga | Student Care

Our Student Care services offer one-on-one confidential support for personal, financial, academic, and wellbeing concerns. The service is free to access and available to all students at UC, on and off campus, whether you are domestic or an international student. The team at student care will develop personalised strategies, or lead you to other specific services, to resolve your individual issues.

canterbury.ac.nz/support/needtotalk

Te Ratonga Whaikaha | Equity and Disability Services

UC offers Equity and Disability support for any condition that may affect your studies. This includes injuries, learning difficulties, medical conditions, mental health conditions, and more. We offer academic support by test and exam special arrangements, practical support, assistive technology, and information in alternate formats.

canterbury.ac.nz/equity-disability

Te Whare Hauora o UC Health Centre

UC offers quality, affordable healthcare on campus, including medical care and counselling services.

canterbury.ac.nz/healthcentre

UC RecCentre

Look after your mental and physical wellbeing by getting involved in the many activities offered by the team at UC Rec & Sport, including the on-campus sport and fitness facility the UC RecCentre. You will find social sport leagues, group fitness classes, a climbing wall, fully equipped gym, and more.

canterbury.ac.nz/ucreccentre



Pokapū Pūkenga Ako Academic Skills Centre (ASC)

The Academic Skills Centre is a free advisory service and resource hub that focuses on writing and study strategies to maximise your achievement at all levels. We offer individual consultations with a learning advisor to discuss methods that will help you, as well as workshops, seminars, online resources, and more.

canterbury.ac.nz/support/asc

Te Waka Pākākano — support for Māori, Pacific, and Rainbow students

Te Waka Pākākano offers a range of culturally appropriate services for Māori, Pacific, and Rainbow students. This includes trained Kaiurungi (Māori Student Advisors), Pacific Advisors, and a Rainbow Advisor who can provide you with advice and support programmes such as tutoring, and a range of engagement events from formal graduations to informal barbeques.

Māori Student Support

Te Ao Mārama is the centre for all Māori support. Here Te Waka Pākākano, gives all ākonga Māori support throughout their studies. We offer many events and workshops throughout the year for you to meet other students and staff.

canterbury.ac.nz/support/akonga-maori

Pasifika Student Support

The Pacific Development Team is here to help Pasifika students by providing advice and pastoral care. We offer free tutoring, academic writing support, exam workshops and events to meet other Pasifika students and staff.

canterbury.ac.nz/support/pasifika

Rainbow Student Support

UC aims to provide a welcoming and inclusive environment, and recognises that belonging is important for everyone. UC supports rainbow students and staff with assistance on and off campus, and celebrates sexual and gender diversity on campus.

canterbury.ac.nz/support/get-support/lgbtqi

University of Canterbury Students' Association (UCSA)

The UCSA is a non-profit organisation that exists to help all students succeed and belong at UC. We offer advocacy services, dental and optometry services, welfare and financial services, advisory groups, class reps, social events, and more.

ucsa.org.nz

Careers, Internships and Employment

Identify your strengths, explore career options, and plan the best way to reach your goals. Have your CV checked, learn interview skills, or book an appointment with a Careers Advisor for one-on-one advice.

canterbury.ac.nz/careers

Whakapā mai | Contact us

Te Whare Wānanga o Waitaha University of Canterbury

T: +64 3 369 3999
Freephone in NZ: 0800 VARSITY (827 748)
E: AskUC Chat is available between
8am–5.15pm Monday–Friday
(except NZ public holidays).
canterbury.ac.nz

Te Rōpū Takawaenga | Liaison Office

canterbury.ac.nz/future-students

Te Kaupeka Toi Tangata | Faculty of Arts

canterbury.ac.nz/arts

Te Kura Umanga | UC Business School

canterbury.ac.nz/business

Te Kaupeka Ako | Faculty of Education

canterbury.ac.nz/education

Te Kaupeka Pūhanga Faculty of Engineering

canterbury.ac.nz/engineering

Te Kaupeka Oranga | Faculty of Health

canterbury.ac.nz/health

Te Kaupeka Ture | Faculty of Law

canterbury.ac.nz/law

Te Kaupeka Pūtaiao | Faculty of Science

canterbury.ac.nz/science

Useful UC links

Enrol
canterbury.ac.nz/enrol

Fees
canterbury.ac.nz/get-started/fees

Code of Practice
canterbury.ac.nz/support/code

Clubs and Societies
canterbury.ac.nz/life/studentlife/clubs

Support Services
canterbury.ac.nz/support

Te Rōpū Rapuara | UC Careers
canterbury.ac.nz/careers

Te Waka Pākākano
canterbury.ac.nz/support/akonga-maori

UC Pasifika
canterbury.ac.nz/support/pasifika

Whare Hauora | UC Health Centre
canterbury.ac.nz/healthcentre

Our wellbeing hub has all the
information in one place:

canterbury.ac.nz/support/wellbeing-hub



UC social media

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