2020 Study Abroad

Ako ki Tāwāhi

New Zealand
100+ COUNTRIES
are represented at UC,
making for an inclusive and
diverse international campus

Contents

1 Welcome to UC
2 Welcome to New Zealand
4 South Island
6 Canterbury
8 Why study at UC?
9 The student experience
10 Expand your horizons —
   subjects available
11–18 Undergraduate course list
19 Plan your study
20 Learning through experience
22 Accommodation at UC
24 Study Abroad UC
26 Application process
28 Student visa and insurance
29 Study Abroad feedback

Cover images from top left:
Roys Peak Track, South Island; Ali Smith (Study Abroad, USA);
Matthew Birt (Exchange to Zhejiang Gongshang University, China); UC campus;
Sofia Moniz Monroy (Portugal); Hao Zhang (China).

Published July 2019 by the University of Canterbury,
Private Bag 4800, Christchurch 8140, New Zealand.
Information is correct as at the time of publication but is subject to change. The University’s official regulations and policies are available online at
www.canterbury.ac.nz/regulations
Welcome to UC

The University of Canterbury (UC) has much to offer our Study Abroad students.

Our natural environment, active student lifestyle, and world-recognised academic programmes have few equals anywhere in the world.

At this study destination, you will experience impressive new buildings which will provide you with a modern vibrant campus in which to learn.

UC encourages students to go beyond the classroom as part of your semester or year abroad.

We offer many unique experience-based courses, from service learning through to internships, and scientific field study.

These opportunities will provide you with real-world experiences, the opportunity to study with New Zealand students, and make new friends.

UC is proud to be a Commitment Partner of the Institute of International Education Generation Study Abroad initiative to increase the number of students studying abroad. We also offer a number of scholarships to support you.

We look forward to welcoming you to an exciting and diverse UC community in 2020, and we are confident you will have many opportunities to create unforgettable memories in New Zealand.

E ngā pītau whakarei o tēnei waka, nāia te reo rāhiri e karanga atu ki a koutou.

Tauti mai ki Te Whare Wānanga o Waitaha!

Tēnā koutou katoa.
Ki a ora — Welcome to New Zealand

As a Study Abroad student, you will experience all that Aotearoa New Zealand has to offer, from breathtaking landscapes to dynamic cities, and unlimited outdoor adventure. Here are some great reasons to study abroad at UC.

Spectacular natural environment
Made up of two main islands, the North and South Islands, Aotearoa New Zealand’s pristine landscape features some of the world’s most spectacular scenery, encompassing everything from mountains and glaciers, to beaches and rainforests.

Ōtautahi Christchurch is located in the centre of the South Island and offers unparalleled access to the island as a whole.

Population
UC is located in Christchurch, New Zealand’s third largest city, and is the major hub of the South Island.

Temperate climate
With lots of sunshine, and the full range of spectacular seasons, New Zealand is an ideal study abroad option.
Average temperatures in Summer (December—February) are 20–30 °C (68–86 °F).
Winter (June—August) are 10–15 °C (50–59 °F)

Action and adventure
Aotearoa New Zealand is a recreational paradise, with plenty of outdoor activities on offer including hiking, surfing, skiing, and sailing. Your leisure options are endless, from ziplining to penguin watching.

Dynamic Urban Centres
New Zealand’s main cities are creative hubs for the arts, fashion, cafés, street art, and a thriving innovation scene.

High ratio of diversity
New Zealand is very multicultural:
• New Zealand European 74% 
• Māori 14.9% 
• Pacific Islander 7.4% 
• Asian and others 11.8% 
(Stats NZ, 2013 Census)

Bicultural heritage in a multicultural society
Discover the richness of New Zealand’s Māori culture. UC is strongly committed to biculturalism and the UC community is built on the foundations of aroha, manaaki, and whanaungatanga | compassion, generosity, and connection.
Gateway to the South Island

Home to Aotearoa New Zealand’s most breathtaking landscapes, Te Waipounamu South Island is world renowned for its natural beauty and recreational opportunities.

From mountains to the sea, the dramatic terrain of the South Island offers a range of memorable leisure experiences.

Christchurch is the largest city in the South Island, and the most centrally located major city. As a result, it acts as the gateway to the South Island, and the ideal base from which to explore.

**Tick the following off your bucket list**

**Surf and ski in the same day**

Christchurch is on the doorstep of a huge outdoor ‘playground’ — with ten ski fields within a two-hour drive, and beautiful beaches close by, you can surf and ski in the same day.

**Explore golden beaches and waterways**

At the top of the South Island, the waterways of the Marlborough Sounds are made up of the Queen Charlotte, Kenepuru, Pelorus, and Mahau Sounds, and are a popular place for fishing, diving, boating, and dolphin watching.

Nelson is the oldest city in the South Island. Situated at the top of the island, it is well known for its local arts and crafts.

You can explore golden beaches and the lush coastal Abel Tasman National Park; or get out on the water into the tranquil Marlborough Sounds.

‘Here in New Zealand, there are pretty epic mountains, rivers, and beaches right on our doorstep, and UC for me had the benefit of its central location to most things in the South Island.’

Ellorine Carle
USA
See the glaciers
The South Island’s West Coast is an environmental wonderland of ice age glaciers, waterfalls, lakes, forest, and rugged coastline. The Franz Josef Glacier is a remnant of a 7,000 year old larger glacier that originally swept right to the sea. Today, it is 12 kilometres long, from the high snowfields of the Southern Alps. The world-famous Fox Glacier is one of the longest of the West Coast glaciers — you can take a breathtaking guided walk right onto the glacier.

Experience adventure and nightlife
The buzzing town of Queenstown has much to offer those seeking an adrenaline fix. It is famous for its white water rafting, skiing, jet boating, and bungy jumping, and is home to the beautiful and tranquil Lake Wakatipu, New Zealand’s third largest lake. The nightlife, cafés, and bars also make this a favourite South Island destination.

Check out the Southern Alps
The South Island is home to the magnificent Southern Alps mountain range which runs down the ‘spine’ of the Island. Its tallest peak is Aoraki Mount Cook, the highest point in New Zealand at 3,724 metres (12,218 ft).

Discover Fiords
Fiordland occupies the southwest corner of the South Island and consists of fourteen fiords. It is home to fur seal colonies, penguins, and dolphins. Fiordland has achieved World Heritage Status for its natural beauty. Milford Sound is one fiord situated in the southwest of the South Island and is admired for its staggering Mitre Peak, and its rainforests and waterfalls. Boat tours are a popular way to explore.

Soak up spectacular landscapes
The Catlins is a major highlight of the Southern Scenic Route. Located off the beaten track, the Catlins journeys through rural heartland and forests, past rugged coastlines, hidden lakes, stunning waterfalls, and a variety of wildlife.

AT A GLANCE

<table>
<thead>
<tr>
<th>Rank</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3rd</td>
<td>New Zealand is ranked #3 out of 50 economies for instilling future skills*</td>
</tr>
<tr>
<td>4th</td>
<td>New Zealand is ranked #4 in the world for its natural environment</td>
</tr>
<tr>
<td>12th</td>
<td>Largest island in the world, the South Island contains one quarter of the New Zealand population</td>
</tr>
</tbody>
</table>

* The Economist Intelligence Unit 2018.
^ Legatum Prosperity Index, 2018.
Go Canterbury

Ōtautahi Christchurch is a recreational hot spot within easy reach of all the fun and adventure the region has to offer. It is the gateway to the South Island, and located in the province of Waitaha Canterbury.

With a population of around 380,000, Christchurch is the largest city and the economic centre of the South Island.

A recreational hub

Christchurch’s location on the east coast makes it perfect for water sports, with six swimming beaches within 30 minutes’ drive from UC. There are a number of rivers and lakes, including the picturesque Avon River which runs right through the city.

The city’s Port Hills are popular for walking, rock climbing, and mountain biking.

Hagley Park in the centre of the city has 165 hectares of park-like grounds.

Vibrant entertainment options

Christchurch has a busy calendar of events — from art exhibitions and cultural celebrations to sporting events and music festivals. There are over 900 restaurants, cafés, and bars to sample, many of them close to UC.

Christchurch is also home to theatres and over 740 city parks.

Leisure and lifestyle

In 2019, Christchurch topped CNN’s list of 19 places to visit – describing the city, its buildings, and culture as “elegant”, “gorgeous”, “colourful”, and “dynamic”.

Visit the new city precincts with displays of vibrant street art that represent the revitalisation of the central city.

‘Study Abroad is definitely one of the most memorable experiences of my life. I am a person with a global mind and enjoy learning new languages and culture.’

Gloria Leung
Hong Kong
The Canterbury region
A temperate climate with lots of sunshine and a full range of spectacular seasons, Canterbury is an ideal place to explore throughout the year. Canterbury has more ski areas than anywhere in the Southern Hemisphere, making it a winter playground. www.christchurchnz.com/winter-in-christchurch-and-canterbury

A few spots to explore
Akaroa
Akaroa is a town on the Banks Peninsula, southeast of Christchurch. Akaroa Beach is on the eastern shore of Akaroa Harbour, where rare Hector’s dolphins swim. Some boat cruises even have on-board dolphin-spotting dogs who can hear underwater sonar activity.

Aoraki Mount Cook National Park
Home to New Zealand’s majestic Mount Cook, 40% of the national park is covered by glaciers, and there are over 19,000 peaks higher than 3,000 ft.

At 29 kilometres long, and up to 3 kilometres wide, the Tasman glacier is one of the longest glaciers in the world outside the polar region. The area offers hiking, climbing, snowsports, and kayaking with breathtaking views of the Southern Alps, and the foothills of Mount Cook are just a 90-minute drive from Christchurch.

Kaikōura
A seaside town with sweeping mountain and ocean views, this is a place where visitors can commune with nature’s wonders and spot whales, dolphins, seals, and sea birds.

Lake Tekapo
Lake Tekapo’s magnificent unpolluted night skies attract visitors and star-gazers from all over the world.

The astronomical observatory on top of Mount John, near Lake Tekapo, provides outstanding conditions for observations and discoveries of the southern sky. UC’s School of Physical and Chemical Sciences runs the observatory and students and staff are able to use the facilities.

Mount Hutt
The mountain is home to a commercial alpine ski area, and prides itself on historically being the first ski-field in the Southern Hemisphere to open at the beginning of each ski season. It has the largest skiable area in the South Island (3.65 square kilometres), and a vertical height of 683 metres. The snow season runs from June to October.

AT A GLANCE
6 beaches are a short drive from UC
10 ski fields, within two hours’ drive of UC
75 years old. The CUSSC (Canterbury University Snow Sports Club) is the only university club in New Zealand to own a ski field lodge, located at the Temple Basin Ski Field
Why study at UC?

UC is among the world’s top 1% of universities and was the first New Zealand university to receive the prestigious QS 5-star ranking for overall excellence.

An outstanding community

Founded in 1873, Te Whare Wānanga o Waitaha University of Canterbury (UC) is known for:

• a supportive campus community
• high-quality courses (pages 11–18)
• unique applied learning opportunities, including internships, service learning, and community engagement (pages 20–21).

Learn from the best

• 11 UC disciplines are ranked in the top 200 of the world’s universities.”
• Outstanding teachers are recognised through teaching awards and the UC Teaching Medal.
• Te Kura Umanga | UC Business School holds ‘Triple-Crown’ accreditation by AMBA, EQUIS, and AACSB, putting it in the top 1% of business schools worldwide.
• Engineering programmes are accredited by the Institution of Professional Engineers New Zealand, which is a signatory to the Washington Accord.
• Speech and Language Pathology programmes are accredited by the New Zealand Speech-language Therapists’ Association.
• UC’s Erskine programme brings 75 experts from around the world to teach at UC each year.

Globally connected

• UC is the only New Zealand university to be a member of the AC21 Academic Consortium; 19 of the world’s leading research universities.
• UC is a commitment partner of the IIE Generation Study Abroad initiative to increase the number of US students studying abroad.
• UC is the only New Zealand university to be a member of the global engineering exchange programme Global E.

A vibrant campus

Facilities to support your study at UC include modern lecture theatres, innovative learning hubs, well-resourced libraries, computer suites, and an Academic Skills Centre.

UC’s Rutherford Regional Science and Innovation Centre (RRSIC) allows Science students to access state-of-the-art, specialist teaching and research laboratories.

Research-led programmes

• We are home to over 40 recognised research centres, institutes, and hubs.
• UC is an important research university in Australasia.
• UC is ranked 3rd in New Zealand for research intensity of its academic staff.”

Support services

With dedicated support services, a focus on student health and well-being, and so many clubs, events, and outdoor adventure activities on our doorstep, you will have an unforgettable UC experience.

* QS World University Rankings by Subject, 2019.
An unforgettable student experience on campus

Diversity
UC embraces diversity and is inclusive of all ethnicities, nationalities, gender identities, and religions. Our vibrant campus makes it easy for you to make friends and form social groups that you can relate to.

International Welcome
This is a special orientation for all new international students, and is a great way for you to get to know the UC community.
www.canterbury.ac.nz/international/support/welcome

Study with Kiwi students
As part of your Study Abroad student experience, you’ll study alongside New Zealand students.

Your support team
UC has dedicated, trained staff who provide in-depth advice on settling into UC, and will support you throughout your semester.
www.canterbury.ac.nz/support

Balanced lifestyle
UC is the only fully purpose-built, self-contained residential university campus in the country. The campus is located just 5km from the city centre.

Join a club and get involved
There are more than 160 clubs at UC, covering almost every interest imaginable from sports, politics, and international, through to community, performing arts, and social focuses.
www.ucsa.org.nz/clubs/find-a-club

Sport and Fitness
UC Sport has group fitness, sport courts, social sport, and full weights and cardio options.
www.canterbury.ac.nz/ucreccentre

Basic gym membership is free to all students. Online sign up is essential. Small charges apply for non-basic services.
Study Abroad is a great way to expand your academic horizons and tackle exciting new subjects.

Combinations to suit you
The undergraduate Study Abroad tuition fee is a one-price package that enables you to choose courses from different subjects, so you can put together a programme of study that best meets your needs and interests. View pages 11-18 for available courses and see page 19 for fees and costs.

Try something new
UC offers a comprehensive range of courses, including several that you’re unlikely to come across in your home country, such as Māori language and culture, Antarctic Studies; and courses in New Zealand and Pacific literature, history, and politics. Whichever courses you choose, you’ll study alongside Kiwi students.

Semesters
At UC, semesters are as follows:
Semester 1 – February–June
Semester 2 – July–November
www.canterbury.ac.nz/courses

Workload
Standard workload is 60 points per semester. The minimum workload is 45 points and the maximum is 75 points per semester.

Courses and prerequisites
Arts, Commerce, and Science degrees at UC are three-year programmes, therefore 300-level courses are the most advanced undergraduate courses offered. The 400-level courses in these subjects are postgraduate courses, only open to graduate-level students.
Professional degrees such as Engineering, Forestry, Social Work, and Speech and Language Pathology are four-year programmes, and 400-level courses in these subjects may be available to Study Abroad students with sufficient previous study.
As long as you meet prerequisite requirements, you can normally take most undergraduate courses offered at UC. A few areas have courses which have limited entry.
www.canterbury.ac.nz/enrol/special
UC will seek pre-approval for you to take the courses you list with your online application so that you know before arriving that you can take the courses you need.
For questions about how your UC courses will transfer to your home university degree, please consult with the Study Abroad office at your home university.
Note: before leaving home, check that your courses can be credited to your home university degree.

Study outside the classroom
UC has an extensive network of field stations for student and staff research. These offer multiple field study opportunities, and many Science courses include field trips that feature New Zealand’s unique flora and fauna, geology, biodiversity, and marine life.

Postgraduate study
UC also welcomes applications to postgraduate courses from graduate students who have completed a bachelor’s degree overseas.
For information on postgraduate courses, prerequisites, and tuition fees, go to www.canterbury.ac.nz/courses
### 2019 Undergraduate Courses

Course information is subject to change. The following undergraduate courses are offered in 2019 and are indicative only, and not a complete list. When planning your courses, make sure you go to [www.canterbury.ac.nz/courses](http://www.canterbury.ac.nz/courses) and check that your courses are offered in the semester you plan to study at UC.

#### Accounting
- ACCT 102 Accounting and Financial Information
- ACCT 103 Accounting and Taxation: An Introduction
- ACCT 152 Law and Business
- ACCT 211 Financial Accounting
- ACCT 212 Accountants' Skills, Attributes and Practice
- ACCT 222 Management Accounting
- ACCT 252 Law of Business Contracts
- ACCT 254 Taxation
- ACCT 256 Law of Business Organisations
- ACCT 311 Financial Accounting: Theory and Practice
- ACCT 312 Advanced Financial Accounting
- ACCT 316 Public Management and Governance
- ACCT 332 Advanced Management Accounting
- ACCT 340 Social and Environmental Reporting
- ACCT 341 Public Accounting and Finance
- ACCT 346 Auditing
- ACCT 356 Advanced Auditing
- ACCT 358 Advanced Taxation
- ACCT 359 Further Issues in Advanced Taxation
- ACCT 390 Accounting Internship

#### Antarctic Studies
- ANTA 101 Antarctica
- ANTA 102 Antarctica: The Cold Continent
- ANTA 103 Antarctica: Life in the Cold

#### Anthropology
- ANTH 102 Cultural Diversity and The Making of The Modern World
- ANTH 105 Human Evolution
- ANTH 212 Kinship and Family in Comparative Perspective
- ANTH 213 Environment, Development and Disaster
- ANTH 223 Ethnicity and History
- ANTH 238 Exploring the Past: Museums, Memory and Material Culture
- ANTH 301 Doing Ethnography: Concepts and Practices
- ANTH 312 Kinship and Family in Comparative Perspective
- ANTH 313 Environment, Development and Disaster
- ANTH 388 Contested Heritage: Politics, Power and Practice

#### Art History and Theory
- ARTH 103 ‘Picasso who?’ Introducing Modern Art
- ARTH 112 Art and Things: Introduction to Art History and Material Culture
- ARTH 210 Japanese Art
- ARTH 215 Contemporary Art Images in circulation: Print, photography, and pixels
- ARTH 325 Aesthetic Theory
- ARTH 328 Art of the Floating World
- ARTH 329 In search of Nowhere: the international Arts and Crafts Movement
- ARTH 330 Medium and Materiality in Contemporary Art

#### Astronomy
- ASTR 112 Astrophysics
- ASTR 211 Observational Astronomy
- ASTR 231 Observational Astronomy
- ASTR 326 Special Topic: Stars and the Interstellar Medium
- ASTR 381 Advanced Experiments in Physics and Astronomy
- ASTR 391 Introductory Astronomy Research

#### Biochemistry
- BCHM 111 Cellular Biology and Biochemistry
- BCHM 112 Structure and Reactivity in Chemistry and Biochemistry
- BCHM 202 Foundations in Molecular Biology
- BCHM 206 Organic Chemistry
- BCHM 207 Special Topic
- BCHM 212 Chemical Reactivity
- BCHM 222 BIOCHEMISTRY B - Metabolism; the reactions of molecules in cells
- BCHM 253 Cell Biology I
- BCHM 257 Practical Biochemistry
- BCHM 303 Special Topic
- BCHM 304 Special Topic
- BCHM 305 Protein Science
- BCHM 306 Biochemical Pathology
- BCHM 358 Chemical Biology
- BCHM 359 Biorganic and Bioorganic Chemistry
- BCHM 381 Biochemical Techniques

#### Biological Sciences
- BIOL 111 Cellular Biology and Biochemistry
- BIOL 112 Ecology, Evolution and Conservation
- BIOL 113 Diversity of Life
- BIOL 116 Human Biology
- BIOL 209 Biological Data Analysis
- BIOL 210 Vertebrate Biology
- BIOL 212 Marine Biology and Ecology
- BIOL 213 Microbiology and Genetics
- BIOL 215 Origins and Classification of Life
- BIOL 231 Foundations in Molecular Biology
- BIOL 250 Principles of Animal Physiology
- BIOL 253 Cell Biology I
- BIOL 254 Principles of Plant Physiology
- BIOL 270 Ecology
- BIOL 271 Evolution
- BIOL 272 Principles of Animal Behaviour
- BIOL 273 New Zealand Biodiversity and Biosecurity
- BIOL 305 Practical Field Botany
- BIOL 306 Special Topic
- BIOL 307 Special Topic
- BIOL 308 Special Topic
- BIOL 309 Experimental Design and Data Analysis for Biologists
- BIOL 313 Advanced Microbiology
- BIOL 332 Genetics, Evolution and Ecology of Invasive Species
- BIOL 333 Molecular Genetics
- BIOL 334 Evolutionary Genetics and Genomics
- BIOL 351 Cell Biology 2
- BIOL 352 Plant Development and Biotechnology
- BIOL 354 Animal Ecophysiology
- BIOL 355 Neurons, Hormones and Behaviour
- BIOL 371 Evolutionary Ecology
- BIOL 375 Freshwater Ecosystems
- BIOL 376 Global Change and Biosecurity
- BIOL 378 Population Ecology and Conservation
- BIOL 383 Behavioural Ecology
- BIOL 384 Marine Ecosystems

#### Business
- BSNS 201 Business and Culture
- BSNS 202 Special Topic: Enterprise in Practice - Project
- BSNS 299 UC Employability Portfolio

#### Chemical and Process Engineering
- ENCH 199 Workshop Training
- ENCH 201 Principles Of Biology For Engineers
- ENCH 202 Principles Of Biology For Engineers
- ENCH 291 Mass and Energy Balances
- ENCH 292 Heat and Mass Transfer Operations
- ENCH 293 Fluid Mechanics I
- ENCH 295 Chemical Engineering Thermodynamics
- ENCH 296 Chemical Engineering Professional Practice
- ENCH 298 Chemical Engineering Mathematics
- ENCH 300 Process Analysis
- ENCH 391 Process Systems and Control
- ENCH 392 Thermodynamics And Chemical Reaction Engineering
- ENCH 393 Fluid Mechanics and Heat Transfer
- ENCH 394 Process Engineering Design
- ENCH 395 Process Engineering Laboratories
- ENCH 396 Chemical Engineering Separations
- ENCH 475 Independent Course
- ENCH 482 Bioprocess Engineering 2
- ENCH 483 Advanced Energy Processing Technologies and Systems
- ENCH 484 Advanced Modelling and Simulation
- ENCH 494 Process Engineering Design 3
- ENCH 495 Research Project
- ENCH 496 Advanced Separations
- ENCH 497 Process Management

#### Chemistry
- CHEM 111 Chemical Principles and Processes
- CHEM 112 Structure and Reactivity in Chemistry and Biochemistry
- CHEM 114 Foundations of Chemistry
- CHEM 211 Molecules
- CHEM 212 Chemical Reactivity
- CHEM 242 Organic Chemistry
- CHEM 251 Foundations of Materials Science and Nanotechnology
- CHEM 255 Contemporary Chemistry: Technology, Environment, and Health
- CHEM 281 Practical Chemistry
- CHEM 327 Special Topic
- CHEM 328 Special Topic
- CHEM 329 Special Topic: Introductory Research in the Chemical Sciences
- CHEM 333 Chemical Physics
- CHEM 355 Organometallic Chemistry and Catalysis
- CHEM 336 Supramolecular Chemistry and Molecular Engineering
- CHEM 337 Organic Synthesis
- CHEM 340 Environmental Chemistry and Toxicology

www.canterbury.ac.nz
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 343</td>
<td>Materials Science and Nanotechnology</td>
</tr>
<tr>
<td>CHEM 381</td>
<td>Advanced Synthetic Techniques</td>
</tr>
<tr>
<td>CHEM 382</td>
<td>Instrumental Methods</td>
</tr>
<tr>
<td>CHIN 151</td>
<td>Chinese Language 1-A</td>
</tr>
<tr>
<td>CHIN 152</td>
<td>Chinese Language 1-B</td>
</tr>
<tr>
<td>CHIN 155</td>
<td>Understanding China</td>
</tr>
<tr>
<td>CHIN 206</td>
<td>Chinese Cinema and Contemporary Chinese Culture</td>
</tr>
<tr>
<td>CHIN 251</td>
<td>Chinese Language 2-A</td>
</tr>
<tr>
<td>CHIN 252</td>
<td>Chinese Language 2-B</td>
</tr>
<tr>
<td>CHIN 351</td>
<td>Chinese Language 3-A</td>
</tr>
<tr>
<td>CHIN 352</td>
<td>Chinese Language 3-B</td>
</tr>
<tr>
<td>CINE 102</td>
<td>The Backpacker's Guide to World Cinema</td>
</tr>
<tr>
<td>CINE 104</td>
<td>The Oscar for Best Picture: The Envelope Please!</td>
</tr>
<tr>
<td>CINE 201</td>
<td>Hollywood and Genre</td>
</tr>
<tr>
<td>CINE 202</td>
<td>Film and Theory</td>
</tr>
<tr>
<td>CINE 213</td>
<td>Kiriati: Māori Film and Media</td>
</tr>
<tr>
<td>CINE 214</td>
<td>European Novels and Film Adaptations</td>
</tr>
<tr>
<td>CINE 215</td>
<td>Chinese Cinema and Contemporary Chinese Culture</td>
</tr>
<tr>
<td>CINE 301</td>
<td>Film History: The Sixties and the New Wave</td>
</tr>
<tr>
<td>CINE 302</td>
<td>Documentary: From the Margins to the Mainstream</td>
</tr>
<tr>
<td>CMDS 343</td>
<td>Materials Science and Nanotechnology</td>
</tr>
<tr>
<td>CMDS 381</td>
<td>Advanced Synthetic Techniques</td>
</tr>
<tr>
<td>CMDS 382</td>
<td>Instrumental Methods</td>
</tr>
<tr>
<td>CMDS 394</td>
<td>Media and Communications</td>
</tr>
<tr>
<td>CMDS 395</td>
<td>Geotechnical Engineering</td>
</tr>
<tr>
<td>CMDS 396</td>
<td>Structural Steel</td>
</tr>
<tr>
<td>CMDS 397</td>
<td>Structural Concrete</td>
</tr>
<tr>
<td>CMDS 398</td>
<td>Timber Structures</td>
</tr>
<tr>
<td>CMDS 399</td>
<td>Structural Systems</td>
</tr>
<tr>
<td>CMDS 400</td>
<td>Independent Course of Study</td>
</tr>
<tr>
<td>CMDS 401</td>
<td>Special Topic Engineering in Developing Communities</td>
</tr>
<tr>
<td>CMDS 402</td>
<td>Traffic Engineering</td>
</tr>
<tr>
<td>CMDS 403</td>
<td>Pavement Engineering</td>
</tr>
<tr>
<td>CMDS 404</td>
<td>Water Infrastructure and Design</td>
</tr>
<tr>
<td>CMDS 405</td>
<td>Environmental Fluid Mechanics</td>
</tr>
<tr>
<td>CMDS 406</td>
<td>Advanced Geotechnical Engineering</td>
</tr>
<tr>
<td>CMDS 407</td>
<td>Geotechnical Earthquake Engineering</td>
</tr>
<tr>
<td>CMDS 408</td>
<td>Professional Engineering Development</td>
</tr>
<tr>
<td>CMDS 409</td>
<td>Environmental Engineering Design Project</td>
</tr>
<tr>
<td>CMDS 410</td>
<td>Fire Engineering</td>
</tr>
</tbody>
</table>

### Classics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLAS 104</td>
<td>Greek Mythologies</td>
</tr>
<tr>
<td>CLAS 105</td>
<td>Roman Mythologies</td>
</tr>
<tr>
<td>CLAS 111</td>
<td>Greek History</td>
</tr>
<tr>
<td>CLAS 112</td>
<td>Roman History</td>
</tr>
<tr>
<td>CLAS 134</td>
<td>Beginners' Greek A</td>
</tr>
<tr>
<td>CLAS 135</td>
<td>Beginners' Greek B</td>
</tr>
<tr>
<td>CLAS 144</td>
<td>Beginners' Latin A</td>
</tr>
<tr>
<td>CLAS 145</td>
<td>Beginners' Latin B</td>
</tr>
<tr>
<td>CLAS 213</td>
<td>Alexander the Great</td>
</tr>
<tr>
<td>CLAS 220</td>
<td>Troy and Ancient Epic</td>
</tr>
<tr>
<td>CLAS 222</td>
<td>Ancient Economies</td>
</tr>
<tr>
<td>CLAS 234</td>
<td>Intermediate Greek Authors 1</td>
</tr>
<tr>
<td>CLAS 235</td>
<td>Intermediate Greek Authors 2</td>
</tr>
<tr>
<td>CLAS 244</td>
<td>Intermediate Latin Authors A</td>
</tr>
<tr>
<td>CLAS 245</td>
<td>Intermediate Latin Authors B</td>
</tr>
<tr>
<td>CLAS 310</td>
<td>Writing in Chains: Latin Literature and Roman Slavery</td>
</tr>
<tr>
<td>CLAS 325</td>
<td>Roman Social History</td>
</tr>
<tr>
<td>CLAS 326</td>
<td>Concepts of Art and Literature from Homer to Aristotle</td>
</tr>
<tr>
<td>CLAS 335</td>
<td>Advanced Greek Authors</td>
</tr>
<tr>
<td>CLAS 345</td>
<td>Advanced Latin Authors</td>
</tr>
</tbody>
</table>

### Communication Disorders (Speech and Language Pathology)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMDS 113</td>
<td>Introduction to Communication Disorders</td>
</tr>
<tr>
<td>CMDS 114</td>
<td>The Science of Human Communication</td>
</tr>
<tr>
<td>CMDS 161</td>
<td>Anatomy and Physiology of the Speech, Hearing and Swallowing Mechanism</td>
</tr>
<tr>
<td>CMDS 222</td>
<td>Language Disorders in Children</td>
</tr>
<tr>
<td>CMDS 223</td>
<td>Clinical Linguistics and Phonetics</td>
</tr>
<tr>
<td>CMDS 232</td>
<td>Speech Sound Disorders</td>
</tr>
<tr>
<td>CMDS 243</td>
<td>Introduction to Audiologic Assessment and Management</td>
</tr>
<tr>
<td>CMDS 263</td>
<td>Evaluating Research for Clinical Practice</td>
</tr>
<tr>
<td>CMDS 281</td>
<td>Observation and Clinical Practice 1</td>
</tr>
<tr>
<td>CMDS 282</td>
<td>Clinical Practice 2</td>
</tr>
<tr>
<td>CMDS 320</td>
<td>Spoken and Written Language Disorders in Education</td>
</tr>
<tr>
<td>CMDS 363</td>
<td>Motor Speech Disorders</td>
</tr>
<tr>
<td>CMDS 365</td>
<td>Dysphagia and Related Disorders - Diagnosis</td>
</tr>
<tr>
<td>CMDS 366</td>
<td>Dysphagia and Related Disorders - Management</td>
</tr>
<tr>
<td>CMDS 367</td>
<td>Voice Service and Disorders</td>
</tr>
<tr>
<td>CMDS 369</td>
<td>Aphasia and Related Disorders</td>
</tr>
<tr>
<td>CMDS 381</td>
<td>Applied Research and Clinical Practice 3</td>
</tr>
<tr>
<td>CMDS 382</td>
<td>Clinical Practice 4</td>
</tr>
<tr>
<td>CMDS 420</td>
<td>Professional Studies 1</td>
</tr>
<tr>
<td>CMDS 451</td>
<td>Fluency Disorders</td>
</tr>
<tr>
<td>CMDS 461</td>
<td>Complex Communication Disorders</td>
</tr>
<tr>
<td>CMDS 468</td>
<td>Professional Studies 2</td>
</tr>
<tr>
<td>CMDS 482</td>
<td>Clinical Practice 5</td>
</tr>
<tr>
<td>CMDS 484</td>
<td>Clinical Practice 6</td>
</tr>
<tr>
<td>CMDS 490</td>
<td>Research Project</td>
</tr>
<tr>
<td>CMDS 491</td>
<td>Capstone Project</td>
</tr>
</tbody>
</table>

### Community Engagement

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHCH 101</td>
<td>Strengthening Communities through Social Innovation</td>
</tr>
</tbody>
</table>

### Computer Engineering

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENCE 260</td>
<td>Computer Systems</td>
</tr>
<tr>
<td>ENCE 360</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>ENCE 361</td>
<td>Embedded Systems 1</td>
</tr>
<tr>
<td>ENCE 461</td>
<td>Embedded Systems 2</td>
</tr>
<tr>
<td>ENCE 464</td>
<td>Embedded Software and Advanced Computing</td>
</tr>
</tbody>
</table>

### Computer Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 101</td>
<td>Working in a Digital World: Introduction to Computer Programming</td>
</tr>
<tr>
<td>COSC 121</td>
<td>Introduction to Computer Science</td>
</tr>
<tr>
<td>COSC 261</td>
<td>Formal Languages and Compilers</td>
</tr>
<tr>
<td>COSC 262</td>
<td>Algorithms</td>
</tr>
<tr>
<td>COSC 264</td>
<td>Introduction to Computer Networks and the Internet</td>
</tr>
<tr>
<td>COSC 265</td>
<td>Relational Database Systems</td>
</tr>
<tr>
<td>COSC 362</td>
<td>Data and Network Security</td>
</tr>
<tr>
<td>COSC 363</td>
<td>Computer Graphics</td>
</tr>
<tr>
<td>COSC 364</td>
<td>Internet Technology and Engineering</td>
</tr>
<tr>
<td>COSC 366</td>
<td>Research Project</td>
</tr>
<tr>
<td>COSC 367</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>COSC 368</td>
<td>Humans and Computers</td>
</tr>
</tbody>
</table>

### Criminal Justice

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJU 101</td>
<td>Introduction to Criminal Justice</td>
</tr>
<tr>
<td>CRJU 201</td>
<td>Crime and Justice</td>
</tr>
<tr>
<td>CRJU 202</td>
<td>Criminal Law and Procedure</td>
</tr>
<tr>
<td>CRJU 211</td>
<td>Forensic Science for Criminal Justice</td>
</tr>
<tr>
<td>CRJU 301</td>
<td>Sentencing Theory and Practice</td>
</tr>
<tr>
<td>CRJU 302</td>
<td>Prisons and Corrections</td>
</tr>
<tr>
<td>CRJU 304</td>
<td>Research Essay in Criminal Justice</td>
</tr>
</tbody>
</table>

### Cultural Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CULT 114</td>
<td>Aotearoa - Introduction to New Zealand</td>
</tr>
<tr>
<td>CULT 150</td>
<td>Music in Aotearoa</td>
</tr>
<tr>
<td>CULT 201</td>
<td>Media Audiences</td>
</tr>
<tr>
<td>CULT 202</td>
<td>Cultural Politics/ Culture Activism</td>
</tr>
<tr>
<td>CULT 206</td>
<td>From Bambi to Kong: The Animal in Popular Culture</td>
</tr>
<tr>
<td>CULT 207</td>
<td>Constructing Bodies</td>
</tr>
<tr>
<td>CULT 219</td>
<td>Te Tiriti: The Treaty of Waitangi</td>
</tr>
<tr>
<td>CULT 252</td>
<td>Takahi Colonisation</td>
</tr>
<tr>
<td>CULT 303</td>
<td>Sexualities in Culture</td>
</tr>
<tr>
<td>CULT 310</td>
<td>Sociology of the City</td>
</tr>
<tr>
<td>CULT 319</td>
<td>Ngāti Apopo: Māori Futures</td>
</tr>
<tr>
<td>CULT 322</td>
<td>Documentary: From the Margins to the Mainstream</td>
</tr>
<tr>
<td>CULT 333</td>
<td>The Exotic</td>
</tr>
<tr>
<td>CULT 336</td>
<td>Heroines in History</td>
</tr>
<tr>
<td>CULT 352</td>
<td>Crime Stories</td>
</tr>
</tbody>
</table>

### Data Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DATA 201</td>
<td>Data Wrangling</td>
</tr>
<tr>
<td>DATA 301</td>
<td>Big Data Computing and Systems</td>
</tr>
</tbody>
</table>

### Digital Humanities

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIGI 101</td>
<td>Working in a Digital World</td>
</tr>
<tr>
<td>DIGI 102</td>
<td>Computers, Artificial Intelligence, and the Information Society</td>
</tr>
<tr>
<td>DIGI 103</td>
<td>Statistics 1</td>
</tr>
<tr>
<td>DIGI 125</td>
<td>Technologies 1</td>
</tr>
<tr>
<td>DIGI 202</td>
<td>Cyberspace, Cyborgs, and the Meaning of Life</td>
</tr>
<tr>
<td>DIGI 205</td>
<td>Introduction to Geographic Information Systems</td>
</tr>
<tr>
<td>DIGI 207</td>
<td>Social Media and Public Life</td>
</tr>
<tr>
<td>DIGI 210</td>
<td>Big Data and society: Navigating Concepts, Methods and Critical Perspectives</td>
</tr>
<tr>
<td>DIGI 301</td>
<td>Reading Digitally: Electronic Texts in Literary Culture</td>
</tr>
<tr>
<td>DIGI 302</td>
<td>Cyberspace, Cyborgs, and the Meaning of Life</td>
</tr>
</tbody>
</table>

### Economics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 104</td>
<td>Introduction to Macroeconomics</td>
</tr>
<tr>
<td>ECON 105</td>
<td>Introduction to Microeconomics</td>
</tr>
<tr>
<td>ECON 206</td>
<td>Intermediate Macroeconomics</td>
</tr>
<tr>
<td>ECON 207</td>
<td>Intermediate Microeconomics - Households and Government</td>
</tr>
<tr>
<td>ECON 208</td>
<td>Intermediate Microeconomics - Firms and Markets</td>
</tr>
<tr>
<td>ECON 213</td>
<td>Introduction to Econometrics</td>
</tr>
</tbody>
</table>
ENEL 223 International Trade Theory for Business, Science and Politics
ENEL 225 Environmental Economics
ENEL 228 Study Tour to South America
ENEL 310 Economic Thinking for Business
ENEL 314 Economic Analysis of “Big Data”
ENEL 321 Microeconomic Analysis
ENEL 323 Time Series Methods
ENEL 324 Econometrics
ENEL 326 Macro and Monetary Economics
ENEL 339 Financial Economics in Advanced Economics 1
ENEL 338 Health Economics Overview
ENEL 339 The Economics of European Integration
ENEL 340 Development Economics
ENEL 343 The Economics of Innovation, Creativity and Intellectual Property
ENEL 344 International Finance Internship or Consultancy Project

Education
Contact the International Relationships Office for further information on Teacher Education courses.

CHCH 101 Strengthening Communities through Social Innovation
EDUC 101 Spark! How & What People Learn
EDUC 102 Child and Adolescent Development
EDUC 103 Education, Culture and Society
EDUC 202 One in Four: Different Developmental Pathways
EDUC 204 Promoting Child and Adolescent Wellbeing and Health
EDUC 206 Education and Society: Ideals and Realities
EDUC 302 Researching Development: Opportunities and Risks in Adolescence
EDUC 315 Educating for Diversity
EDUC 339 Globalisation, Social Justice and Education

Electrical and Electronic Engineering
ENEL 198 Electrical Workshop Course
ENEL 199 Basic Workshop Course
ENEL 200 Electrical and Computer Engineering Design
ENEL 220 Circuits and Signals
ENEL 270 Principles of Electronics and Devices
ENEL 280 Principles of Electrical Systems
ENEL 290 Waves and Materials in Electrical Engineering
ENEL 300 Electrical and Computer Engineering Design 2
ENEL 301 Fundamentals of Engineering Economics and Management
ENEL 320 Signals and Communications
ENEL 321 Control Systems
ENEL 322 Power and Analogue Electronics
ENEL 323 Digital Electronics and Devices
ENEL 322 Electric Power and Machines
ENEL 340 Electrical and Computer Engineering Research Project
ENEL 420 Advanced Signals Communications Engineering
ENEL 421 Special Topic in Communications Engineering
ENEL 441 Special Topic in Electrical and Electronic Engineering
ENEL 442 Special Topic in Electrical and Electronic Engineering
ENEL 443 Independent Course of Study
ENEL 471 Power Electronics 2
ENEL 480 Electrical Power Systems
ENEL 481 Electrical Machines
ENEL 491 Nano Engineered Electronic Devices

Engineering
ENGR 100 Academic Writing Assessment
ENGR 101 Foundations of Engineering
ENGR 102 Engineering Mechanics
ENGR 200 Engineering Work Experience
ENGR 210 Independent Course of Study
ENGR 211 Special Topic in Engineering
ENGR 212 Special Topic in Engineering
ENGR 301 Special Topic in Engineering
ENGR 303 Special Topic in Engineering
ENGR 304 Independent Course of Study
ENGR 310 Independent Course of Study
ENGR 315 Humanitarian Engineering Practice
ENGR 401 Computational Fluid Dynamics
ENGR 402 Special Topic: Rocket Systems Design and Control
ENGR 403 Fire Engineering
ENGR 404 Renewable Energy Technologies and Management
ENGR 405 Industrial Pollution Control
ENGR 407 Bioprocess Engineering 1
ENGR 410 Independent Course of Study
ENGR 416 Independent Course of Study
ENGR 476 Independent Course of Study
ENGR 477 Independent Course of Study

Engineering Geology
ENGE 417 Foundations of Engineering Geology

Engineering Mathematics
EMTH 110 Engineering Mathematics Tutorial
EMTH 118 Engineering Mathematics 1A
EMTH 119 Engineering Mathematics 1B
EMTH 121 Mathematical Modelling and Computation
EMTH 210 Engineering Mathematics 2
EMTH 211 Engineering Linear Algebra and Statistics
EMTH 271 Mathematical Modelling and Computation 2
EMTH 410 Special Topic in Engineering Mathematics
EMTH 411 Special Topic in Engineering Mathematics
EMTH 412 Special Topic in Engineering Mathematics
EMTH 413 Special Topic in Engineering Mathematics
EMTH 414 Special Topic in Engineering Mathematics
EMTH 415 Special Topic in Engineering Mathematics

Environmental Science
ENVR 101 Introduction to Environmental Science
ENVR 201 Environmental Science and Practice
ENVR 301 Environmental Science: Cities and Coasts
ENVR 356 Field-focused Research Methods in Environmental Science

European and European Union Studies
EURA 101 Global Europe
EURA 104 European Languages in Europe and Beyond
EURA 201 European Identity and Culture: Multicultural Societies of Europe and the European Union
EURA 204 European Novels and Film Adaptations
EURA 210 European Integration from Community to Union
EURA 223 The EU, Globalization and Migration
EURA 224 Democratic and Economic Evolution of Europe
EURA 226 The Rise and Fall of Communism in Central and Eastern Europe, 1944–1991
EURA 234 Special Topic: European Foreign and Security Policy in the 21st Century
EURA 235 Tsardom to Empire: Russian History 1480 to 1917
EURA 301 European Identity and Culture: Multicultural Societies of Europe and the European Union
EURA 304 European Novels and Film Adaptations
EURA 310 European Integration from Community to Union
EURA 326 The Rise and Fall of Communism in Central and Eastern Europe, 1944–1991
EURA 330 Special Topic: Contemporary Policy Challenges in the European Union
EURA 333 European Public Law
EURA 335 European Union: The Rise and Fall of Communion in Central and Eastern Europe, 1944–1991
EURA 339 The Economics of European Integration

Exercise Science, see Sport Coaching

Finance
FINC 101 Personal Finance
FINC 201 Business Finance
FINC 203 Financial Markets, Institutions and Instruments
FINC 301 Corporate Finance Theory and Policy
FINC 305 Financial Modelling
FINC 308 Applied Financial Analysis and Valuation

www.canterbury.ac.nz
**Forestry**
- **FORE/uni00A0327** Wood Science
- **FORE/uni00A0316** Forest Management
- **FORE/uni00A0307** Plantation Silviculture
- **FORE/uni00A0224** Biometry 1b
- **FORE/uni00A0222** Biometry 1a
- **FORE/uni00A0205** Introduction to Forestry Management

**Geography**
- **GEOG 106** Introduction to GIS
- **GEOG 109** Physical Geography
- **GEOG 110** Human Geography
- **GEOG 201** Environmental Processes and Global Change
- **GEOG 202** Global Environmental Change
- **GEOG 205** Geographical Information Systems

**Health Sciences**
- **HLED 121** Introduction to Health Education
- **HLED 122** Building Resilience
- **HLTH 101** Introduction to Health Studies
- **HLTH 106** Ngā Take, Te Wero - Māori Health Issues and Opportunities
- **HLTH 110** Epidemiology
- **HLTH 111** Global Health
- **HLTH 221** Models of Health Education
- **HLTH 222** Sexualities Education
- **HLTH 223** Nutrition and Physical Activity
- **HLTH 201** Health Promotion
- **HLTH 202** Health and Society: Applied Research for Aotearoa/New Zealand Health Systems and Policy
- **HLTH 213** Health Promotion
- **HLTH 214** Environmental and Occupational Health
- **HLTH 321** Health Education in Practice - INTERNSHIP
- **HLTH 322** Critical Analysis of Contemporary Health Issues
- **HLTH 301** Evidence in Health
- **HLTH 312** Health Planning, Implementation and Evaluation

**History**
- **HIST 127** American History
- **HIST 133** Medieval Europe: from Rome to the Black Death
- **HIST 136** Revolutions and Revolutionaries
- **HIST 137** Modern World History
- **HIST 235** Tsarism to Empire: Russian History 1480 to 1917
- **HIST 399** The First World War: Total War in Europe
- **HIST 243** Kiwi Culture
- **HIST 253** Renaissance and Reformation Europe

**Human Services**
- **HSRV 101** Introduction to Social Policy
- **HSRV 102** Introduction to Social Policy
- **HSRV 163** Youth Realities
- **HSRV 201** Communication in the Human Services
- **HSRV 202** Human Behaviour and Human Systems
- **HSRV 203** Policy Debates in the Social Services
- **HSRV 204** Culture, Indigeneity and Citizenship: Critical Debates for the Human Services
Mathematics
MATH 101 Methods of Mathematics
MATH 102 Mathematics IA
MATH 103 Mathematics IB
MATH 110 Foundations of Applied Mathematics and Statistics
MATH 120 Discrete Mathematics
MATH 201 Multivariable Calculus
MATH 202 Differential Equations
MATH 203 Linear Algebra
MATH 220 Discrete Mathematics and Cryptography
MATH 240 Analysis and Groups
MATH 270 Mathematical Modelling and Computation 2
MATH 302 Partial Differential Equations
MATH 303 Applied Matrix Algebra
MATH 320 Discrete Mathematics
MATH 321 Rings and Fields
MATH 324 Cryptography and Coding Theory
MATH 343 Metric, Normed and Hilbert Spaces
MATH 353 Computational Mathematics and Applications
MATH 363 Dynamical Systems
MATH 365 Applications of Complex Variables
MATH 380 Mathematics in Perspective
MATH 391 Special Topic
MATH 392 Special Topic
MATH 393 Independent Course of Study
MATH 394 Independent Course of Study
MATH 395 Mathematics Project

Mechanical Engineering
ENME 199 Workshop Training Course for Mechanical and Mechatronics Engineering
ENME 201 Design Communication
ENME 202 Stress, Strain and Deformation in Machine Elements
ENME 203 Dynamics and Vibrations
ENME 207 Materials Science and Engineering
ENME 215 Engineering Thermodynamics
ENME 221 Engineering Design and Manufacture
ENME 299 Independent course of Study
ENME 301 Engineering Design and Production Quality
ENME 302 Computational and Applied Mechanical Analysis
ENME 303 Controls and Vibrations
ENME 307 Performance of Engineering Materials
ENME 311 Engineering Design and Production Management
ENME 313 Electro Technology for Mechanical Engineers
ENME 314 Fluid Mechanics
ENME 315 Heat Transfer
ENME 396 Independent Course of Study
ENGR 401 Computational Fluid Dynamics
ENME 401 Mechanical Systems Design
ENME 403 Systems Control and System Identification
ENME 404 Aerodynamics and Ground Vehicle Dynamics
ENME 405 Energy Systems Engineering
ENME 406 Engineering Product Design and Analysis
ENME 408 Honours Research and Development Project
ENME 409 Physiological Modelling
ENME 411 Advanced Mechanical System Design
ENME 412 Advanced Vibrations
ENME 418 Engineering Management and Professional Practice for Mechanical Engineers
ENME 446 Independent Course of Study
ENME 480 Special Topic: Industrial Projects
ENME 482 Independent Course of Study
ENME 483 Special Topic
ENME 484 Special Topic: HVAC Engineering
ENME 485 Special Topic: Propulsion

Mechatronics Engineering
ENMT 201 Mechatronics Design
ENMT 301 Mechatronics System Design
ENMT 401 Mechatronics
ENMT 402 Honours Research and Development Project
ENMT 482 Robotics

Media and Communication
COMS 101 Media and Society
COMS 102 Introduction to News and Journalism
COMS 104 Introduction to Strategic Communication
COMS 201 Media Audiences
COMS 204 Advertising and Cultural Consumption
COMS 205 Media and Politics
COMS 207 Social Media and Public Life
COMS 225 Politics and New Media
COMS 304 Journalists at Work
COMS 306 Media and Conflict
COMS 307 Broadcasting Aotearoa
COMS 395 New Zealand: Online and On Air
COMS 320 Strategic Campaign Development

Music
MUSA 100 Essentials in Music Techniques
MUSA 101 Musicianship, Harmony and Analysis I
MUSA 120 Song Writing I
MUSA 121 Notation Composition 1A
MUSA 122 Notation Composition 1B
MUSA 125 Music Technologies
MUSA 131 Orchestration and Autotune Performance Major 1A
MUSA 141 Performance Major 1B
MUSA 142 Performance (Non-Major) 1

Natural Resources Engineering
ENCN 201 Communication Skills Portfolio 1
ENCN 213 Design Studio 1
ENCN 221 Engineering Materials
ENCN 231 Solid Mechanics
ENCN 242 Fluid Mechanics and Hydrology
ENCN 253 Soil Mechanics
ENCN 261 Transport and Surveying
ENCN 281 Environmental Engineering
ENCN 301 Communication Skills Portfolio 2
ENCN 304 Deterministic
ENCN 305 Mathematical Methods Programming, Statistics and Optimization
ENCN 342 Fluid Mechanics and Hydraulics
ENCN 353 Geotechnical Engineering
ENCN 371 Project and Infrastructure Management
ENNR 340 Integrated Catchment Analysis
ENNR 401 Ecological Engineering
ENNR 402 Engineering in Developing Communities
ENNR 412 Traffic Engineering
ENNR 415 Pavement Engineering

Pacific Studies
PACS 102 Aotearoa: Introduction to Traditional Māori Society
PACS 395 International Politics: New Zealand Foreign Policy

Philosophy
PHIL 110 Science: Good, Bad, and Bogus
PHIL 132 God, Mind, and Freedom
PHIL 133 Philosophy and Human Nature
PHIL 136 Ethics Today
PHIL 137 Computers, Artificial Intelligence, and the Information Society
PHIL 138 Logic and Critical Thinking
PHIL 139 Ethics, Politics and Justice
PHIL 203 Dinosaurs, Quarks and Quasars: The Philosophy of Science
PHIL 208 The Brain Gym: An Introduction to Logic
PHIL 229 Philosophy of Religion: Rationality, Science, and the God Hypothesis
PHIL 233 Epistemology and Metaphysics
PHIL 235 Cyberspace, Cyborgs, and the Meaning of Life
PHIL 236 Ethics
PHIL 240 Bioethics: Life, Death, and Medicine
PACE 395 Project
PHIL 303 Quarks, Quasars and Dinosaurs: The Philosophy of Science
PHIL 308 The Brain Gym: An Introduction to Logic
PHIL 310 History of Philosophy
PHIL 318 Philosophy of Religion: Rationality, Science, and the God Hypothesis
PHIL 321 Ethics
PHIL 324 Bioethics: Life, Death, and Medicine
PHIL 328 Independent Course of Study
PHIL 335 Cyberspace, Cyborgs and the Meaning of Life
Plan your study

‘Everyone is so laid back and easy going and I love this about New Zealand. You really get to know lecturers on a personal level and develop a connection with them.’

Laura Schnelle
Germany

UC offers undergraduate courses in the following subjects:

<table>
<thead>
<tr>
<th>Accounting</th>
<th>Electrical and Electronic Engineering</th>
<th>Marketing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antarctic Studies</td>
<td>Engineering</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Ancient Greek</td>
<td>English</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Anthropology</td>
<td>English Language</td>
<td>Mechatronics Engineering</td>
</tr>
<tr>
<td>Art History and Theory</td>
<td>Entrepreneurship</td>
<td>Media and Communication</td>
</tr>
<tr>
<td>Astronomy</td>
<td>Environmental Science</td>
<td>Music</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>European and European Union Studies</td>
<td>Natural Resources Engineering</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>Finance</td>
<td>Operations and Supply Chain Management</td>
</tr>
<tr>
<td>Biosecurity</td>
<td>Financial Engineering</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>Forest Engineering</td>
<td>Physics</td>
</tr>
<tr>
<td>Business Economics</td>
<td>Forestry</td>
<td>Political Science and International Relations</td>
</tr>
<tr>
<td>Business and Sustainability</td>
<td>French</td>
<td>Product Design</td>
</tr>
<tr>
<td>Chemical and Process Engineering</td>
<td>Geography</td>
<td>Professional and Community Engagement</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Geology</td>
<td>Psychology</td>
</tr>
<tr>
<td>Chinese</td>
<td>German</td>
<td>Russian</td>
</tr>
<tr>
<td>Cinema Studies</td>
<td>Health Sciences</td>
<td>Social Work</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>History</td>
<td>Sociology</td>
</tr>
<tr>
<td>Classics</td>
<td>Human Resource Management</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>Human Services</td>
<td>Spanish</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Information Systems</td>
<td>Speech and Language Pathology</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>Innovation</td>
<td>Sport Coaching (includes Exercise Science and Physical Education)</td>
</tr>
<tr>
<td>Cultural Studies</td>
<td>Japanese</td>
<td>Statistics</td>
</tr>
<tr>
<td>Data Science</td>
<td>Latin</td>
<td>Strategy and Entrepreneurship</td>
</tr>
<tr>
<td>Digital Humanities</td>
<td>Law</td>
<td>Taxation and Accounting</td>
</tr>
<tr>
<td>Ecology</td>
<td>Linguistics</td>
<td>Te Reo Māori (Māori language)</td>
</tr>
<tr>
<td>Economics</td>
<td>Management</td>
<td>Tourism Management and Marketing</td>
</tr>
<tr>
<td>Education</td>
<td>Māori and Indigenous Studies</td>
<td>Youth and Community Leadership</td>
</tr>
</tbody>
</table>
Learning through experience

Keen to go beyond the classroom as part of your Study Abroad semester? As a UC Student, you’ll have a once-in-a-lifetime opportunity to gain community service or work experience, and engage in hands-on field study.

**Internships at UC**

Apply your analytical skills to a real-world internship course, PACE 295.*

Internship students work with a local organisation or business on a special project, under the supervision of a specialist lecturer. Work can be completed throughout the semester and each project has measurable milestones.

Past interns have worked in areas as diverse as food sustainability, GIS mapping, film-making, social entrepreneurship, media and communications, and much more.

**Enterprise in Practice**

INOV 290* is a for-credit course that allows students to complete a project for a start-up venture, local business, social enterprise, or a student club. This project will enable you to apply your academic skills and knowledge to a practical project.

The course is taught from and supported by the staff at the Centre for Entrepreneurship (UCE), which also offers mentoring, seminars, and development bootcamps to students, to encourage entrepreneurial discovery and experimentation.

* See www.canterbury.ac.nz/courses for details of individual courses.

‘Returning to Christchurch to speak at the Community Engagement Summit really made my semester at UC come full circle. From taking CHCH 101, to starting my own volunteer efforts, to then sharing my experience so others could be inspired, was incredibly rewarding.’

Jessica Weston
USA
Service learning and Community Engagement

CHCH 101: Strengthening Communities through Social Innovation is a for-credit course, incorporating service learning. Building on the community spirit of the famous Student Volunteer Army (UC SVA), you'll complete up to 20 hours of community service related to social innovation and volunteerism in the Christchurch community.

As well as providing you with a course experience not available anywhere else in the world, CHCH 101 is a great opportunity to get to know New Zealand students and community members.

Get hands-on with applied learning

UC’s connections with local businesses means that many of our semester courses offer exciting off-campus experiences and applied learning.

Field study

Ocean, rivers, mountains, glaciers, and indigenous and exotic forests are all readily accessible for hands-on learning. The diversity of geography contained in a relatively small area acts as a natural laboratory for off-campus study, and makes UC an ideal option for students wishing to undertake Science field study.

UC operates an extensive network of field stations around the South Island, offering unparalleled access to New Zealand’s flora and fauna, geology, and marine life. Field trips are also a key component of courses as diverse as Māori and Indigenous Studies, Political Science and International Relations, and Sport Coaching.

More information

E: ucmobility@canterbury.ac.nz
www.canterbury.ac.nz/study/study-abroad-and-exchange/study-abroad

AT A GLANCE

1st New Zealand university to receive the prestigious QS 5 Star rating for internationally renowned research and training

95% of UC’s 2018 graduates chose innovation, entrepreneurship, work, or community-engaged learning in their study

100+ different subjects are offered from science to the arts
Guaranteed housing in a supportive, fun environment

UC offers excellent housing options to ensure you make the most of your Kiwi experience.

**UC Accommodation Student Village Study Abroad package**

To make your housing arrangements as easy and stress-free as possible, the UC Accommodation Student Village has put together a package specifically for students applying for the University-approved Study Abroad or Exchange programme.

On-campus housing is guaranteed for applications received by 1 December for a Semester 1 (February) 2020 start, or by 1 May for a Semester 2 (July) 2020 start.

Applications received after these dates are subject to availability.

Accommodation is provided in modern self-catered apartments just a few minutes’ walk from campus and close to supermarkets, malls, and public transport. Organised events and activities are offered to help you get settled, find the support you need, and, most importantly, enjoy the residential community on campus.

The apartments are home to students of all ages, at all levels of study, and from all over the world.

You’ll have a single, fully furnished room with internet access and shared kitchen, living, bathroom, and laundry facilities.

This package also includes the ‘Go Explore’ option, where you may be able to add on a free stay for up two weeks at another Campus Living Village property in Australia, before or after your UC semester.

For further information, please email live@ucaustralia.co.nz

If you are with a Study Abroad Programme, please check if an online application is required, or whether your application is part of a group contract.

‘I stayed in Ilam Apartments and was very pleased with the accommodation. I felt welcomed from the minute that I entered the Accommodation Office. I met people from all over the world, and it was a great fit for me as an exchange student.’

*Maria Ahrensberg
Denmark*
Other housing options

Homestay or private rental
www.canterbury.ac.nz/life/accommodation/homestay-and-private-board
www.canterbury.ac.nz/life/accommodation/private

Other halls of residence and villages
Students on a full-year Study Abroad or exchange programme (February–November) may choose to apply for one of UC’s other halls of residence or villages.
Please note application due dates apply.

Free airport pickup
If you are arriving in New Zealand for the first time, you are eligible for a free airport pickup service. Please ensure your accommodation has been booked and your accommodation provider is aware of your arrival date and time.
www.canterbury.ac.nz/international/how-do-i-enrol/prepare-for-your-move-to-nz/arriving-in-christchurch/airportpickup

More information
www.canterbury.ac.nz/life/accommodation/international/exchange

‘Back at my home university, the domestic and international students keep to themselves and don’t tend to interact much. Here at UC, I have found the exact opposite. You are part of the UC family, no matter where you are from.’

Zachary Logounov
USA
Study Abroad UC

See what our Study Abroad students have been up to during their studies and travels on our Facebook page www.facebook.com/StudyAbroadUC
Check out the day-to-day experiences of university students and staff at https://ucnow.canterbury.ac.nz
Photos: Left page, left to right: Wharariki Beach (Photo courtesy of Virginia Speidel, USA); Abel Tasman National Park (Photo courtesy of Kajsa Westberg, Sweden); Mount Aspiring National Park (Photo courtesy of Bryce Allen, USA); Fiordland (Photo courtesy of Catarena Cathcart, USA); Mt Dobson (Photo courtesy of Madi Bohling), USA; Milford Sound (Photo courtesy of Han Jing Teh, Singapore); Hokitika Gorge (Photo courtesy of Matt Guiang, USA).

Photos: Right page, left to right: Victoria Park (Photo courtesy of Oakley Wurzweiler, USA); Purakanunui Falls (Photo courtesy of John Van Citters, USA); Abel Tasman (Photo courtesy of Katherine Kucklewitz, USA); Mt Cook (Photo courtesy of Lukas Zeller, USA); Lake Pukaki (Photo courtesy of Reeves Goettee, USA).
If you are ready for a Study Abroad experience you’ll never forget, just follow the steps below.

Check your eligibility
In general, you are eligible to apply to study abroad at the University of Canterbury if you meet the following criteria:

• You have completed at least one year of university study at a recognised university or college (in many cases students who have completed less than a year of university study may also be eligible to apply. Gap year and freshman options are also available. Please contact the International Relationships Office for advice).

• You have a Grade Point Average (GPA) of 2.8 or higher (on a scale of 4), or a B average or higher.

• You meet UC’s English language requirements. Students who are not native English speakers usually need to provide an acceptable score in a standard English language test. Students from Germany may submit an acceptable score in the German DAAD test instead of IELTS or TOEFL. Students from Germany, Norway, Denmark, or Sweden, with a pass at a specified level in their final year of high school study, may be exempt from a language test.

If you are ready for a Study Abroad experience you’ll never forget, just follow the steps below.

Code of Practice
The Education (Pastoral Care of International Students) Code of Practice 2016 is designed to guide institutions in their practice, and 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 Aotearoa New Zealand government. www.nzqa.govt.nz/providers-partners/education-code-of-practice

The first thing you should do if you have concerns with your UC experience is to contact Atawhai Akonga | Student Care, Te Rōpū Akonga o Te Whare Wānanga o Waitaha | UCSA, or the University Grievance Coordinator. www.canterbury.ac.nz/support/code

If your concerns are not resolved by UC internal grievance procedures, you can get help from NZQA. They provide an independent assessment of your complaint, and will either investigate your concerns or advise what you can do next. Contact NZQA at www.nzqa.govt.nz, email gadrisk@nzqa.govt.nz or call 0800 697 296.

If your concern is about a financial or contractual dispute, you can contact iStudent Complaints at www.istudent.org.nz or 0800 00 66 75. This is a free, independent service for full-fee paying international students.

‘UC offers a wide range of courses from science and engineering to multiple cultural experiences. I am enjoying my courses this semester and broadening my horizons. I expected New Zealand to be smaller, but there is so much to do and see!’

Doug Monnig
USA
Plan your courses

To identify suitable courses offered in the semester you wish to study at UC, see www.canterbury.ac.nz/courses

A list of courses offered in 2019 is also provided on pages 11-18. This is only a guide, as course offerings may change from year to year.

Check with your home institution that the courses you want to take at UC are acceptable for credit back home.

Courses restricted for Study Abroad students may include:

- Fine Arts (studio art) courses
- 200-level Law courses
- distance learning courses
- some Teacher Education courses
- some clinical practice courses.

Note: some courses will require you to have the necessary prerequisites before enrolling or may have limited spaces available.

Your course choices are flexible. If you arrive at UC and find you are in an unsuitable class, you can make course changes for a limited time.

Mark the date

<table>
<thead>
<tr>
<th>Recommended application dates</th>
<th>Due date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020 Semesters</td>
<td></td>
</tr>
<tr>
<td>Semester 1 (February–June)</td>
<td>15 November 2019</td>
</tr>
<tr>
<td>Semester 2 (July–November)</td>
<td>1 May 2020</td>
</tr>
</tbody>
</table>

Applications after these dates will be processed, but please ensure you allow time for all the necessary travel preparations, including applying for and receiving a student visa before you travel.

UC’s Semester 1 runs from February–June, and Semester 2 from July–November. Please also note the housing application dates on page 22.

Complete the online application
https://myuc.canterbury.ac.nz/login

Within a few weeks, we will contact you by email to let you know if your application has been successful. We will then email you an information package. This will include an Offer of Place letter (which you will need in order to apply for a visa) and information about enrolment, accommodation, and international student orientation.

Pay tuition fees

In 2020, the undergraduate Study Abroad tuition fee will be NZ$12,575 per semester. This allows you to take undergraduate courses across different subject areas. This is a flat programme fee — fees are not charged per course.

Some courses may have an additional compulsory course cost (such as a field trip) and this cost will be added onto your Study Abroad tuition fee.

All students also pay a Student Services Levy calculated on the number of points enrolled in (45 points = $326.25/60 points = $435).

Tuition fees will differ for postgraduate Study Abroad applicants who pay fees on a per-course basis.

Living expenses

Living expenses will vary depending upon your accommodation and lifestyle choices. We recommend that you budget for at least NZ$7,500 for a semester (from NZ$15,000 per year), excluding airfares and tuition.

Get financial assistance

UC offers a scholarship programme for Study Abroad students. A number of Study Abroad Awards will be available to full-fee paying Study Abroad students who are enrolled in a full-time degree programme at a recognised institution outside of New Zealand, and who wish to study at UC for one semester, or one year under UC’s Study Abroad programme.

More information
International Relationships Office
E: ucmobility@canterbury.ac.nz
www.canterbury.ac.nz/study/study-abroad-and-exchange/study-abroad
Prepare to travel safely

Student visa
When your application is approved we will issue you with an Offer of Place letter, which you will need before you can apply for a visa.
You will need to apply for and receive your student visa before travelling to New Zealand.
In order to fulfil the requirements of your student visa, you must be a full-time student.
For full details of visa requirements, and how to apply for a student visa, see www.canterbury.ac.nz/international/how-do-i-enrol/prepare-for-your-move-to-nz/visas-and-immigration
and
www.immigration.govt.nz/new-zealand-visas/options/study

Medical and travel insurance
It is a requirement of the New Zealand government that all international students have appropriate medical and travel insurance.

Studentsafe-University Insurance
You can purchase Studentsafe-University cover when you complete your enrolment in New Zealand. Studentsafe-University meets the standards of the Code of Practice for the Pastoral Care of International Students.
www.canterbury.ac.nz/support/code
Every student intending to purchase Studentsafe-University Insurance is covered by the Studentsafe-University policy from the time they leave home (up to 31 days prior to enrolment).

So, if you intend to enrol at UC, you do not need to purchase your own insurance before you leave home.
The cost of this insurance will be added to your enrolment fees. The policy covers transit stopovers, but does not cover stopovers regarded as holidays.

Pre-existing medical conditions
Pre-existing medical conditions are not automatically covered by Studentsafe-University Insurance. These are medical or physical conditions that you have before you enrol in a plan, and can extend to conditions you were aware of, but did not seek treatment for.
If you require additional cover for a pre-existing medical condition with Studentsafe-University, you need to apply for cover by completing a medical risk assessment form online.
If you have a pre-existing medical condition and you intend to purchase another University-approved policy, you need to check whether your pre-existing condition is covered.

Purchasing private medical and travel insurance
If you do not want to purchase Studentsafe-University Insurance you must arrange an alternative approved insurance plan. A number of insurance plans are available that meet the minimum requirements for international students.
www.canterbury.ac.nz/international/how-do-i-enrol/prepare-for-your-move-to-nz/insurance

Eligibility for health services
Please note that most international students are not entitled to publicly funded health services while in New Zealand. If you receive medical treatment during your visit, you may be liable for the full costs of that treatment. To check your entitlement to publicly funded health services, see www.health.govt.nz

Accident Insurance
The Accident Compensation Corporation (ACC) provides accident insurance for all New Zealand citizens, residents, and temporary visitors to New Zealand, but you may still be liable for all other medical and related costs.
www.acc.co.nz

More information
www.canterbury.ac.nz/international/how-do-i-enrol/prepare-for-your-move-to-nz/insurance
Feedback from previous Study Abroad students

‘The MAOR 165 Māori course was the most interesting class because it gave me the opportunity to learn about New Zealand’s history and culture. For me, this was one of the reasons of going abroad: learning about another culture. I recognised a lot of what I had learned on my travels throughout the country, and appreciated that.’
Christina Gallinat, Germany

‘New Zealanders truly have a strong passion for the sustainability of the Earth. I have done four Great Walks, ice-climbed Fox Glacier, and mountain-biked around the South Island, plus I’ve done my share of kayaking, surfing, and white water rafting. I have bungy jumped the Auckland Bridge and the Ledge in Queenstown. I skydived over Wanaka, and shark cage dove in Stewart Island.’
Richard Podpirka, USA

‘New Zealanders truly have a strong passion for the sustainability of the Earth. I have done four Great Walks, ice-climbed Fox Glacier, and mountain-biked around the South Island, plus I’ve done my share of kayaking, surfing, and white water rafting. I have bungy jumped the Auckland Bridge and the Ledge in Queenstown. I skydived over Wanaka, and shark cage dove in Stewart Island.’
Richard Podpirka, USA

‘Through being involved with a lot of different activities and meeting people with different opinions and backgrounds, I’ve discovered how diverse UC is. I am in class with people from all over the world every day, and it makes for interesting discussions and really broadens your horizons, and gets you thinking about ideas.’
Laura Schnelle, Germany

‘There’s nowhere better than the University of Canterbury for bringing together the best professors and professionals in the field. The University has a wide range of research in construction and I decided to be part of this group of researchers.’
Gabriel Coelho, Brazil

‘The mid-semester field trip for my Ecology class was an experience I would not have been able to have at my home university. Doing field work in Arthur’s Pass was a great experience that gave me a taste of what it’s really like to do research in a natural environment.’
Hayley Rylander, USA

‘I got to learn about the local government system in Christchurch which gave me a unique perspective about the city, outside of UC. It was also a great experience to see the differences in work-life balance while working in another country.’
Naomi Kellog
USA

More information
E: ucmobility@canterbury.ac.nz
www.canterbury.ac.nz/study/study-abroad-and-exchange/study-abroad

We look forward to welcoming you to UC