It is said that although the bellbird is small it can reach the highest branches of the tallest tree. The voice of welcome from the University of Otago calls out to you, to take rest beneath its branches. As the first university in New Zealand, the University of Otago can be likened to the most senior branch of the tree of education. We welcome you all.

Whatever your dreams or aspirations, they can be realised here. Whether you want to pursue the Māori language or other aspects of the Māori culture, humanities, law, science, medicine or business, there is a place for you here and a qualification to suit your specialty.

At the University of Otago we have the people to teach, guide and support you to fly to the treetops and beyond.

Welcome, welcome, welcome.

If you want to find out about studying at the University of Otago in 2017, check out this Prospectus. It tells you everything you need to know to make the most of being a student ... from serious study to serious fun.
Welcome to the University of Otago

The University of Otago was founded in 1869 by early Scottish settlers who recognised the importance of universities. Otago is the oldest and finest University in New Zealand with a long history of excellence in teaching and research. We work in partnership with Ngāi Tahu, the Tangata Whenua of this place. We value the strong cultural contribution of both elements of our history; the bagpipes and the haka can be heard on our campus and at our graduation ceremonies.

Students at Otago are taught by academic staff who are dedicated to teaching and who are internationally recognised for their research. We are committed to educating the next generation of professionals across a wide range of disciplines, and we are also committed to nurturing the next generation of citizens in New Zealand and other parts of the globe. At Otago you will gain a world-class qualification, and you will also learn other important lessons along the way – lessons that will allow you to thrive in all aspects of your adult life. In addition, you will make friends who you will keep for a lifetime.

In order to make the best of your brief time with us, I strongly encourage you to be the best student you can be. I also encourage you to take advantage of the wide range of extracurricular and co-curricular activities that we have on offer. The University of Otago is located in one of the most beautiful places on the planet – please take time out to discover the beaches, the hills and the native flora and fauna that are right on our doorstep. Most importantly, I challenge you to dream. I warmly welcome you to this exciting new chapter of your life.

Professor Harlene Hayne
Vice-Chancellor
April 2016

“Human knowledge is important – it is the greatest achievement of our species. It is what more than anything else sets us apart from other creatures. It is what makes us the most important, the most powerful, and yes, the most dangerous critter that there is. It is because human knowledge is so important that the universities, charged with transmitting and extending that knowledge, are also important.”

PROFESSOR ALAN MUSGRAVE
Department of Philosophy, University of Otago
Established in 1869, the University of Otago is New Zealand's first university and the first choice for over 20,000 students. Gathered from all over New Zealand and around the world, students at Otago become part of a tradition of innovation and enjoy the benefits of a worldwide reputation for academic excellence. Otago's position at the forefront of modern scholarship is based on its long and respected history as well as the latest in ground-breaking research and vibrant education.

Otago has a QS Stars 'five-stars-plus' rating – this is the highest possible rating awarded to a university and means it is not just world-class, but an elite destination for the very best students and faculty.

Otago graduates find their degrees open doors around the world. Lots of employers say that they choose Otago graduates because they show real independence and an ability to hit the ground running. Otago's degrees are challenging and relevant to the modern world, so you can be confident that you can lay the foundations of a successful career.

But student life is not all work. Otago is also famous for its campus lifestyle, where you can work, play and live in a safe and welcoming environment (all within about a three-kilometre radius).

You’ll never regret choosing the quality all-round experience that only Otago can offer.
One of the things that makes the University of Otago so special is that it really is the heart of Dunedin – the town and the University developed together, so Dunedin is now one of just a handful of places worldwide where education is the main activity of the host city. The University campus is right in the centre of Dunedin, and during semesters students make up almost a fifth of the population: that’s more than 20,000 students in one place creating an energy and atmosphere unique to Otago.

Dunedin has all the facilities and attractions you’d expect from a good-sized city, yet the place is renowned for its friendliness – it is uncrowded and safe to live in, so students get the best of both worlds.

Lonely Planet rates Dunedin as “the South Island’s coolest city.” It has an awesome nightlife, thriving music scene and sports teams that are regularly at the top of their game.

The city is full of great restaurants, cafes and bars, and there are large shopping malls, boutique stores, galleries, and weekly craft and farmers’ markets.

Dunedin is the gateway to a whole world of fun things to do – there are tramping and mountain-biking tracks within easy reach of town, the unspoiled beauty of Otago Peninsula is just across the harbour, and some of the best snowboarding and skiing in the country is only a few hours’ drive away in Central Otago and the Southern Lakes.

Otago was also recently ranked in the world’s top five beachside universities – it is close to a great coastline that offers “some of the most challenging and rewarding surf breaks that New Zealand has to offer.”

There is a very active arts community in Dunedin, too, and a wide range of museums and galleries. Since December 2014, Dunedin has enjoyed the status of being the first New Zealand city to be made a UNESCO Creative City of Literature – reflecting the city’s impressive literary heritage and a thriving community of writers.

Students are welcomed to Dunedin, and valued for the life and vitality they bring to the city.

* studyinternational.com

Dunedin
New Zealand’s student capital
Your first year at university is a major milestone and the University of Otago is set up to make this new stage of your life the best it can be. Most of the University’s 20,000 students live either on campus or within walking distance, which saves on time and transport (and means there’s almost always someone to hang out with). More than 75 per cent of the student population comes from outside Dunedin, so you can stick with your friends from school or meet all kinds of new people.

Most major University facilities are central, including the impressive award-winning Central Library in the Information Services Building, which could well become your home away from home. More than 3,500 students live in one of the 14 undergraduate residential colleges that are popular with those away from home for the first time. The colleges offer support and guidance as well as good food and facilities, and are great places to make new friends and share new experiences.

First-year students living at home, flatting or boarding don’t miss out on the college experience – they can join the University’s Locals programme and access orientation week events and academic, social, sporting and community-based opportunities throughout the year. Returning students tend to choose from the massive variety of flats surrounding campus, which adds to the vibe at Otago. Compared to other university locations, rents are some of the lowest in New Zealand. How you decide to live is up to you and your wallet, with options ranging from cheap and cheerful to very comfortable. Flatting with old friends or people you’ve just met is one of those life-changing experiences you’ll talk about when you’re old. And flatting is a great way to learn budget skills, negotiation skills, time management and more.

If you’re serious about sport, then Otago is the best place to be. Both the region and the University have strong sporting traditions. Athletes have opportunities to play at representative level and gain experience in national competitions. Many Otago students have represented New Zealand in sports such as rugby, netball, basketball, rowing, cycling and swimming.

Otago athletes have a unique advantage with access to High Performance Sport New Zealand, which provides world-class sports-science support to New Zealand’s elite sportspersons and coaches in a wide range of disciplines.

For those who like to play for fun, there are limitless opportunities to get out and into it. The University’s recreation programme offers lots of activities, from sports to arts and crafts, organised trips and gear rental for just about anything. Fitness fans have free access (with student ID) to the Unipol Recreation Centre at the University Plaza adjacent to Dunedin’s Forsyth Barr Stadium right on the edge of campus. The University of Otago Oval is a world-class cricket ground located at Logan Park, next to the University’s grounds. It plays host to Otago’s domestic cricket matches and some of New Zealand’s international games.

The famous Otago campus lifestyle is an exciting environment for stimulating socialising and for serious study. Combining the two gives a healthy balance that employers understand well. It’s one of the many reasons why Otago graduates can be confident that their employment prospects are excellent.
Otago’s top quality education is matched by state-of-the-art facilities and a range of organisations dedicated to helping you get the very best out of your time at university. This section has information on the range of student support services that are available to make sure your time at Otago is successful and enjoyable.

otago.ac.nz/services
SERVICES AND FACILITIES

Career Development Centre

Otago graduates have been shaping New Zealand and the wider world for almost 150 years. Today’s students will develop their careers in business, science, the arts, the public sector, at home and overseas in ways that will be more varied and innovative than ever before.

The Career Development Centre, located in the north-east corner of the Information Services Building (Central Library), beside the Burns Building, is here to help you make the best possible use of your time at University and beyond.

Our online system, OtagoCareersHub, keeps you up to date with current career events and news, lists current internships and graduate vacancies, and has targeted job-search information for students. We run interactive career workshops, co-ordinate employer presentations and career fairs, and have a range of career information for students to browse, as well as having career advisers available for one-to-one discussions.

At the Career Development Centre we’re not just into short-term job-hunting, we’re into long-term career management and planning, helping you to build your place in the world.

Check us out online and in person during your time at Otago.

Tel 03 479 8244
Email career@otago.ac.nz

Childcare on campus

The Otago University Childcare Association provides excellent early childhood education in high-standard purpose-built facilities.

The OCUA operates four childcare centres, including a bilingual centre, for children from birth to five years.

Places are available across all age groups and all centres and a wait register form is required. Twenty four hours ECE is available for all three and four year olds, reducing the cost for these children. WINZ subsidies provide financial assistance also.

Tel 03 479 8212 or free phone 0800 479 821
Fax 03 479 5873
Email disabilities@otago.ac.nz

Computer services

Many of the computer areas in the Dunedin campus are accessible 24/7. Students may also obtain wireless access to the internet in many areas including residential colleges, the libraries, the Hunter Building, St David and Castle lecture theatres, the Commerce Building, the College of Education and the University Plaza.

The list of locations can be found on the ITS website: otago.ac.nz/studentITS (click on the “Computer Labs” tab).

The University has a number of web-based services such as Blackboard, student webmail, library databases and e-journals, and online enrolment.

Student IT provides a Getting Started Guide (see the same website) as well as training on a variety of topics.

Student IT Support: studentIT@otago.ac.nz
Tel 03 479 5170
otago.ac.nz/studentonlinehelp
otago.ac.nz/studentIT

Hours 8am – 5pm (Monday to Friday) and 8.30am to 1pm, seven days a week during semester times.

Course advice

Course advice is a chance to talk through your course of study, whether that is planning your future, choosing the right degree and papers, looking at how your study fits with your career aspirations, or to just make sure you’re meeting regulations.

It’s also an opportunity to find out about other services that are available at the University to allow you to finish your qualification with the skills, knowledge and confidence to tackle life’s challenges beyond university.

You are able to access course advice throughout the year, and at any time during your studies.

Talk to one of our Liaison team or, once you are on campus, book an appointment with a member of the University Course Advice Service.

otago.ac.nz/courseadvice

Disability Information and Support Office

Disability Information and Support provides learning support, advice, advocacy and information to students with disabilities, impairments, medical conditions or injuries that may impact on their study.

The support we provide is varied and may include access to specialised equipment, quiet study rooms, note-taking, tutoring, reformatting of course materials and alternative examination arrangements. Our Student Advisers are available to discuss each student’s requirements and work collaboratively to put together a support plan.

Tel 0800 80 80 80 or 03 479 8235
Fax 03 479 5873
Email disabilities@otago.ac.nz
otago.ac.nz/disabilities

Libraries

The University of Otago Libraries offer an outstanding range of information services, quality resources, wireless and warm comfortable facilities suitable for individual or group learning. Whether you are studying on or off campus, enjoy access to a wide variety of print, electronic and audiovisual resources. Make the most of readily available expert assistance with sourcing and evaluating library resources and developing your search skills from friendly, knowledgeable staff. There are a number of service points across campus, including the Central Library (Commerce and Humanities), the Robert Library (Education), the Sir Robert Stout Law Library, Health Sciences and Science Libraries and Hocken Collections (New Zealand and Pacific heritage material). The Central Library is located in the University’s multi-award winning Information Services Building (ISB).

Email ask.library@otago.ac.nz
otago.ac.nz/library

Orientation week

Every year kicks off with Orientation, the welcome week that will introduce you to student life. This is your chance to find your way around campus and enjoy the full schedule of gigs, events and other entertainment organised by the University and the OUSA (Otago University Students’ Association).

Otago Global Student Exchange

The University offers undergraduate students the opportunity to study at Otago’s partner universities worldwide as part of their Otago degree. Students have a choice of over 90 prestigious universities in more than 30 countries throughout Europe, the Americas and Asia-Pacific.

Students pay Otago tuition fees and receive Otago credit for their overseas study. Students on exchange may receive StudyLink loans and allowances, and there are a range of grants and scholarships available. Applicants must normally have a B grade average or better to qualify.

A list of our current exchange partners is available online.

otago.ac.nz/studentexchange

Student Health Services

Student Health is centrally located on campus in a purpose-built facility. We have approximately 50 staff, comprising nurses, general practitioners, counsellors, psychiatrists and administrative staff.

We endeavour to provide the best health care possible in a manner that is competent, compassionate, confidential, timely and in an atmosphere of mutual responsibility and respect.

We provide daily urgent and routine appointments. If patients need to be seen in our urgent daily clinic they will always be triaged (phone call or face to face) by a nurse before being booked for an appointment with a health professional.

Consultation fees do apply (details are available on our website) and charges are reduced with a Community Services Card (CSC).

The Dunedin Urgent Doctors and Accident Centre is available for after-hours medical care. Higher consultation fees apply for after-hours services.

Emergency Psychiatric Service at the Dunedin Public Hospital provides urgent mental health care 24 hours a day.

More information on the services provided and the fees charged are available on the Student Health Services website.

Corner of Albany / Walsh Street
Tel 03 479 8212 or free phone 0800 479 821
otago.ac.nz/studenthealth

Student Learning Centre

The Student Learning Centre offers a free service for enrolled undergraduates. Assistance includes:

• interactive workshops
• individual consultations with learning advisers
• peer learning/support programmes including PASS (peer assisted study sessions) and peer writing support

• a Student Leadership Programme offering opportunities to develop leadership skills through a range of workshops and activities
• a Peer Support Programme for first-year local students not living in residential colleges
• online study resources.

Tel 03 479 5766
otago.ac.nz/studentlearning

University Information Centre

The University Information Centre in the Information Services Building should be your starting point for enquiries about:

• your course of study (including changes to your papers)
• enrolment
• graduation
• examinations
• any other administrative matters.

Email informationcentre@otago.ac.nz Web and Online Chat ask.otago.ac.nz
facebook.com/otagouniversity

Student Leadership Programme

The University Information Centre in the Information Services Building should be your starting point for enquiries about:

• your course of study (including changes to your papers)
• enrolment
• graduation
• examinations
• any other administrative matters.

Email informationcentre@otago.ac.nz Web and Online Chat ask.otago.ac.nz
facebook.com/otagouniversity

There are also self-service kiosks located in the Information Services Building, St David Lecture Theatre Complex, Commerce Building and at University College.
Māori students will find a friendly and supportive "Whānau on Campus" atmosphere at Otago. During Orientation and kā hui mō ka Tauira hou you are introduced to the Māori student communities. You'll also get a warm reception from the many student support networks at Otago. The Māori Centre encourages Māori students to participate and succeed at Otago, and offers support for academic, cultural and social needs from pre-enrolment through to graduation.

The Centre creates opportunities for Māori students at Otago to meet in an informal and relaxed atmosphere and operates from a kaupapa Māori base to provide services such as:

- Tūraka Hou / Māori orientation
- Māori Academic Orientation Programme for first-year local Māori Students
- The Centre provides the Māori Academic Orientation Programme for first-year local Dunedin Māori students that will prepare you for university study. The programme will assist students to develop essential academic skills in their first year.
- Ka Karahipi – scholarships and grant Information
- The University of Otago, Te Tapuae-o-Rehua, Māori Education Trust, Health Funding Authority, Iwi Trust Boards/Rūnanga and other agencies make scholarships and grants available to Māori students. For general scholarships see page 135. Closing dates for other scholarship applications can be as early as September 2016, so contact the Māori Centre early for information.
- Liaison, study advice and mentoring
- The staff of the Centre will advise you about your academic studies, welfare, finances, counselling services and iwi networks. The Centre provides a mentoring programme to assist with your studies, which includes regular events and activities throughout the year.
- Tutorials and seminars
- The Centre provides and arranges a wide range of supplementary tutorials across all disciplines and subjects by request. Exam preparation and seminar rooms are available for casual study on request.
- Counselling and advocacy
- The Centre provides counselling and advocacy with study issues, well-being, health and welfare matters, information and assistance regarding special consideration.
- Māori pre-graduation ceremonies
- The Centre hosts six pre-graduation ceremonies for Māori graduands and their whānau each year the day before the main graduation ceremony.
- Māori students' groups
- Te Roopū Māori (The Māori Students’ Association) is the parent group of the student groups on campus that are in the Dunedin School of Medicine, Dentistry, Pharmacy, Physiotherapy, the Law Faculty, Division of Humanities, Division of Commerce, Division of Sciences and School of Physical Education. There is also a Māori Postgraduate Support "Mai Ki Otago".

Te Huka Mātauraka Māori Centre

Tēnā koutou, nau mai, haere mai, tauti mai ki te Te Huka Mātauraka – Māori Centre mō te tau 2017.

The Pacific Islands Centre is here to nurture you so that you can flourish academically, mentally and spiritually, and find your place in the world!

Tofilau Nita Kirifi-Aka, Manager
1 Leithbank
(Corner of Leithbank and Clyde Street – opposite the Commerce Building)
Tel 03 479 8278
Email pacific@otago.ac.nz
otago.ac.nz/pacific

The Pacific Islands Centre offers students:

- Access to a warm and friendly Pacific environment
- Housing and home comforts
- Pacific Islands scholarships
- Pacific Islands postgraduate scholarship opportunities
- Academic support and mentoring
- Cultural advice to University staff and communities
- Support for Pacific Students’ Associations
- Postgraduate reference group to support graduate students
- and many events to help you meet new people and better focus on your studies.

All our services are free, and all matters are handled in the strictest confidence and with respect for your privacy.

Come join your family away from home – we’re looking forward to meeting you!

Pearl Matahiki, Tumuaki/Manager
Tel 03 479 5762
Email pearl.matahiki@otago.ac.nz
otago.ac.nz/maoricentre

Pacific Islands Centre

Our role is to provide academic, pastoral and cultural support for all Pacific students (both overseas-born and from the Islands) enrolled at Otago, and we work collaboratively with the academic divisions and the Pacific community to make your time at Otago as memorable and successful as possible. So whether you relate strongly with your Pacific culture or want to learn more about your Pacific heritage, the Pacific Islands Centre is the place to be.
We can help you find meaningful roles that work in well with your life as a student no matter how much time you have to spare. Through volunteering you will gain valuable learning experiences as well as a chance to apply skills and knowledge you already have. Student volunteers often have the employability edge as they can demonstrate to employers the additional skills and experiences gained through volunteering.

[link: otago.ac.nz/volunteer]

**CONTACT**
Tel 03 479 8631
Email volunteer@otago.ac.nz
facebook.com/uvcotago/

If you are living at home, flatting or boarding in your first year at University join Locals for access to orientation week events and to academic, social, sporting and community-based opportunities throughout the year.

Locals has developed and expanded from small beginnings into one of the largest student communities on campus. Last year, the University of Otago appointed Dr Stephen Scott as the Director and so the programme continues to grow and develop with support from staff and students who see local students as an important part of this University.

Locals is student-focused and student-supported. A team of students, who have been in Locals as first-years, stay on to become leaders and, in turn, support the next group of first-year Locals.

These returning students are the beating heart of a programme that is all about friendship and support. All our leaders and mentors go through a rigorous and at times hilarious process to gain places on the team. They know what it’s like to be a local first-year and are committed to sharing their experiences and expertise with others.

Locals HQ, our homebase, is on the top floor of the Union Building, which is also home to other fine University institutions like Radio 1, OUSA and, our favourite, the Food Court! Locals HQ provides a space for local first-year students to study and meet up with other Locals. It is also where we hold Q&A sessions with lecturers, workshops, film nights, pancake lunches and more.

**YOUR PLACE AT OTAGO**
[link: locals.otago.ac.nz]

At UniCrew Volunteers we support students to lead social projects to address causes that they care about, and we help connect students with opportunities to make positive changes in our community.

**Abi Clark**
**Volunteer**

If you need help with a volunteer project at the University of Otago, then Abi Clark is the person you are looking for.

In her fourth year of a double-degree, Abi dedicates as much as 16 hours per week to volunteer work. Some of her current projects include co-ordinating the Otago International Friendship Network, organising a group of students to volunteer in Cambodia for three weeks, and starting up her own initiative – *The Melody Mission* – placing volunteer musicians in after school programmes.

Abi’s dedication to volunteer work was recognised when she was named as one of 12 finalists – the only one from New Zealand – in the prestigious 2015 International HQ Volunteer of the Year awards.

“It was an honour to be nominated,” says Abi, who cites the Dunedin Sleep Out as a highlight of her volunteer efforts. The event, which she helped co-ordinate, saw 200 people sleep outside for a night in winter and raised around $12,000 for the Dunedin Night Shelter.

“The most rewarding aspect of volunteering is seeing first-hand the changes that our work can make. I also love to see other volunteers gain confidence and lead their own events.”
There are many recreational opportunities on and off campus including courses, trips, group fitness classes, social sport, sports clubs and societies – there really is something for everyone!

Unipol Recreation Services

Entry into Unipol is free with a current student ID card. This fantastic facility includes weight training and cardio rooms, and team sports areas where students and their friends can participate in casual sports such as basketball, table tennis and more. A range of equipment can also be hired.

Club sport

If you’re interested in participating in sports at a local or national level there are more than 40 clubs catering for all abilities, from beginner to elite.

OUSA’s Aquatic Centre is home to the Otago University Rowing Club, which prides itself on providing a supportive and inclusive environment for first-time and accomplished rowers alike, and has established a tradition of producing world-class rowers since its formation in the late 1920s. OUSA also owns a boat shed that is home to the Otago University Yacht Club and the OUSA Kayak Racing Club, which caters to sprint kayakers, marathon distance kayakers, multisport paddlers and surf skiers.

The OUSA Squash Courts are home to the Otago University Squash Racquets Club, which caters to players of all levels, including beginners. The courts also accommodate casual bookings.

Every year OUSA presents the University of Otago Blues and Golds Awards, which recognise sporting, artistic and cultural achievement, plus contributions in supporting and administrative roles. The sporting Blues date back over 100 years (1908) while the Golds were established in 2002.

OUSA Clubs and Societies

OUSA operates the Clubs and Societies Centre – the base for over 100 clubs and societies. Most of its facilities are free or inexpensive and the centre also provides a sauna, dance and exercise spaces, a commercial kitchen, pianos and meeting/study rooms.

The centre runs an extensive recreational programme, including activities like yoga, tai chi, painting and coffee-making, and it is also the base for over 75 societies covering different cultural, sporting, political and religious interests.

For all your campus recreational needs pick up a copy of Recreation: Get A Taste magazine from Unipol or the OUSA Clubs and Societies Centre, or check out:

otago.ac.nz/recreation
ousa.org.nz/click "recreation"

Unipol Recreation Services and the OUSA Recreation team provide a comprehensive programme to ensure students maintain a healthy, balanced and fun lifestyle while studying at Otago.

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Campus Watch

The University relies on Campus Watch to help maintain a safe and healthy campus and to ensure that the provisions of the Code of Conduct are observed. The Campus Watch team is out and about 24 hours a day, 7 days a week offering assistance and advice around campus and North Dunedin, and encouraging students to look after themselves and each other. Team members are easily recognised by their distinctive blue and gold uniforms.

The Code of Student Conduct is available online:

otago.ac.nz/proctor/codeofconduct

Our responsibility: Your responsibility

Your years at the University of Otago will be life changing. You will have fun, make new friends and learn to live independently while gaining new knowledge and developing as a good, ethical and well-rounded person.

During your time at university you may also take risks and try new experiences, as generations of students before you have done. That is the way it should be, but you have a responsibility to protect and preserve the good name of the University and we have a responsibility to keep you safe.

As part of our responsibility, the University has a Code of Student Conduct. The Code is a set of common-sense rules that prohibit behaviour that is likely to endanger your own or others’ safety.

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Our responsibility: Your responsibility

Your years at the University of Otago will be life changing. You will have fun, make new friends and learn to live independently while gaining new knowledge and developing as a good, ethical and well-rounded person.

During your time at university you may also take risks and try new experiences, as generations of students before you have done. That is the way it should be, but you have a responsibility to protect and preserve the good name of the University and we have a responsibility to keep you safe.

As part of our responsibility, the University has a Code of Student Conduct. The Code is a set of common-sense rules that prohibit behaviour that is likely to endanger your own or others’ safety.

For all your campus recreational needs pick up a copy of Recreation: Get A Taste magazine from Unipol or the OUSA Clubs and Societies Centre, or check out:

otago.ac.nz/recreation
ousa.org.nz/click "recreation"

The Code of Student Conduct is available online:

otago.ac.nz/proctor/codeofconduct
OUSA is an independent organisation that represents students’ interests within the University, in the media and with local and national government.

Laura Harris
OUSA PRESIDENT

Hello prospective students! I’m Laura Harris, the president of the Otago University Students’ Association (OUSA).

This prospectus will give you a starting glance into what awaits you at the University of Otago – everything from the wonderful world of academia to what we can do for you here at OUSA. There is a profound sense of community amongst our students, and the students’ association is instrumental in making that happen.

Here at OUSA we work year-round to provide events for students to socialise at, facilities for them to utilise and services to give them a hand when they need it the most. Most importantly, we are dedicated to helping them have the ultimate student experience here at Otago.

The events we run include Hyde Street, Orientation Week and Recreation week, Art Week and many more. These events are great platforms for students to meet and mingle with each other, as well as create memories that will last a lifetime.

University provides fantastic opportunities to establish connections with peers who have similar interests to you. This can be achieved by signing up to one (or more) of the clubs and societies on campus, or taking a recreation course – like African drumming or wine tasting.

University is about more than academia – it is about engaging in the full student experience so that you become the best person you can be. Being part of this community will give you a well-rounded, culturally-diverse, socially-rich and fun experience like no other.

There is so much to engage with here at Otago, we hope to welcome you to the OUSA family soon.

Laura Harris
OUSA President
president@ousa.org.nz
Making Your Choice

The Student Accommodation Centre has accommodation advisers available to talk to you Monday to Friday 8.30am – 5.00pm, or you can talk to a schools’ liaison officer. You can also check out your accommodation options on our website:

otago.ac.nz/accommodation
0800 80 80 98

Leaving home is a big step, but when you come to the University of Otago, there are plenty of choices to make that transition easy and fun!
All of the colleges are located within walking distance of the campus and, while each has its own unique culture, they all share the core value of providing fully-supervised, quality, safe accommodation.

The unique collegiate life at Otago is an important part of the experience for many students leaving home for the first time. Graduates who have experienced life in our residential colleges talk about the friends they made, the wonderful support in that first year away from home and the high standards of care offered.

The college communities are led by mature, experienced leaders supported by advisory council/college fellows and senior students who mentor and guide residents through their first year of university. The colleges all provide regular tutorials and work hard to develop their residents as scholars and good community citizens.

All of the colleges are fully catered – that’s three meals a day – and the standard of meals is extremely high.

All colleges have a full and exciting calendar of cultural and sporting events throughout the year, including inter-college competitions for summer and winter sports, and non-sporting activities. Colleges have a range of recreational facilities ranging from games and fitness areas, to gyms or cardio rooms in some cases.

Our 14 undergraduate residential colleges are a popular choice for first-year students.

Applying for residential colleges

You can apply online from 1 August each year at: otago.ac.nz/accommodation

When completing this application, take the time to complete each section fully as any inaccuracies may cause delays in sending it on to your first choice of college.

You will receive an instant confirmation from the Student Accommodation Centre on receipt of your application.

To be considered in the first round of offers for a place next year, your application and confidential reference form should be received at the Student Accommodation Centre before 15 September. Applications received after this date will still be considered as places become available.

During October, you will either be offered a place in one of the colleges, or you will be advised that your application is on a waiting list. This list is reviewed continually between October and when university starts in February.

For more information contact the knowledgeable staff at the Student Accommodation Centre or schools’ liaison officers.

The accommodation application is not your registration for study, which you must also complete to enrol at the University of Otago (see page 132 for enrolment information).
## Colleges at a glance

Otago offers a unique range of world-class collegiate communities. Here's what you'll find, at a glance:

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<thead>
<tr>
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<th>Aquinas</th>
<th>Arana</th>
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<th>Cumberland</th>
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### Accommodation

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If you’re coming to University to work hard and to do your best then, as they say at Arana, “step into the zone”. Arana places high expectations on residents to succeed and pulls out all the stops with its powerful learning-support programme. Life here is all about getting “match fit”.

Arana is renowned for its friendly “family” atmosphere and emphasis on academic achievement.

Aquinas has an active programme of social, cultural and sporting activities. There is also a volunteering programme which can broaden your experiences, enable you to feel part of the larger community and increase your employability. A gym and indoor basketball court are available for your use. In winter the Common Room, with comfy leather couches, is the place to be. Curl up in front of the fire with your study notes and enjoy the view from the panoramic windows.

You can walk to campus, enjoying the beautiful Dunedin Botanic Garden on the way, or you can take the free shuttle – just five minutes each way.

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Aquinas is known for its warm culture that will help you to reach your potential. The Aquinas staff team is dedicated to ensuring your well-being and you will be personally welcomed into the college.

Aquinas boasts stunning facilities and attractive bedrooms with high quality furnishings. The peaceful surroundings mean there is little city noise to disturb your sleep or study. The college has amazing views over the city and harbour which help to relax after a hard day of study. You can choose to live on a mixed or single-sex floor, and on an alcohol-free floor. Aquinas cares about healthy lifestyles and its award-winning chef serves a variety of fresh, healthy food every day. Multiple dietary needs are also catered for, including halal.

Aquinas places huge importance on the academic success of its residents. You will be supported to achieve your academic potential through weekly tutorials for most courses, and also through individual mentoring sessions. Workshops to assist you with note-taking, study skills, stress management and exam preparation will also be offered.

FOSTERING COMMUNITY, WELL-BEING, ACHIEVEMENT
otago.ac.nz/aquinas

CONTACT:
Luke McClelland
Aquinas College
74 Gladstone Road
PO Box 6196
Dunedin 9059
Tel 03 479 5560
Email aquinas@otago.ac.nz

It’s a college driven by passion and commitment to traditional college life delivered in a modern co-educational college. Established in 1943, only the best of traditions survive. You don’t have to dress formally for dinner, but your academic progress will be tracked, you will have the best tutors and you will live in a non-threatening environment with great facilities and great food.

Arana House, the focal point of the college, is a gracious 1880s home, which has been converted into modern communal facilities. Residents live in apartments, villas or college bedrooms. It’s a compact complex with attractive outdoor-living spaces and just three minutes’ walk to campus. The majority of residents are first-year students who enjoy the company of a small group of mature and postgraduate students.

Staff at Arana function as a high-performance team full of enthusiasm and energy; nothing’s a problem. Their approach is based on very straight talking with young people about their needs and their issues. Arana has great organised events – many are legendary, but they don’t happen every five minutes: this is not Disneyland.

Healthy lifestyles are encouraged. There are no soft-drink vending machines, the stairs are used not the lifts, there’s a very well-used in-house gym and there’s a huge emphasis on healthy food and on managing alcohol in moderation.

There’s a World War II poster in the Warden’s office, which reads “Keep Calm and Carry On”. There are also two teddy bears on the arm of a chair, and just outside the door a clothing rack full of fur coats. Delve a little deeper and you find out the fur coats are very popular and can’t quite fit into the dress-up room as it’s bursting at the seams. At Arana, in this community of scholars, everything is designed to make your stay the best it can be.

If you’re coming to University to work hard and to do your best then, as they say at Arana, “step into the zone”. Arana places high expectations on residents to succeed and pulls out all the stops with its powerful learning-support programme. Life here is all about getting “match fit”.

Contact:
Jamie Gilbertson
Arana College
110 Clyde Street
Dunedin 9016
Tel 03 479 5508 or 479 5509
Email jamie.gilbertson@otago.ac.nz

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Staff at Arana function as a high-performance team full of enthusiasm and energy; nothing’s a problem. Their approach is based on very straight talking with young people about their needs and their issues. Arana has great organised events – many are legendary, but they don’t happen every five minutes: this is not Disneyland.

Healthy lifestyles are encouraged. There are no soft-drink vending machines, the stairs are used not the lifts, there’s a very well-used in-house gym and there’s a huge emphasis on healthy food and on managing alcohol in moderation.

There’s a World War II poster in the Warden’s office, which reads “Keep Calm and Carry On”. There are also two teddy bears on the arm of a chair, and just outside the door a clothing rack full of fur coats. Delve a little deeper and you find out the fur coats are very popular and can’t quite fit into the dress-up room as it’s bursting at the seams. At Arana, in this community of scholars, everything is designed to make your stay the best it can be.

Contact:
Luke McClelland
Aquinas College
74 Gladstone Road
PO Box 6196
Dunedin 9059
Tel 03 479 5560
Email aquinas@otago.ac.nz

Aquinas has a supportive and warm culture that will help you to reach your potential. The Aquinas staff team is dedicated to ensuring your well-being and you will be personally welcomed into the college.

Aquinas boasts stunning facilities and attractive bedrooms with high quality furnishings. The peaceful surroundings mean there is little city noise to disturb your sleep or study. The college has amazing views over the city and harbour which help to relax after a hard day of study. You can choose to live on a mixed or single-sex floor, and on an alcohol-free floor. Aquinas cares about healthy lifestyles and its award-winning chef serves a variety of fresh, healthy food every day. Multiple dietary needs are also catered for, including halal.

Aquinas places huge importance on the academic success of its residents. You will be supported to achieve your academic potential through weekly tutorials for most courses, and also through individual mentoring sessions. Workshops to assist you with note-taking, study skills, stress management and exam preparation will also be offered.

FOSTERING COMMUNITY, WELL-BEING, ACHIEVEMENT
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The cloak of knowledge is a steadfast symbol of the pursuit of learning that Carrington residents have always embraced. A striking Māori carvings, Te Korowai O Tane (Cloak of Tane), dominates the serenity. This artistic expression of the cloak of knowledge is a steadfast symbol of the pursuit of learning that Carrington residents have always embraced.

Part of the Carrington “package” is to encourage intellectual and personal independence as students adjust to tertiary study. This is achieved by pitching academic support in a way that provides accurate information, and a range of choices and resources to assist learning in a competitive university environment.

Carringtonians find that those who have come before them have left their mark with traditions that continue to enhance their own quality of living. Leisure and social activities are well structured and complement the academic focus. Regular musical events are highlights of the Carrington calendar.

There is a sun-bathed astro-turf court in the middle of the gardens and a small gym on-site. The college is equipped with modern study stations and wireless internet. The dining room, which has a wonderful range of indoor and outdoor dining locations, is the central meeting point of the community. It’s a great space for residents to catch up with each other and “swap notes” about their day. With beautiful surroundings, superb food, and extensive academic and personal support Carrington aims to provide the best environment for students to excel and achieve their goals.

Established in 2000, City College represents all that is good about a contemporary residential experience. It is an independent college offering a student community based on family values of mutual respect, trust and personal responsibility. A secure stepping-stone on the path of personal growth to greater independence.

City College is a modern purpose-built college providing safe, warm, comfortable, well-appointed accommodation in apartment-style living. A typical apartment will have six bedrooms, two bathrooms and a living/kitchen room. There are options for mixed, single-sex or alcohol-free apartments. City College also has a number of car-parking spaces available for residents as well as wi-fi, a pool table, table-tennis, gaming console, satellite TV and a DVD collection.

City College has the additional benefits of being very close to the University, the North East Valley village, supermarket, Dunedin Botanic Gardens, sports facilities and a student-focused hospitality industry.

The robust in-college academic support programme complements your university education. Tutorials are offered in all the major papers as well as generic study support. We like to encourage and support former residents to become tutors for new students. The experienced team at City College are fully immersed in college life to support residents in getting the best out of their first year experience and achieving their goals for the year. Small enough for everyone to get to know everyone else, big enough to have the full range of facilities and services. City College is the ideal size for a great residential experience.

A supportive and renowned catering team make sure all residents are well fed with options for those with specific dietary requirements. Themed events, formal dinners and the City College Ball add to the College environment. City College punches above its weight in participating in all the sporting and cultural events organised between the colleges, as well as running our own comprehensive social and cultural programme including the Great Race, an art show, LEAP movie nights, laser tag, the 48hours film competition, and many others to cater for all interests.

City College residents are also keen to give back to Dunedin and take advantage of the opportunities for volunteering in support of community initiatives.

CONTACT: Andy Walne
City College
91 1 Cumberland Street
PO Box 6065
Dunedin 9559
Tel 03 479 5590
Email andy.walne@otago.ac.nz
Cumberland College is a community with heart and soul. As well as supporting you to achieve your academic goals, staff at Cumberland seek to create an environment in which you can develop friendships and experience great community.

Cumberland encourages balance. Academic achievement is supported, encouraged and celebrated as the priority for all residents. However, sporting and cultural opportunities are extensive and residents are provided widespread opportunities to involve themselves in the local community through volunteering and other social activities.

Students, visitors and parents comment on the friendly vibe when they enter the college, and many residents reflect within a short time that they have found their new home.

Not too big, not too small, Cumberland attracts many residents from many backgrounds. The college houses over 320 students in one building, so everyone and every part of the college is interconnected. Cumberland is set in an ideal location, just a four-minute walk from the main street in the other, with UniPdol also nearby.

Along with the wide range of study sessions, Cumberland provides, the college has a comprehensive events programme throughout the year, which includes the annual Ball, carnivals, Chocathon and “Cumbly’s got Talent”. And Cumberland always represents itself well at inter-college events, including special events with neighbours Hayward and Unicol. There are also inter-college swimming sports and rowing championships, and the college’s tennis court is a huge asset that is used for social sport and inter-floor competitions.

The staff team at Cumberland are experienced and passionate about what they do. They are here to help residents succeed and have a memorable year.

Life in this small residential college is about learning to make your own choices, and about growing your independence in a supportive family environment.

Many who choose Hayward do so because it is small; you can’t slip between the cracks here, not with the Head’s strong focus on pastoral care. The college motto “Community and Integrity” isn’t just for show; it’s at the heart of the Hayward culture.

There’s a great balance of serious study and a huge enthusiasm for doing fun things together. Great friendships develop and everyone is really respectful of each other.

Students love the convenience of Hayward. They have everything right on their doorstep: from city shopping, entertainment, fast food, recreation and, of course, the University campus. In its former life, Hayward was a maternity hospital. It’s been refurbished with a modern finish and students appreciate the quality feel of their home. Grauping up and down in the spacious lifts is a fast way to connect with mates who are all in the one building. There’s a very well-equipped gym for workouts and TV rooms for relaxation.

In the heart of the city, when you step off Frederick Street into the lobby of Hayward College, something immediately tells you young people live here.

In the heart of the city, when you step off Frederick Street into the lobby of Hayward College, something immediately tells you young people live here.

Each of the five accommodation floors is home to two residential assistants who provide another layer of support. They also team up with the college’s Student Committee to help organise the varied social, sporting, cultural and volunteering programmes that include inter-floor ‘Shield’ competitions.

The building has been no stranger to new life entering the world: at Hayward College you enter a new world that offers a rewarding life for your first-year experience.
Knox College

HISTORIC AND CONTEMPORARY
knoxcollege.ac.nz

Set among mature trees and expansive gardens on the other side of the Botanic Gardens from the University, Knox College occupies a commanding site with a tower block and building complex that combine heritage values with modern living.

Following an extensive earthquake strengthening and refurbishment programme in 2012, Knox’s buildings are among the safest and most beautifully maintained heritage buildings in the country. They include the Great Hall, the Junior and Senior Common Rooms, the Ross Chapel, the Hewitson Library and the main foyer and stairwell. Other college facilities include a gym, music room and TV room.

If the buildings convey a sense of history and tradition at Knox, so too does the rich community life. Knox has a long tradition of academic excellence, counting among its alumni eighteen Rhodes Scholars. The pursuit of academic goals is encouraged through a comprehensive tutorial programme and the provision of excellent study facilities, including the historic Hewitson Library. Academic life is further strengthened through the Senior Common Room, which consists of postgraduate residents and college fellows, many of whom are university professors and senior lecturers.

In addition to its academic life, Knox is known for its traditional sporting and cultural rivalry with Selwyn College, a full social programme, and various traditions, including dining etiquette and a dinner dress code, that help define the college’s regular routines. A very active Knox College Students’ Club organises a wide range of events and activities throughout the year.

The food at Knox is excellent. There is plenty of variety, and most dietary needs (e.g. vegetarian, gluten-free, dairy-free) are able to be catered for. Formal Sunday dinners and occasional themed dinners, such as the hugely popular Harry Potter night, add to the richness of the Knox dining experience.

To sum up, Knox residents:

- take their place in a living tradition stretching back over a hundred years and, through alumni, spanning the world
- enjoy the ambience and character of the college’s heritage buildings and spacious grounds
- benefit from strong networks of pastoral and academic support as they pursue their goals
- have the option of staying for two or even three years – in fact, returners comprise about a third of the student body, and
- experience the fullness of collegiate life.

Put simply, at Knox you will have the time of your life and make lifelong friends.

St Margaret’s College

WHERE SCHOLARS BECOME CITIZENS
stmargarets.ac.nz

St Margaret’s has an air of graciousness in keeping with its 105-year-old history; everything about it feels solid. This is a traditional, independent college for independent-minded students.

Situated in the heart of campus, St Margaret’s grounds are full of colour and perfume, with native trees and beautiful flower gardens. Inside, the rich interior furnishings are offset by a growing collection of impressive New Zealand art. There’s a real sense of warmth here from the moment you open the front door.

The Warden has 27 years experience and a genuine interest in students. At the start of the year he meets with all residents on a one-to-one basis, and during the year organises ongoing academic assistance when it’s needed.

There’s a strong tradition of involvement in community service projects, which have included working with Habitat for Humanity, Friendlink, Orokonui Ecosanctuary and Te Araiteuru Marae.

At St Margaret’s you can be stimulated by more than just your own studies: at formal Sunday dinners you mix and chat informally with academic guests; academic breakfasts and arts/science breakfasts provide an opportunity to debate issues in other disciplines; language groups meet casually; and a genuine interest in students.

The traditional annual calendar of student-organised and inter-college events includes a ball, a skiing trip and the opportunity to participate in social and competitive sports teams.

St Margaret’s also boasts generous music facilities with four pianos, an electronic keyboard, a music room for private practice and Sibelius music software for music composition. Then there’s the choir – often 70 members strong. Plenty of food for the soul, and kitchen chefs whose own offerings are praised at every sitting.

St Margaret’s has everything to lift the spirits.

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ACCOMMODATION
The first thing that strikes you when you arrive at Salmond is the magnificent spacious grounds and peaceful setting. This is a true oasis on the fringe of the main campus, an ideal place to live and study. Totally refurbished, the college has state-of-the-art rooms and facilities. However, you can also count on Salmond students making their share of the noise when they pitch themselves against other colleges in a wide range of inter-college sporting and cultural events. The Students’ Association is very active, organising many great social activities throughout the year. The chefs put fun on the menu with formal dinners, theme nights and special occasions – they have a legendary sense of adventure as well as a reputation for serving up fantastic food.

Selwyn College is much more than just a place to live. It is a vibrant, positive community with a rich culture and established traditions. In the heart of the campus, it is New Zealand’s oldest college and has been home to thousands of young people since it opened in 1893. The Selwyn Experience, which is certainly about education and accomplishment, is broader than that. It aims to produce leaders who will use their education and influence for the good of others and to make a difference in their professions and communities.

The strong welfare focus is testament to the calibre of the welfare team – a group of senior and postgraduate students who sometimes supervise, but more often guide and support personal and academic well-being and development. Residents form a strong bond with the College and most become active members of the Ex-Residents’ Association and then the alumni after graduation.
A welcoming, vibrant family atmosphere that greets you at the door – that’s the Studholme experience.

Studholme is a medium-size residential college, filled with friendly staff who endeavour to know each student by name. Studholme is situated on the University’s doorstep and only a three-minute walk to lectures.

The college holds and fosters the core family values of respect, love, tolerance and responsibility, welcoming students who want to be part of a wider family, and who strive to give their best.

Studholme offers an excellent standard of student accommodation. The original villa provides a cozy recreation area, indoor training gym and bedrooms upstairs. In addition to the central accommodation block, there are also seven modern houses with large bedrooms that our students study and sleep in while joining the rest of the college for everything else.

Studholme residents enjoy excellent food choices – and great food means a great time for students. In summer, the garden area is a popular spot to enjoy alfresco dining. In winter, a blazing fire draws residents into the common room with its comfy couches, widescreen TV and gaming. The table tennis and pool tables keep students busy as they challenge each other to be champions. Wi-fi is available in the common areas throughout the college, providing easy access to study material and making media socialising a lot of fun.

The competitive spirit is alive and well at Studholme, where students enjoy continuing the long-standing tradition of intercollegiate sport. A highlight is the multi-sport, year-long Southgate Trophy – over the years Studholme students have claimed many wins against rival colleges. But not all competition happens on the sporting field – the intercollegiate cultural trophy is both fun, and highly contested.

Studholme has an excellent reputation and is highly sought after by students. It’s an exciting and successful community.

The great Māori leader, Te Rangi Hiroa embodied all the qualities that students at this college are encouraged to emulate – a real desire to achieve academically and a deep empathy and enquiring mind to lead into an exciting future.

While the values are traditional, the facilities are ultra modern in this newly renovated college, which is located only five minutes from the University and three minutes from the heart of the city’s shopping centre.

There are 125 en-suite rooms, almost all with queen-sized beds and a kitchenette for maximum convenience and privacy. Each suite is freshly decorated and has a study area, wi-fi and ample storage space. There is also a female-only wing and alcohol-free accommodation options.

At Te Rangi Hiroa residents develop lifelong friendships in a supportive environment that soon feels like a home away from home. There’s a multi-use theatre for movie nights, a large common room with wide-screen TV and a piano for musical interludes, and a spacious, sunny rooftop terrace with spectacular city views.

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Groups of five to seven residents make their home in one of the 28 apartment-style units all grouped together under treetops in a bushy garden landscape. Toroa provides three meals a day for all residents. Breakfast food is available for residents to make breakfast at their own convenience in their own units, and lunch and dinner are provided seven days a week in the University Union building, located a comfortable stroll from Toroa.

Toroa has “Manawa” as its big communal heart. This central meeting place brings residents together and functions as a social hub that rivals any other residential college. Toroa’s social calendar reads like a year-long festival of arts, sports and leisure activities, and the Toroa environment allows you the space to be yourself. "It’s a community where strong friendships, respect and support for each other come naturally.”

Company is never far away, but if you want to spend time on your own, you can, and the staff who live on-site are always there when you need them.

With a strong emphasis on personal achievement and friendly staff, Toroa takes you one step closer to life after college.

DEVELOPING INDEPENDENCE IN A SMALL, FRIENDLY STUDENT COMMUNITY
otago.ac.nz/toroa

Your first circle will be those on your floor. "Floor Missions" have become something of a tradition at UniCol and can be as simple as enjoying a barbecue in the internal courtyard or as challenging as taking part in the 48-hour-film competition. Then, sports teams and special interest clubs connect you with more new friends. Plus you get to know fellow classmates when you’re brought together in structured tutorials or study groups, which cater for the broad spectrum of residents’ chosen fields of study.

There’s no typical UniCol student because there is simply every type of student here. It’s a diverse, cosmopolitan and lively living environment where academic success is publicly recognised and celebrated.

UniCol is the big college with a big reputation for a rewarding first-year experience. The main common room has a country lodge feel with its sunken conversation pit centred around a log fire. A wide-screen TV and pool tables keep this space vibrant, and there’s the Detour Café that’s open in the evenings for late-night coffee and carb fixes. Thirty-five other common rooms can be found throughout the two tower blocks, the adjoining Annex and the Fourth Street News.

UniCol staff take an active part in the life of the community. They are dedicated to those who call University College home, providing a balance of academic support, social and recreational activities, while realising that this is a diverse and cosmopolitan community.

UniCol is Otago’s largest residential college with more than 500 residents, and the size and diversity of this community positively shapes the culture. At UniCol you will always find a friend, you will always find others studying what you are studying and you will always meet those who share your interests.
There are many accommodation options within walking distance of campus, including flats, private boarding and homestay options. The Dunedin community welcomes students and many families enjoy sharing their homes with students from other parts of New Zealand and around the world.

Flatting

After the first year of study, many students move into flats. Dunedin has a wide range of rental accommodation – from studio rooms to multi-unit, purpose-built complexes. The Student Accommodation Centre provides an up-to-date flat list that covers one-bedroom to eight-bedroom flats. They also offer a service where flatmates can advertise to fill vacancies in their flat and they provide sample budgets for flatting, a list of students looking for flatmates, flat agreements between flatmates, and helpful hints for flatting life.

Hospitality programme

During February, the Student Accommodation Centre runs a hospitality programme with extended opening hours and events for students to find flats or meet other students to form a group to go flatting. If you are intending to find your own accommodation, you should give a key to the host's home so they can be as independent as they wish.

Homestay

Homestay is an option that allows students to concentrate on their studies while also offering them the opportunity to join in a family lifestyle. Students are provided with breakfast and dinner Monday to Friday and three meals a day at the weekend. The student's bedroom is private and is furnished with a study desk, heater and bedroom furniture. Students are given a key to the host’s home so they can be as independent as they wish.

You can arrange homestay accommodation by contacting:

University of Otago Foundation Studies
Tel 03 479 5710
Fax 03 479 5251
Email uolcfy.accommodation@otago.ac.nz

Temporary accommodation

We recommend that you book temporary accommodation before you arrive in Dunedin. A list of temporary accommodation can be found on our website otago.ac.nz/about/accommodation

Postgraduate

Several of the residential colleges provide accommodation for a number of postgraduate students. The University of Otago has New Zealand's only residential college – Abbey College – specifically for postgraduate students. This accommodation is located within a few minutes' walk of all University facilities.

Many senior students, especially those with partners or families, prefer to rent houses or flats near shops or schools. Although there is some accommodation suitable for couples or families, the rural campus, affordable accommodation is available in the suburbs, often only a short drive or bus trip from the main campus. The Student Accommodation Centre provides lists of suitable houses and flats.

Accommodation for people with disabilities

The University of Otago is committed to assisting students with disabilities. Our recreational facilities are available to students with disabilities and several colleges particularly suitable for people who use wheelchairs or have limited mobility. When making an application for accommodation you should ask landlords about the STARS rating for any property you are interested in renting.

The STARS website is a tool for rating and recognising good quality student properties, allowing students to make informed decisions about what sort of home they rent. The STARS ratings are based on information provided by landlords on fire safety, security, insulation, heating and ventilation. You should ask landlords on fire safety, security, insulation, heating and ventilation. You should ask landlords about the STARS rating for any property you are interested in renting.

For further information about accommodation options at the University of Otago contact:

Student Accommodation Centre
109 St. David Street
Dunedin 9016
Tel 03 479 5100
Fax 03 479 8249
Email accommodation@otago.ac.nz

International students

International students already studying in New Zealand schools can apply for colleges using the same application process as New Zealand students.

International students who want to study in New Zealand, and have applied for an academic offer to study at the University of Otago, will receive information about accommodation options.

International students may apply online at otago.ac.nz for University managed accommodation.

The University of Otago welcomes all international students. The University of Otago welcomes all international students to Dunedin. International students accepted for a college can look forward to being active in the social, cultural and recreational programmes provided.
Each subject entry within this alphabetical listing explains exactly what the subject is and presents potential career opportunities. There is also information about the papers you need to study in your first year and brief paper descriptions to help you decide if the subject sounds like you.

Don’t forget: if you are unsure about anything, just phone or take a look at the website.

The University’s Guide to Enrolment, which comes out in August, contains more detailed information on all of the papers on offer and you can also request subject information sheets at otago.ac.nz/choice.

TOP QUALITY EDUCATION WITH STATE-OF-THE-ART FACILITIES

Still deciding what you want to study?
Explore the full range of options available at the University of Otago in this subject guide.
Accounting

Accounting is the language of business. Accounting concepts come into play when you’re checking your bank balance online or filling out IRA tax forms. While studying for a B.Com in Accounting, you’ll learn all about the recording and reporting of financial activity. Businesses, the government, city councils, schools and boards of trustees all use accounting to help control their resources and measure their success. In fact, everyone needs to know about accounting to meet the challenges of our society.

CAREER OPPORTUNITIES

Many graduates join the accounting profession as auditors, tax advisors, financial managers, investment advisers, financial consultants, valuation experts, company directors and controllers of financial information systems. Other graduates work in a variety of occupations such as financial executives at company secretaries, management accountants and office managers or accountants in manufacturing or trading firms; others become teachers or research officers in educational institutions or executive officers, treasurers and accountants in central and local government.

100-LEVEL PAPERS

If you intend to major in Accounting (BCom), you must take the following 100-level papers:

ACCT 102 Principles of Accounting
BSNS 112 Introducing Business Data
BSNS 114 Financial Decision-Making
BSNS 115 Accounting and Information Systems

You must also meet BCom degree requirements, including the completion of all BCom core BSNS papers – see the Accounting section for details.

200-LEVEL AND BEYOND

The Department of Accountancy and Finance teaches financial accounting, management accounting, financial management, accounting information systems, business law, taxation and auditing at 200-level or above. The four 200-level papers listed above must be passed with a grade of at least a C+ (60%) in order to study Accounting at 200-level.

To practise as a chartered accountant you must complete specified accounting papers and professional papers in business law, tax and auditing as part of your BCom degree and then seek admission to a professional body.

The Department of Accountancy and Finance provides the academic papers required for full or partial provisional entry into professional accounting bodies. These are: Chartered Accountants Australia & New Zealand (CAANZ), CPA Australia, ACCA (UK) and CIM (UK). There will be additional requirements after university (practical experience and/or further technical/academic modules) to be completed to become a chartered accountant. For further information visit otago.ac.nz/accountancyfinance/study/professionalqualifications/index.htm or the individual professional body websites: charteredaccountantsanz.com or mitca.com (CAANZ), crpaa.com.au (CPA Australia), accaglobal.com (ACCA) and cimiallobal.com (CIMA).

Anatomy

A degree in Anatomy offers you a world of choice! Anatomy students have the flexibility to play to their strengths and study aspects of biology that really interest them. The department is divided into four key areas of research expertise – Neuroscience, Biological Anthropology, Reproduction and Developmental Biology, and Clinical Functional Anatomy. Your degree can explore all these areas, or concentrate on just one or two. You also have the opportunity to enrol in Genetics, Physiology, Biochemistry, Anthropology, and just about anything you can think of in the biological sciences. Anatomy is also an excellent path to getting entry into the allied health professions, including medicine, dentistry, and physiotherapy. We collaborate with leading research institutions and universities all around the world, and our alumni end up in diverse occupations all over the globe.

CAREER OPPORTUNITIES

A degree in Anatomy positions you well to have a world of choice in your career as well. Many graduates proceed to professional (e.g. medicine, physiotherapy, dentistry) and higher degrees, including Master of Science and PhD. Our graduates can also be found in a range of interesting and exciting roles which are just a small sampling of what some Anatomy graduates are now doing: national health promotion advisor for the Cancer Society; genetic counsellor; developing Māori-focused science education policy for the Ministry of Education; respiratory therapist helping to diagnose conditions such as sleep apnoea and asthma; St Johns Ambulance Officer; administration co-ordinator for a DHB; exercise prescription instructor; research position in a hospital analysing cells and diagnosing chromosomal conditions; team leader and research assistant supporting teaching and research; account manager and sales representative for a medical supply company; medical writer evaluating clinical trial evidence from journals; lab assistant in a cytogenetics laboratory; trainee funeral director; and sales representatives for various pharmaceutical companies.

100-LEVEL PAPERS

There are no 100-level papers with an ANAT code as part of a major in Anatomy.

If you intend to major in Anatomy (BCom), you must take the following 100-level papers:

CELS 191 Cell and Molecular Biology one
HUSB 191 Human Body Systems one
HUSB 192 Human Body Systems two
CHEM 191 The Chemical Basis of Biology and Human Health

200-LEVEL AND BEYOND

200-level topics include the structural and functional organisation of the human body and disease, including:

• the human body at cellular, tissue, system and regional levels
• the nervous system at the cellular, tissue, system and integrative levels
• male and female reproductive systems including consideration of fertilisation, implantation, pregnancy, lactation and an introduction to development.

300-level explores aspects of functional anatomy, cell biology, neuroscience, reproduction, clinical and exercise physiology, developmental biology, biological anthropology, delving into the research literature and addressing/formulating research questions.

200-LEVEL AND 300-LEVEL PAPERS

All 200- and 300-level papers can also be taken as single papers to complement other biomedical and/or science majors.

Anthropology and Archaeology

There are two broad areas of Anthropology studied at Otago: Archaeology and Anthropology. Students may take a combination of papers from both these areas.

Social Anthropology focuses on the cultural basis of social life and diversity and similarities between cultures. It examines the dynamics of cultural change at every level of human life, from the local to the global, in the past as well as the present.

Social Anthropology specialisations at Otago include the Pacific, history and anthropology, medical anthropology, religion and ritual, ethnography, development, political anthropology, legal anthropology, economic anthropology, globalisation, migration, new media, and anthropological theory and methods. Our social anthropology staff are the recipients of multiple teaching awards and conduct dynamic national and international research programmes.

Archaeology is the study of material remains related to the human past. These range from monumental structures like the pyramids of Egypt to microscopic plant fragments retrieved from ancient soil. Archaeological research is undertaken on historical remains to add to evidence of the development of the physical remains of human culture when no other record exists.

Otago has a world-renowned Archaeology programme. Staff specialise in the archaeology of New Zealand (including the offshore Chatham Islands), the tropical Pacific and South-East and East Asia. They study the initial colonisation of, and subsequent adaptations to, these regions through fieldwork and laboratory analysis. Otago archaeologists also study evidence of ancient crops, animals and artifacts, as well as archaeological structures and landscapes. The past is interpreted from the study of material remains and evidence recovered through surveys and excavations.

CAREER OPPORTUNITIES

Many graduates become professional anthropologists working for employers such as social scientists and teachers, researchers, writers, policy analysts and advisers with government ministries and departments. Anthropology graduates are sought by non-governmental and private organisations.

Graduates who have specialised in archaeology may become professional archaeologists working for employers such as universities, consultancies and industries with heritage management interests (e.g mining), public heritage or conservation agencies, and in specialist laboratories and museums.

100-LEVEL PAPERS

A major in Anthropology requires two 100-level papers from:

ANTH 103 Anthropology, Culture and Society
ANTH 105 Global and Local Cultures
ARCH 101 Human Origins and Civilisations
ARCH 103 Anthropology, Culture and Society

Introduces fundamental concepts and branches of Anthropology and the development of fieldwork methods and theoretical frameworks in Archaeology and Ethnography.

ANTH 105 Global and Local Cultures

Examines contemporary issues drawing on case studies – from cyberspace to island village communities. Reflects upon the latest anthropological thinking about culture and society with critical insights into contemporary cultures.

ARCH 101 Human Origins and Civilisations

A review of the archaeological evidence for the origins and cultural development of the human species from its earliest appearance up to and including the rise of early civilisations.

200-LEVEL AND BEYOND

200-level papers in Social Anthropology cover contemporary Pacific cultures, cultural ecology, ethnography and globalisation. At an advanced undergraduate level students may take papers that address ethnographic research, health and reproduction, religion and the supernatural, ritual and death, labour and work, and health development, money and transnationalism. These papers are coded ANTH.

200 and 300-level papers in Archaeology (all coded ARCH) cover New Zealand, Pacific and Asian archaeologies, as well as the study of animals, landscapes, methods, practice and theory in archaeology: Specialist lab and field training begins at 300-level (ARCH 301, ARCH 302). At 400-level, ARCH papers and a dissertation research project (ARCH 490) can provide opportunities for advanced study, as well as supervised lab research and survey and excavation fieldwork.

Applied Geology

The economic and commercial value of geological resources, their discovery and extraction, and the environmental consequences of their production, are critical components of modern civilisation. Applied Geology graduates are in high demand for their technical and managerial skills. Employment is found in organisations that deal with the extraction of metals, petroleum, coal and groundwater resources, with regulatory bodies associated with geological resources; and in companies concerned with geological hazards such as earthquakes, landslides and volcanoes.

If you are interested in a career in Applied Geology, contact the programme director, Assoc. Professor Andrew Gorman (andrew.gorman@otago.ac.nz).

100-LEVEL PAPERS

Papers worth at least 126 points, including:

EAOS 111 Earth and Ocean Science
GEOL 112 Dynamic Earth, a New Zealand Perspective

Applied Science

The Bachelor of Applied Science is an interdisciplinary three-year degree that is structured to deliver a lifelong set of employer valued skills in problem-solving, learning and communication. These skills provide graduates with flexibility and adaptability in an increasingly competitive global work environment.

The Applied Science majors are employment sources from aquaculture and fisheries, Clothing and Textile Sciences, Computational Modelling, Consumer Food Science, Environmental Management, Forensic Analytical Science, Geographic Information Systems, Molecular and Biomedical Engineering, Sport and Exercise Nutrition, and Sports Technology.

Diverse interdisciplinary capability is highly desired by employers and is mandated through a second subject that may be taken as a major or second major and could come from Commerce, Humanities or Sciences.

The degree programme provides substantial flexibility of choice, career focus and is informed by strong links with employers. See the entries for each of the majors for more details.

Aquaculture and Fisheries

Aquaculture and Fisheries is a major in the Bachelor of Applied Science programme. It is a three-year degree that includes a compulsory second subject in a related area – either as a major or second major.

From salmon and mussel farming to wild fish management, there is substantial industry demand for skilled and innovative individuals with a passion for marine science.
Cultural, economic, social, religious, and the visual arts play in the lives of human beings. Developing our historical and theoretical experience. It is seen and made everywhere. Art History and Archaeology

100-LEVEL PAPERS

If you intend to major in Art History and Visual Culture (BA), you must take ARTV 101 and one other ARTV 100-level paper (any 100-level HIST paper may be substituted for the other ARTV paper).

ARTV 101 Introduction to Visual Culture

A critical survey of contemporary visual culture. Topics include fashion, advertising, photography, celebrity studies and reality television.

ARTV 102 Introducing Artworks

The close analysis of ways in which, historically, major individual artworks can have meaning. A demonstration of a variety of theoretical, cultural, historical and aesthetic approaches to interpretation in art.

ARTV 103 Art: Here and Now

An introduction to historical and contemporary art through the rich cultural offerings of Dunedin. Features weekly fieldtrips for first-hand study of art and meetings with local arts organizations and professionals. 200-LEVEL AND BEYOND

Topics include Medieval and Italian Renaissance art, New Zealand art, twentieth-century painting and theory of modern and contemporary art, photography, perspective, surrealism, gender issues in art and totalitarian art.

Asian Studies

Both from the economic and the cultural points of view, Asia has become a vital part of New Zealand life. Asian Studies is an interdisciplinary programme that includes Asian history, literature, film, religion, politics, music, anthropology and economics. Papers in Asian Studies help students gain a greater awareness of what multiculturism really entails, beyond the rhetoric of inclusiveness, by exploring the heterogeneous nature of Asianism, beginning to understand its complexity and pointing to its relevance in the global context.

CAREER OPPORTUNITIES

Graduates work in private and public sectors, in industry and government.

Biblical Studies

Biblical Studies is devoted to the study of the Jewish and Christian Scriptures. It looks at the origins and interpretation of biblical writings and the history of their interpretation.

Biblical Studies papers are divided between the Old Testament (the Hebrew Bible) and the New Testament. Students can also study the biblical languages – classical Hebrew and New Testament Greek – to an advanced level. The department welcomes all students, regardless of religious background.

CAREER OPPORTUNITIES

Graduates work in a wide range of roles. Many of these are church-related, but our students are also found in teaching, social work, policy analysis, journalism, librarianship and administration.

Biochemistry

To Tari Mātūtū Koahora – The Department of Biochemistry. Mātūtū koahora translates as ‘the quintessence or substance of life’. This beautifully captures what biochemists do – explain life in terms of the fundamental building blocks. If you’ve ever observed any living organism and asked yourself “I wonder how...?”, then biochemistry is for you. Whether it is how the information in genes is used to organise an organism to function, or what happens when things go wrong and people get sick (and how you might cure them) – biochemists answer these questions by understanding the functions of, and interactions between, the biological molecules (e.g. DNA, proteins, sugars and fats) that make up all living things. And because the building blocks are essentially the same for micro-organisms, plants and animals, it doesn’t matter what area of biology you are interested in, you can discover how it works through biochemistry.

CAREER OPPORTUNITIES

Basic science: those interested in basic research pursue careers in universities, research organisations, and industry. Clinical biochemistry/medical biochemistry: these often involve a career in a hospital laboratory, serving the health and life sciences. These branches of biochemistry also serve society by addressing particular drugs, poisons or genetic conditions. Clinical biochemistry for industry: this can involve the investigation of purity, safety and quality of products. The Badger Centre for Biochemistry: 2503 Biochemistry: 2503 is included in the Schedule for the History and Philosophy of Science major subject.

Bioethics

Bioethics offers you a set of tools for identifying and thinking through moral issues that arise in the health and life sciences. These branches of bioethics aim to understand and manipulate humans, animals and the environment, giving rise to many important moral questions for scientists and non-scientists alike. Bioethics teaches you how to reason about these moral problems clearly and critically, to arrive at conclusions about what is at stake and what ought to be done about it. Bioethics teaching encourages thought, discussion and refinement of ideas.

CAREER OPPORTUNITIES

Bioethics will distinguish and add value to the degree of anyone considering a career in areas such as the life or health sciences, health law, management or education, and in health, science, or environmental policy.

PAPERS AT 200-LEVEL AND BEYOND

Undergraduate study begins at 200-level. In 2016 we offer three undergraduate papers: BIOC 201 Bioethics and the Life Sciences; BIOC 202 Biomolecules; and BIOC 203 Bioethics. BIOC 203 is included in the Schedule for the History and Philosophy of Science major subject.

Biography

Bioethics studies living organisms and is the basis of all studies in the life sciences. At the University of Otago, Biology is used as a foundation for courses at 300-level only. There is no Department of Biology.

CAREER OPPORTUNITIES

There are opportunities in agriculture, forestry and horticulture, as well as conservation and resource management. Students who have studied Biology can obtain positions such as research scientist, university lecturer, school teacher, forest ecologist, science technician, ecologist, consultant, Ministry for Primary Industries biosecurity officer, resource management co-ordinator, water quality scientist, local government environmental officer, ecologist, technologist, plant pathologist and marine botanist.
Bioethics

“IF I'M HOPING TO TAKE WHAT I HAVE LEARNED SO FAR AND BE ABLE TO APPLY IT ON THE FRONT LINE IN THE FUTURE.”

Cultural awareness is a vital part of bioethics, says Adam Faatoese. Born and raised in Dunedin, Adam’s Samoan and Tuvaluan heritage give him an advantage when studying how people with predominantly Western backgrounds view other cultures.

After getting a pre-university taste of genetics at Hands-On Science, Adam took biochemistry at Otago. “It was a good, broad degree to start with, but after talking to people in the department I switched to focus on genetics. Classes were smaller, and the staff were very helpful.”

Adam took a bioethics paper for interest. “In genetics you work with live material and patient samples and you get to learn respect and ethics along the way, but you may not realise how important they are until you separate them out.

“For me it was in one culture you may not know how other cultures think, and it’s important to have courtesy and acknowledge other people’s sensitivities, even if their perspectives differ from your own.”

On graduating, Adam was accepted for a master’s programme, but decided to train as a doctor, and is starting medical school as a graduate. “The medical profession works with people from many different backgrounds, especially in New Zealand society, which is so diverse. If doctors understand bioethics they’re likely to be able to help their patients better.”

“I’m hoping to take what I have learned so far and be able to apply it on the front line in the future. Eventually I’d love to check out some of the Pacific islands and help out in the community.”

Adam’s current community involvement includes the Otago Samoan Students’ Association, helping with tutoring; assisting high school students at Otago’s Advanced School Science Academy, and keeping fit with rugby.

His advice? “You have to study hard but you still have to have fun. It’s all about balance.”

The foundation paper in most biological subjects is:

CELS 191 Cell and Molecular Biology

Programmes in 200-level require one or more of the following additional first year papers:

BIOC 112 Animal Biology
BIOC 123 How Plants Shape the World
ECOL 111 Ecology and Conservation of Diversity
HUBS 191 Human Body Systems 1
HUBS 192 Human Body Systems 2

Note: Students entering in BIOC 112, BIOC 123, HUBS 191 or HUBS 192 are recommended to take CELS 191.

Biomedical Sciences

The Bachelor of Biomedical Sciences degree is a multidisciplinary programme of study designed to provide a foundation in the scientific basis of human health and disease. This programme is made up of combinations of papers drawn from the major subject areas within Biomedical Sciences – Anatomy, Biochemistry, Genetics, Human Nutrition, Microbiology, Pathology, Pharmacology, Physiology

Six different majors are offered within this degree programme:

- Drugs and Human Health
- Functional Human Biology
- Infection and Immunity
- Molecular Basis of Health and Disease
- Nutrition and Metabolism in Human Health
- Reproduction, Genetics and Development

Each major is designed to provide both a theoretical and practical coverage of one particular facet of human biology.

Career Opportunities

Biomedical Sciences is a flexible and very marketable degree. Due to the broad-based training, graduates are able to quickly adapt to changing workplace demands. Our graduates are currently working in areas as diverse as developing nutritional sports powders to investigating the pathology of Hepatitis C. They are commonly found working in universities, medical research institutes, hospitals, pharmaceutical companies and biotechnology industries. Other career options include teaching, marketing and sales (particularly in pharmaceutical, biotechnology and the biomedical equipment and service industries), policy advisers in government agencies and positions in the media.

The degree also provides an excellent pathway for subsequent entry into graduate-entry health science programmes such as Audiology, Medical Laboratory Science, Medicine, Nursing, Optometry, Pharmacy, Dentistry and Physiotherapy.

Students who are interested in research can enter the BiomedSc (Honours) programme, which is a gateway to postgraduate MSc and PhD studies, leading to a professional science career.

100 LEVEL PAPERS

If you intend to enrol in Biomedical Sciences, you must take the following 100-level papers:

BIOC 102 Foundations of Biochemistry
CELS 191 Cell and Molecular Biology
CHEM 191 The Chemical Basis of Biology and Human Health
HUBS 191 Human Body Systems 1
HUBS 192 Human Body Systems 2
PHYS 101 Biological Physics

and any further paper at 200-level from any degree schedule.

200 LEVEL AND BEYOND

There are six interdisciplinary majors offered within the Biomedical Sciences degree programme. These are:

- Drugs and Human Health
- Functional Human Biology
- Infection and Immunity
- Molecular Basis of Health and Disease
- Nutrition and Metabolism in Human Health
- Reproduction, Genetics and Development

The use and abuse of drugs play a major role in human health. Drug use is increasing with the ageing of the population and with its increasing affluence. As drug use increases, the search for new agents has widened from traditional sources, such as plants and animals, to new sources utilising new technologies in pharmacology, biochemistry and immunology. This major is intended to give you an up-to-date overview of the present and future role of drugs in human health.

Functional Human Biology

Ultimately, human health depends on the normal functioning of the cells, tissues and organ systems of the body. Understanding of disease in turn rests upon knowledge of the effects of pathological processes on these systems. This major provides an overview of the mechanisms of the functioning of all systems of the human body and explores specific areas in depth, with a research-informed focus.

Infection and Immunity

This major involves: (1) The study of infectious diseases, including microbial pathogenesis, the cellular and physiological response to infection and chemical (e.g. development of new antibiotics) or host-mediated control (e.g. through vaccination) of microbial diseases; (2) The role of the immune system in infection, cancer and inflammatory diseases. Both fundamental and applied topics in Immunology are studied in human and animal models, covering cancer immunology and immunotherapy, autoimmune diseases, allergies, inflammatory bowel disease and the immune response to infection.
Elliot Munro enjoyed science at school in Dunedin and he sampled university study with summer modules in chemistry and physics taken through Otago’s Hands-on Science programme. So he was confident taking a BSc with a double major at Otago. “I’d heard good things about the courses, a lot of my friends were going, both my parents had studied there, and it was my local university.”

His good academic record earned him a Frontiers of Science scholarship, and study went well.

“It was a real step up from high school, especially all the facilities for practical work. There are lots of technical instruments you would never see at a school.”

Elliot (Ngaipui, Ngati Porou) spent his first year at home, but were flatting for his second. He studied hard and had fun, enjoying powerlifting at the gym and OUSA events such as tournaments for chess and polo.

At the end of his second year he asked around the chemistry and physics departments to see if there was any work over summer, and landed an internship with Photonic Innovations, a University spin-off company. Elliot’s summer job might influence his academic decisions.

“I found it really interesting, encompassing chemistry and physics and electronics, which I’d done a paper on. Otago definitely prepared me for it but I did a lot of learning during the internship as well.”

Elliot’s summer job might influence his academic decisions.

“I want to go on to honours but I’m not sure which subject to take. I’ve been really enjoying the physics so I’m leaning towards that at the moment.”

After honours, Elliot hopes to take a year off, “perhaps do some tutoring, and then probably head back to do some kind of research, hustling in search of that dollar”.

Right now he’s looking forward to the last year of his degree and kicking back with a few good friends in a new flat close to the University.

Chemistry and Physics

“IT WAS A REAL STEP UP FROM HIGH SCHOOL, ESPECIALLY ALL THE FACILITIES FOR PRACTICAL WORK.”
An introduction to the concepts of Chemistry underpinning important processes in biology and human health, including energetics, kinetics, equilibria and solubility, properties of water and solutions, acids, bases, complexion and electron transfer, reactions of organic molecules, amino acids and carbohydrates. It is a compulsory paper for Health Sciences First Year students.

Both CHEM 111 and 191 cover the theoretical, quantitative and practical aspects of chemistry. At least 14 credits in NCEA Level 3 Chemistry (equivalent) or Level 4 Specialist Studies in Chemistry are strongly recommended as an appropriate background for these papers.

CHEM 111 Introductory Chemistry

This bridging paper provides an introduction to the key concepts of chemistry and is designed for students who have done little previous chemistry or who feel they need a catch-up before enrolling for 100-level chemistry courses (CHEM 111 or CHEM 191) or to provide an understanding of basic chemistry concepts to complement their current studies. The content of the course is at senior high school chemistry Level (NCEA Levels 2 and 3).

Chinese

Modern Standard Chinese (also known as Mandarin, Putonghua or Guoyu) is the most widely spoken language in the world. Chinese culture is both rich and far-reaching. As China is becoming increasingly important to New Zealand’s future, it is crucial that we know more about Chinese culture, history, political and economic system. Learning Chinese language is an essential first step towards understanding Chinese culture and society.

CAREER OPPORTUNITIES

There is a definite need for people who understand Chinese culture and who can communicate effectively with Chinese speakers. Our graduates work in New Zealand and overseas in business, law, tourism, information and science, technology, teaching, translation and interpretation, print and electronic journalism, and government departments.

STUDYING CHINESE

At Otago, you can study Chinese at any level: Chinese is a major of the Bachelor of Arts, a three-year degree programme. You can also complete a minor, or a Diploma in Chinese Language, or a Diploma in Chinese Language and Culture while completing your degree in a different major.

CLASSICS

Classics is the study of the civilisations of ancient Greece and Rome. These have had immense influence on the development of Western civilisation. Our language, literature, art and architecture, drama, philosophy, political and legal systems are all derived from Greece and Rome.

CAREER OPPORTUNITIES

Graduates develop valuable skills in critical thinking, research and communication. They go on to develop careers in any number of fields: basic education, librarianship, administration, aid and development agencies, government department work, and church leadership and ministry.

There are three main dimensions to Christian Thought and History:

- Church History – the growth and development of the Christian faith from the beginning up to the present day
- Systematic Theology – a critical exposition of the content of Christian belief, both historically and in contemporary contexts. Papers explore the nature and implications of Christian understandings of God, Jesus, humanity, salvation, the natural world, community and worship
- Christian Ethics and Public Theology – link the history and ideas of Christian belief to present-day questions about life, death, relationships, suffering, violence, war, poverty and justice. Some papers pay special attention to the particular contributions Christian theology may make to issues of major political and social debate in a pluralist society.

CAREER OPPORTUNITIES

Graduates teach in schools and universities, and work in foreign affairs, trade and industry, university administration, libraries, art galleries, museums, theatre and journalism.

100-LEVEL PAPERS

If you intend to major in Classics, you must take at least two of the following 100-level papers:

- CLASS 103 Greek Mythology
- CLASS 108 Classical Art and Archaeology: Of Gods and Men
- CLASS 109 Roman Social History: Slaves, gladiators, and prostitution
- GREEK 111 Introductory Greek 1
- GREEK 112 Introductory Greek 2
- LATN 111 Introductory Latin 1
- LATN 112 Introductory Latin 2

The ideal would be to take four papers, combining Classical Studies with one of the languages, or combining Greek with Latin.

- CLASS 105 Greek Mythology
- A study of the myths of Ancient Greece with particular reference to the origins and nature of gods and heroes.
- CLASS 108 Classical Art and Archaeology: Of Heroes, Gods and Men
- An introductory study of Classical art and architecture, examining both the ancient Greek and Roman worlds.
- CLASS 109 Roman Social History: Slaves, gladiators, prostitution
- A study of ancient Roman social life, with particular emphasis on the marginalised (or so-called "invisible") lower classes, including slaves, gladiators, prostitutes and freedmen.
- GREEK 111 Introductory Greek 1
- A reading-based beginners’ paper covering the basic elements of ancient Greek grammar and vocabulary, designed to develop reading skills in ancient Greek.
In the second year of Fiona Hely’s Bachelor of Applied Science in computational modelling, she had her career sorted.

A summer internship led to part-time employment for the rest of her degree, and then a full-time job.

At high school Fiona loved the problem-solving aspects of maths and realised that computational modelling focused on that rather than pure mathematical theory.

“I wanted to be able to use my maths skills in practical applications for the real world.”

“Td never done any programming before starting at Otago, but I soon picked it up and I loved it.”

Fiona wasn’t sure how her new skills would translate into employment – until she landed her first internship with agribusiness consultants AbacusBiz.

“What I had learned helped with the work I had to do. I learned how to apply my new skills in real situations, and the job made sense of work I had done at university.

“Some of the programming was very helpful for being able to set up simulations and designing systems.”

At the end of her internship, Fiona was offered the opportunity to keep working on some projects part-time.

“I really enjoyed it and wanted to keep doing it, so I was able to learn from study and work at the same time.”

Away from her degree, Fiona trained and competed in elite athletics, holding successive national titles as the fastest junior woman over 200m.

She also enjoyed taking interest papers in Japanese, German and sport psychology. “It meant each year I had my core papers and one other paper for fun.”

After an exchange semester in Canada at the end of her honours year, Fiona graduated and joined AbacusBiz full time.

“I have more responsibility these days. I’m now a shareholder and working towards managerial roles and a partnership. I’m really enjoying it.”

Supporting papers from Sciences (in particular), Commerce and Humanities, can enhance career prospects for example, complementary subjects for a major (or minor) in Clothing and Textile Sciences include Human Physiology, Chemistry, Physics, Archaeology, Anthropology, Marketing.

100-LEVEL PAPERS

There are no 100-level papers and no specific prerequisite courses, with 36 points required for entry into 200-level papers. However, some papers are recommended and proposed 100-level papers should ideally be discussed with an academic advisor in Clothing and Textile Sciences.

Note: 200-level Clothing and Textile Science papers can be taken in Semester Two of your first year.

200-LEVEL AND BEYOND

Study includes learning about structural features of the fibres, yarns and fabrics, and how these affect the properties and performance of products they are used in; contemporary technologies, and textiles as evidence of cultural change. Each topic is examined in terms of theory, principles, practices and applications. Clothing and Textiles in Sport, for instance, includes an analysis of the physical structure of materials and the various products used in sport, and the way in which they function to identify the wearer, to enhance human performance and/or to prevent or minimise injury.

Grades with 54 points at 200-level and 72 points at 300-level in Clothing and Textile Sciences are eligible for the Licentiatehip of the Textile Institute (CText LTI) after one year’s relevant employment. Honours graduates are eligible for the Associationhip of the Textile Institute (CText ATI), both of which are internationally-recognised professional qualifications.

Comerce

There is no single subject called Commerce. Refer to the major subjects of Accounting, Economics, Finance, Information Science, International Business, Management, Marketing, Management, and Tourism. All subjects taught in the Business School can be put towards a BCom. In addition, you can undertake a minor in all of these areas except International Business. Hospitality and Entrepreneurship are offered as specialist minors only.

To complete a Bachelor of Commerce (BCom), you must complete, in addition to your major’s requirements, a set of “core” papers that provide an excellent general understanding of business.

To view all core paper requirements visit otago.ac.nz/courses/qualifications/bcom.html.

Academic advisors are available throughout the year to help you organise your study programme.

Communication Studies

Communication Studies focuses on the social, technological, political and cultural implications of current and changing communicative practices and networks. With an emphasis on social and media-based communication, courses initiate a critical and creative understanding of digital, broadcast, print, mobile and everyday communication.

Papers also develop skills in written work, data analysis, research and oral presentations.

Students can also study Communication Studies as a minor to enhance their undergraduate majors. Many MFCO Film and Media papers also count towards the COMS major.

CAREER OPPORTUNITIES

Communication Studies is a major that recognises the need for graduates who understand communication in the information age and the era of globalised media. The skills that students learn are widely applicable to a broad range of occupations and professions. Our graduates work as journalists (TV, radio, print), teachers, administrators, managers, communications and marketing co-ordinators, registrars and policy-makers and in the public service sector (Tertiary Education Commission, Department of Internal Affairs). Others are employed in private creative and media industries.

100-LEVEL PAPERS

COMS majors must take:

<table>
<thead>
<tr>
<th>Paper Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFCO 102</td>
<td>Understanding Contemporary Media</td>
</tr>
<tr>
<td>MFCO 103</td>
<td>Introduction to Communication Studies</td>
</tr>
<tr>
<td>MFCO 102</td>
<td>Understanding Contemporary Media</td>
</tr>
</tbody>
</table>

Introduces students to the core critical theories, ideas, concepts and debates at the heart of communication research. Gives a grounding in issues in communication theory, mass communication, audience studies, digital communication and the communication industries. Students will also develop their own skills in writing and reflecting critically about communication studies.

Please check the department website otago.ac.nz/info for the most recent paper information.

200-LEVEL AND BEYOND

Beyond 100-level, papers provide perspectives on media theories, communications history, technology, policy and audiences, important social, political, environmental and cultural issues involving media.

COMBINE WITH OTHER SUBJECTS

Communication Studies can be combined with the study of a wide range of other subjects, including English, Anthropology, Political Studies, Geography, History and Art History, Gender, Languages and Marketing.

Computational Modelling

See profile on page 58.

Science, technology, engineering and mathematics (STEM) skills are the backbone of a modern economy. A computational modeller bridges the gap between mathematics and the other STEM disciplines. When industrial scientists want to use mathematics and computing to solve a problem, they need computational modelling.

A computational modeller studies real-life problems and processes and then distils the key features into mathematical equations to construct a model. A well-designed model is the key to a successful outcome, while a badly designed model will make any mathematical solution worthless. It is no wonder that skilled computational modellers are in high demand. We are fortunate to have some of the top mathematical and computational modellers at the University of Otago.

The COMO programme will help you develop the skills for successful computational modelling. Many students take COMO courses as part of a degree in another discipline; others specialise in computational modelling itself.
If you are interested in Computational Modelling, contact the programme director Associate Professor David Bryant (david.bryant@otago.ac.nz).

COMO 101 Computational Mathematics

This is a general purpose paper that explains the theory and practice of differential equations, one of the most fundamental tools for computational and mathematical modelling.

Prerequisite: MATH 170

COMO 204 Differential Equations

This paper provides a comprehensive introduction to the theory and practice of differential equations, one of the most fundamental tools for computational and mathematical modelling.

Prerequisite: COMO 204 or MATH 262, MAT102

Computer Science

Computer Science is an exciting subject, especially for students who are interested in the modern world than ever before. In various forms, from smart technology, through phones and computers, they are essential to how we all work, play and communicate. Programming is a fundamental part of computer science, but computer scientists are not just programmers. The subject also includes: problem-solving, manipulating data, building networks, creating computer graphics, using artificial intelligence systems, designing games and web development. In Computer Science you can learn about all of these and more. Computer Science combines well with many other departments: Information Science (available in BA, BCom, BAppSc), Management Information Systems and Information Technology. Students who major in Computer Science are well prepared for careers in maths, physics, economics and finance. Students intending to work in business might combine Computer Science with Information Science, Marketing, Accounting or Finance as part of a BCom.

Computing

The University of Otago offers four computing-related subjects: Programming (BAppSc), Computer Science (BA, BSc), Information Science (available in BA, BCom, BSc) and Software Engineering (BAppSc). You need to select one of them for each of those elsewhere in this Subject Guide.

You can take a first-year course that will allow you to develop majors in any of these computing subjects. You can decide at the end of your first year which one you want as your major.

Consumer Food Science

Consumer Food Science involves the study of factors that influence our food choices and food production, for example cultural and ethical issues, sensory perception (taste, appearance, smell), food quality, policy, consumer behaviours, diet, nutrition, lifestyle and marketing influences. This area of study provides an opportunity to combine courses in the consumer aspects of food science, with business skills through a compulsory minor or second major.

Graduates are employed in careers as diverse as food promotion, sensory analysis, food quality management, consumer research, food legislation and policy, and new product development.

100-LEVEL PAPERS

If you intend to major in Consumer Food Science (BAppSc), you must take the following 100-level papers:

- COMP 116 Food Principles
- COMP 112 Introduction to Food Marketing
- ECON 111 Statistical Methods
- STAT 115 Introduction to Biostatistics
- CELS 101 Cell and Molecular Biology
- APEX 101 Effective Writing

You will also need to select additional papers required for your chosen minor or second major subject.

200-LEVEL AND BEYOND

Three core food science papers, which build your foundation knowledge of the science of food, are taken in second year: Food Systems 1, Food health and safety issues, sensory analysis. Other papers are selected to fulfil the requirements for your chosen minor or second major and may still be room to add extra papers relevant to Consumer Food Science, such as Psychology or Statistics.

At 300-level, a full-year paper in Food Product Development will give you valuable experience through a hands-on project, applying all the skills learnt to date. You will also study Advanced Sensory Science and look in more depth at factors affecting what foods we choose to buy. You will also complete the requirements for your minor or second major.

Criminology

Criminology is an interesting subject for academic study for students interested in critical social issues, policy, social institutions or who might end up in various professions such as social work, law, corrections, policy and policing. The study of criminology examines the social construction of crime, the historical, political and cultural dynamics that shape how societies define and manage some activities as being deviant or criminal as well as applying criminological theories to specific situations in policy and professional contexts.

The minor can be included in a number of degrees and is particularly useful as an adjunct to students majoring in Sociology, Anthropology, Gender Studies, Psychology, Politics and History or taking professional degrees in Law, Education and Social Work. To fulfil the requirements of a minor in Criminology students must take both:

- SOCIO 103 Crime, Deviance and Social Transformation
- CRIM 201 Crime, Justice and Society

The rest of the minor is made up of three choices from a range of recommended papers in Psychology, Gender Studies, Politics, History, Anthropology, Media, Film and Communications Studies and Law.

200-LEVEL AND BEYOND

200-level papers include dental materials such as ceramics, polymers and metal alloys and the construction of partial dentures, orthodontic appliances and conservative restorations.

300-level includes marketing, practice management, biomaterials research, construction of complex appliances for crown and bridge restorations; implant restorations and dentures.

Dental Technology

See profile on page 62.

A dental technician makes a wide range of dental appliances. The three-year Bachelor of Dental Technology degree (BDentTech) enables you to acquire the knowledge, understanding and skills to become a competent dental technician and work independently as a member of the dental team. There is also the option to do the Bachelor of Dental Technology with Honours (BDentTech(Hons)) which engages you in additional research-based papers.

Careers

Graduates can register with the Dental Council of New Zealand and work in many different areas of dental technology. There are opportunities for postgraduate study at the University of Otago, such as the Postgraduate Diploma in Dental Technology and Master of Dental Technology. Dental technicians can have direct clinical contact with patients, following completion of the Postgraduate Diploma in Clinical Dental Technology, providing a service in removable denture prosthetics. Registered clinical dental technicians in New Zealand are also entitled to register in Australia.

Admission

To be admitted to the course, students should have a minimum of 14 Level 3 NCEA credits in Chemistry and a minimum of 14 Level 3 NCEA credits in Physics, or approved equivalent. Application is made online through the website otago.ac.nz/healthsciences and must be completed by 15 September of the preceding year. Late applications may be considered. In addition, students must complete University enrolment procedures.

100-LEVEL PAPERS

If you wish to study for the Bachelor of Dental Technology degree, you must take the following 100-level papers:

- DTC 101 Dental Materials 1
- DTC 102 Dental Technology 1
- DTC 103 Oral Health Sciences for Dental Technicians
- CHEM 101 The Chemical Basis of Biology and Human Health
- PHYS 101 Biological Physics

200-LEVEL AND BEYOND

200-level papers include dental materials such as ceramics, polymers and metal alloys and the construction of partial dentures, orthodontic appliances and conservative restorations.

300-level includes dental technology, clinical research, construction of complex appliances for crown and bridge restorations; implant restorations and dentures.
Joanne has just received her first academic post. “I’m teaching first-year students the course that I used to be on. It has been a long journey but it has worked out well.”

After winning a Dental Council prize, Joanne went on to become the first student on Otago’s new Dental Technology honours programme, in which she researched biomaterials. “I really liked it because it’s very hands-on. Classes are relatively small, and the lecturers and tutors are really helpful.”

Dental Technology offers graduates a host of career choices, says Joanne Choi, who is now lecturing at Otago while she completes her PhD. “I like the environment and doing things that are informative and useful.”

“With more commercial experience first.”

Joanne worked as a crown and bridge specialist at a Christchurch dental laboratory for three years before returning to Otago for her doctorate. “My honours year changed how I viewed my studies because I realised how much research can influence the work that dental practitioners do.”

Dental Technology contributes to well-being, general health and appearance. Most graduates enter general practice on their own or in association with others. Some undertake postgraduate study and research for an academic career, or complete postgraduate clinical qualifications before entering specialist practice.

The Dental Council of New Zealand requires all dentists to register to practise in New Zealand. The minimum qualification is the degree of Bachelor of Dental Surgery (BDS) from the University of Otago, which has New Zealand’s only School of Dentistry. Graduates enjoy an excellent reputation internationally.

Dentistry is a challenging profession that requires a high degree of manual dexterity and precision and an ability to communicate well with a thorough academic understanding of not only the mouth, but also the head and neck region. The skills of a dentist enable him or her to diagnose, formulate and carry out treatment that is planned to each patient’s oral needs.

CAREER OPPORTUNITIES

Dentists work at all levels of care, from general practice to specialist practice, oral health promotion and research. Dentists also have opportunities to work in advisory roles, as well as using their practical skills.

“I’m constantly thinking of how my research might be applied in the commercial world.”

Joanne has just received her first academic post. “I’m teaching first-year students the course that I used to be on. It has been a long journey but it has worked out well.”

She hopes to continue lecturing and researching at the University. “After finishing my PhD, I want to develop my own research theme.

“Lots of people don’t know it but it’s really fun to find out new things and do work that can help people.”

Dietetics

Dietetics is the profession that works with people to help them improve their health through nutrition. Dietitians plan, communicate, and implement and evaluate effective nutritional management strategies based on current scientific evidence. If you are interested in people, food and nutrition, then dietetics is the career for you. There are work opportunities for dietitians in New Zealand and overseas.

The Dietetics course at Otago is a postgraduate course, so if you know now that you want to study dietetics, then, by planning your university course carefully, you can make sure you take the necessary papers in three years.

CAREER OPPORTUNITIES

Career opportunities include clinical dietetics in hospitals, the community and private practice; foodservice management in hospitals, residential institutions and the wider community; public health nutrition for public health organisations, government and non-government agencies; community nutrition for District Health Boards; the food industry, such as food manufacturers; medical nutritional reps for nutritional pharmaceutical companies; research and education within universities and polytechnics; sports and other consultancies: self-employed; government and non-government agencies.

200-LEVEL AND BEYOND

Although Dietetics is a postgraduate course, it is important to plan early and study science subjects such as Chemistry, Biology and Statistics at secondary school. To become a dietitian, you are required to complete a Master of Dietetics, but first you need to complete a three-year undergraduate degree in Human Nutrition.

In the first year of the degree, you must take Essential and Human Biology, Chemistry, Biochemistry, Statistics and a Food Science paper. In the second and third years, you study papers that look at how nutrients affect the human body, and the biochemistry and physiological systems of the body. In the second and third years, you also study how to organise and manage foodservice by providing healthy meals to a group of people.

200-LEVEL AND BEYOND

Following on from HSFY, the second year of the five-year BDS programme has three papers: The Dentist and the Patient, Biomedical Sciences, and The Dentist and the Community. These three papers continue through the later years of the programme with increasing experience in all aspects of clinical dentistry. In the later years there are opportunities for undertaking supervised clinical work outside of the Dunedin campus, elective study and for undertaking a research project.

“The Dentist and the Patient” begins to develop the idea of the patient as an individual, to be treated as a whole person, not just as a problem to be solved. The course aims to introduce students to the concept of patient dignity.

“Biomedical Sciences” introduces students to the biological and chemical processes that underpin health and illness. Students will be introduced to the body’s immune system, the processes of cell communication and growth, and the basis of genetics. The role of biology and chemistry in oral health will be introduced, and the place of chemical and biological sciences in the development of dental materials will be considered.

“The Dentist and the Community” takes the idea of the patient as an individual, and considers how this relates to the patient as a member of the community. Students will learn about the role of the dentist in the community, and the concept of active involvement in the community.

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Those who have a Nutrition degree from another university may need to complete additional papers before applying for entry into the postgraduate Dietetics programme.

Economics

Economics is the study of the distribution and abundance of living organisms and their relationships with their environments. Economics courses are taught by staff from a range of departments (e.g. Botany, Marine Science, Philosophy and Zoology).

The diversity of Otago’s habitats, ecosystems, plants and animals is reflected in the teaching and research. All Economics papers have fieldwork components exploring these habitats and the ecological/environmental issues associated with them.

CAREER OPPORTUNITIES
Interest in environmental and ecological issues, and public and governmental concern and debate has created a need for scientifically-trained ecologists. Graduates work in a range of fields, including central government institutions such as the Department of Conservation and Ministry for Primary Industries, Crown Research Institutes such as Landcare Research, local and regional councils, primary consultancies, tourism operations, secondary and tertiary teaching, and non-governmental organisations.

100 LEVEL PAPERS

If you intend to major in Ecology (BSc), you must take a number of specified 100-level papers:

BIOl 112 Animal Biology
BIOl 123 Plants: How They Shape the World
Ecolo 111 Ecology and Conservation of Diversity
GEG 101 Physical Geography
or EAGS 111 Earth and Ocean Science
or MATH 112 Global Marine Systems
STAT 110 Statistical Methods
STAT 115 Introduction to Biostatistics

Note: Please consult the Ecology Programme Director for further information: ecocprog@apo.ac.nz

200 LEVEL AND BEYOND

There are three required papers at 200-level and one at 300-level in Ecology, including a 300-level ecology field course, a data analysis paper and a wide range of ecologically-based papers from various departments.

With appropriate prerequisite papers, students may complete degrees with 100-, 200- and 300-level papers in science, as well as up to 90 points of non-science papers (e.g. Law, Management, Tourism).

100 LEVEL PAPERS

If you intend to major or minor in Economics, you must take the following 100-level paper:

BIS 113 Economic Principles and Policy
ECON 112 Principles of Economics 2 (pre-requisite: BIS 104 or ECON 113)

Note: Students intending to complete an honours degree in Economics should include 200-level papers in Mathematics and Statistics.

Education

Education can be studied as a subject major in a Bachelor of Arts (BA) degree, as a minor subject, or individual papers can contribute to other degrees.

Studying Education involves critical analysis of educational theories, policies and practices, to promote understanding of education in its social context and enhance educational processes. Education papers investigate how learning happens, and they identify and address patterns of success and failure in education. Some Education papers focus on sociological explanations: they investigate the politics of Education and the relationship of society and group membership to achievement. Other papers focus on psychological explanations: the mental activities associated with learning, while others focus on pedagogy and what makes a good teacher.

There are also more specialist papers that include, but are not limited to, Guidance and Counselling, Inclusive Education, and Information and Communication Technology. Education papers can link to study in related fields of History, Sociology, Psychology, Social Work and other majors.

CAREER OPPORTUNITIES

Education provides a foundation for careers that require critical thought, interactions with people, an understanding of human development and learning, policy analysis and advanced communication.

100 LEVEL PAPERS

If you decide to major in Education (BA), you must take the following 100-level paper:

EDUC 101 Education and Society

An examination of the political, social and cultural dimensions of contemporary educational practice.

Electronics

The three-year BSc ELEC degree is a programme that will equip you with a thorough understanding of modern electronics, and give you a solid foundation for a research or for an industrial career. The BSc ELEC is ideal if you are interested in mechatronics, instrumentation, open-source hardware or industrial electronics.

Our graduates work in a wide variety of interesting fields, ranging from the design of autonomous flying vehicles through to the development of new instruments for radio astronomy.

EDUC 102 Human Development

Lifespan development in its social contexts. A topic-based paper which includes the study of families, cultures within New Zealand and disability.

200 LEVEL AND BEYOND

Study outline:

- Critical analysis of the theory and practice of teaching and learning in schools and other contexts
- Information technology in education, including the use of the internet for teaching and learning
- Inclusive education and issues of disability and social justice

Aspects of Teaching

- Relationships between education, families, peers and the community
- Gender issues in education
- Guidance and counselling
- Historical analysis of the origins of current educational ideas and practices in education
- The relationship between educational practices, social structure and social change in different societies
- The analysis of the policy and ideological contexts of education
- Early years education
- Introduction to qualitative and quantitative research methods in education.

The College of Education also offers initial teacher education programmes, for information on qualifying to be a teacher see Teaching.

Energy Management / Energy Studies

Global resource depletion, concern about the environment and new renewable energy technologies are creating fundamental changes in the way energy is produced and used in society and the economy. The BSc in Energy Studies and BAppSc in Energy Management programmes provide students with the knowledge and skills to contribute to these rapidly changing and crucially important developments in New Zealand and internationally. Students develop an understanding of renewable and non-renewable resources; technologies and systems for converting these resources into useful energy, and the societal, economic and environmental context of energy.

CAREER OPPORTUNITIES

Graduates find existing employment opportunities as energy professionals in a wide variety of energy-related roles. These include designing and implementing renewable energy supply solutions in energy companies, renewable energy and energy-efficient technology research and development, industrial energy management and developing public energy policy.

100 LEVEL PAPERS

If you intend to major in Energy Management (BAppSc), you must take the following 100-level paper:

Note: The BAppSc course must include a compulsory minor in a related discipline.

If you intend to major in Energy Studies (BSc), you must take the following 100-level paper:

Note: The BAppSc course must include a compulsory minor in a related discipline.

From 200-level onwards, papers become more specialised. You will study thermodynamics – the science underlying energy, and explore the rapid technological developments in renewable energy and relate these to the practical and social issues of energy use and production. You will develop the skills and knowledge that energy professionals require: how to carry out energy assessments, design better energy systems and help people and organisations make better energy decisions.
“THE PROJECTS I’VE WORKED ON DURING MY INTERNSHIPS HAVE ENABLED ME TO COLLABORATE WITH SOME EXTRAORDINARY INTELLIGENT, INSPIRING INDIVIDUALS.”

Business student Amanda Navaratne has had international work experience and substantial job offers, all before she has even finished her double degree.

She credits her success to the Otago Business School Internship Programme, which kick-started her career at the end of her second year, studying for a BCom (Economics and Finance) and BA (Politics). Growing up in Queenstown and Dunedin, Amanda had formed a keen interest in business long before her Columba College team won the Otago Regional Young Enterprise Scheme and prizes of Otago Business School scholarships.

Despite her scholarship, Amanda’s desire to gain independence and broaden her horizons led her to study in Auckland instead.

A year later, homesick and wiser, she returned to Otago. “I’d discovered my interest in business long before my Columba College team won the Otago Regional Young Enterprise Scheme and prizes of Otago Business School scholarships.

At the end of her third year, she landed a three-month management internship in Auckland, after which a role in the firm’s Sydney-based consulting division became available. “It would have been an incredible opportunity but finishing university was my first priority.”

English

See profile on page 68.

Literature is the “site of a constant creative renewal of language, perception, communication, and imagination” (Zipf).

English at the University of Otago opens the vast and provocative range of literatures written in English, provides a grasp of concepts and techniques for analysing texts and improves communication skills. Students find their perceptions sharpened, their understanding deepened and their enjoyment enhanced – for life. And they equip themselves for careers in almost any sector of society where critical and flexible thinking and imagination are required.

CAREER OPPORTUNITIES

“Good readers and writers can do anything.”

A degree or minor in English advances any professional career such as law, education, business or health. Graduates work in journalism, editorial work, publishing, library work, film, radio, theatre and television, personnel and information management, policy initiatives for government, diplomacy, arts management, teaching and educational administration and research for business and industry.

100-LEVEL PAPERS

If you intend to major in English (BA), you must take ENGL 121 and one other 100-level English paper.

ENGL 121 English Literature: a Survey

ENGL 127 Effective Writing

ENGL 128 Effective Communication

ENGL 131 Contemporary Classics

ENGL 121 English Literature: a Survey

Presents major writers of English literature from the Middle Ages to the present, focusing on the transformations of one text by another. Authors studied include Chaucer, Shakespeare, Austen, Stoppard, Carter, and a range of poets writing in the sonnet tradition.

ENGL 127 Effective Writing

Hones writing skills and helps students to write effectively in any situation. Teaches key aspects of effective writing: grammar, punctuation, style and expression. Practical writing sessions provide supervised opportunities to apply those skills to your academic or professional interests.

ENGL 128 Effective Communication

Helps students speak and write with confidence and skill. The paper is designed not only for arts students, but also for students in the sciences or professional programmes who are interested in improving communication skills.

ENGL 131 Contemporary Classics

A study of literary classics that have attracted controversy for reasons including political content, issues of morality/obscenity, transgressive conventions of form, polemical works; questions of authorial identity and authenticity; controversies over prizes and literary merit. Works from the historical to the contemporary, and from a wide range of national backgrounds, are covered.

200-LEVEL AND BEYOND

Courses range from early English language and culture to the present. Literature papers include contemporary American and New Zealand literature, Shakespeare, modernist and postmodernist fiction and poetry, textuality and visuality, as well as postcolonial and digital fiction.

We also offer a minor in Writing, including papers in Essay and Feature Writing, Travel Writing, Professional Writing, and Creative Non-Fiction.

English for University Purposes

100-LEVEL PAPER

ENGL 126 English for University Purposes

This paper caters for non-English majors and multilingual speakers/writers in all academic disciplines looking to improve basic spoken and written communication skills. It teaches advanced reading comprehension, academic and professional writing, and presentation skills.

Note: First-year Health Science students are required to take ENGL 126 if they do not pass the Health Science English Diagnostic Test.

Entrepreneurship

Entrepreneurs identify problems, develop innovative solutions that address them, and behave resourcefully in starting new businesses to provide the product or service solution to customers. We can help you learn to think as an entrepreneur and to identify opportunities for starting your own company or helping your employer move into new markets.

Entrepreneurship is offered as a minor subject within the BCom and many other degrees. You will need to complete:

ENG115 Accounting and Information Systems

MAT112 Marketing Management

or any other 200-level Commerce paper from Schedule C.

MKT303 Entrepreneurship

MAT301 Managing Innovation and Growth

or

MKT306 Innovation and New Product Development

Please note: You cannot normally double count 200- and 300-level papers towards more than one qualification.

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Subject Guide
Environment and Society

The Environment and Society minor deals with the relationships between people, their activities and the biophysical environment, and develops an understanding of the sociocultural context of environmental problems. It is intended for students from across the University who want to develop a sense of environmental awareness in their programme, without taking a specialist minor or major. The minor requires ENVI 111, ENVI 211 and ENVI 311, plus two more papers approved by the course co-ordinator as being relevant to the minor and the student's area of interest.

PAPERS IN SUBSEQUENT YEARS

ENVI 211 Environmental History of New Zealand
ENVI 311 Understanding Environmental Issues

Environmental Management

This Bachelor of Applied Science degree provides science-oriented training in environmental management theory and practice, based on a firm understanding of environmental systems, and the human context of environmental problems. The course is based on a core of environmental management papers, but with the flexibility for students to develop a scientific or technical specialisation, with particular relevance to the environment and their own interests.

CAREER OPPORTUNITIES

The demand for Environmental Management graduates remains strong. Our graduates may find employment in central, regional or local government departments that deal with the environment, resource management and/or planning, as well as environmental consultancies, private industry and non-governmental organisations. Many have found work in this field overseas.

100 LEVEL PAPERS

If you intend to major in Environmental Management (BAppSc), you must take the following 100-level papers:

PAPERS WORTH AT LEAST 150 POINTS INCLUDING:

- GEOG 101 Physical Geography
- ENVI 111 Environment and Society
- AND CyberNET 106 ENVI 111, ENVI 211, ENVI 311

Note: The course must include either a major (at least five courses of papers that equal to a minor) or a second major taken from an approved list of subjects.

Environmental Science

A postgraduate programme in Environmental Science is offered at master's level. You need a Bachelor of Science degree or equivalent in any natural or physical science field to be considered for a place. You should therefore choose the science subjects that interest you most. Papers relevant to environmental issues, and a personal interest in the environment, are of benefit. It is advisable to have a basic Statistics course in your degree.

CAREER OPPORTUNITIES

Our graduates have found work at regional councils, the Ministry for the Environment and other government agencies concerned with the environment. Graduates also work in a wide range of commercial and industrial activities involving the environment.

European Studies

European Studies covers the remarkable social, economic, political and cultural transformations that have taken place over several centuries and have now, among other changes occurring in Europe, resulted in European integration and the building of the European Union. By focusing on the long-term factors that gave rise to these developments, students will gain a substantive perspective on modern Europe and the issues emerging for an enlarged concept of European nations. The major in European Studies provides language training in French, German or Spanish. The minor is intended for students from across the University who want to develop a sense of environmental awareness in their programme, without taking a specialist minor or major. The minor requires ENVI 111, ENVI 211 and ENVI 311, plus two more papers approved by the course co-ordinator as being relevant to the minor and the student's area of interest.

PAPERS IN SUBSEQUENT YEARS

Europe and optional papers are available at 200- and 300-level. They review the emergence of the idea of Europe and illustrate how this idea has led to European integration, evaluating the prominent role played by rational understanding in underpinning the project of Europe. Other papers compare modernist and postmodernist narratives in the context of contemporary Europe. There is also a 200-level paper in Politics, Politics of the European Union.

Exercise and Sports Science

See Physical Education for details on admission into this major.

In the Exercise and Sports Science (ESSS) major students explore the mechanics, physiology and control of human movement, especially in exercise. Graduates of the ESSS major understand, and have the practical abilities in, the role of exercise in health maintenance and sport performance. Subject areas include: Exercise Physiology and Metabolism; Human Development; Motor Control; Performance Analysis in Sport; Sport Psychology; and Sport Technology.

A review of these programmes is currently being undertaken and they are expected to change. Interested parties should consult the School's website for the most up to date information: physed.otago.ac.nz/mainp.

CAREER OPPORTUNITIES

The ESSS major enhances students' technical, critical and problem-solving skills. These skills have enabled recent graduates to gain employment in national and regional sports organisations and trusts; city councils; fitness centres; and clubs.
CAREER OPPORTUNITIES
Graduates work in investment and retail banks, brokerage houses, private sector organisations, government departments such as the treasury and the reserve bank, chartered accounting firms, professional organisations, research units, investment consultancies and international agencies.

100-LEVEL PAPERS

If you intend to major in Food Science (BSc), you must take the following 100-level papers:

Food Science

At the heart of Food Science is understanding food – its components, its quality and its consumer appeal. Food Science prepares people for creative, challenging, diverse and rewarding food industry careers.

There are two major areas of study: Food Science (BSc degree) and Consumer Food Science (BAppSc degree).

1. Food Science studies food composition and chemistry, product development, food quality and safety and sensory properties. It builds on Biology, Chemistry and Physics, and interacts with disciplines such as Microbiology, Biochemistry, Biotechnology and Nutrition.

2. Consumer Food Science studies what influences our food choices, culture, sensory properties (taste, smell, appearance and texture), food policy, lifestyle and marketing. It can combine with Marketing, Management, Nutrition Communication and Food Service Management.

Additionally, many other professional fields, ranging from patent law, investigative journalism to wildlife protection, are becoming increasingly dependent on forensic knowledge and techniques. In general there is an increased need for excellent investigative skills, which are anchored in solid analytical science training.

The Forensic Analytical Science degree at Otago focuses on modern analytical techniques of forensic biology (taphonomy and DNA) and forensic chemistry (spectroscopy, isotope geochemistry, ecology). The principal roles of forensic researchers at Otago develop new applications and assist New Zealand and overseas law enforcement agencies with forensic casework like provenancing human remains. Postgraduate students are involved in developing new techniques and applications.

The course supports many other possible career opportunities, for example in areas of commercial interest such as primary product traceability (milk powder, meat, wine) and combating counterfeit materials (pharmaceuticals) which are growing rapidly in number, importance and scope.

100-LEVEL PAPERS

There are two routes to the major in French (BA): one for those with no prior knowledge of French, the other for those with prior knowledge. The papers required in the first year are:

MAJOR for those with no prior knowledge of the French language:

O 100 Level papers

- Introduction to French Language
- Written and Oral Communication

MAJOR for those with prior knowledge of the French language:

O 100 Level papers

- Introduction to French Language
- Written and Oral Communication
- Advanced French Language
- Contemporary French Language

French

French is a major international language. It is spoken in Europe, Africa, Asia and the South Pacific region in a total of 47 countries around the world. The French Programme offers courses and study opportunities for all levels from beginners to postgraduate level.

French students study language, literature, art and culture, and receive tuition from native French speakers in conversation classes. Students are encouraged to use the French language whenever possible, both in and outside the classroom.

CAREER OPPORTUNITIES
Graduates work in New Zealand and overseas in teaching, translation and interpreting, libraries, journalism, radio and television, the Ministry of Foreign Affairs and Trade and other government departments, and in law, business and administration.

100-LEVEL PAPERS

There are two routes to the major in French (BA): one for those with no prior knowledge of French, the other for those with prior knowledge. The papers required in the first year are:

MAJOR for those with no prior knowledge of the French language:

PHIL 101

Introductory French 1

PHIL 102

Introductory French 2

FRAL 101

Francais et la Francophonie Worldwide (usually taken in second year by students starting with FRAL 101)

MAJOR for those with prior knowledge of the French language:

FRAL 141

France and the Francophone World

FRAL 232

Intermediate French

FRAL 295

French for Professional Purposes

Students may be given a placement test to ensure they are enrolled at the appropriate level.

*Subject to availability
Students learn by doing rather than by studying what is written on the board."

Finance

Dr Numan Ulku believes that merging academic work with real life is a great way for students to learn Finance. Numan practises what he preaches. He qualified with a BA and an MA in management and a PhD in banking in his native Turkey.

Throughout his academic career in Turkey, he also worked as a strategist and technical analyst at an investment bank and was a regular television commentator on financial markets and the economy.

Following further academic posts in Hungary and Bulgaria, he accepted an offer to join the Department of Accountancy and Finance at Otago.

Numan points out that most people who gain technical skills end up getting paid for them by working for someone else, unless they are prepared to become an entrepreneur, which involves huge commitment and risk.

“But when you use your technical knowledge in finance you can directly apply it in financial markets on your own. Trading in financial markets is exciting. Gaining insight into what is going on in real life by doing scientific research is the peak of adventure.

“In our classes, we analyse real life financial markets, make real-time forecasts and evaluate the outcome. We apply the knowledge we have gained from academic research.

“Students learn by doing rather than by studying what is written on the board.”

Finance

“STUDENTS LEARN BY DOING RATHER THAN BY STUDYING WHAT IS WRITTEN ON THE BOARD.”

FREN 131 Introductory French 1
A communicative course for beginners and near-beginners.

FREN 132 Introductory French 2
A communicative course for near-beginners that follows on from FREN 131.

FREN 141 France and the Francophone World
The study of selected texts representative of French and Francophone culture (for students with knowledge of French, as texts will be in French).

FREN 232 Intermediate French
The development of skills (listening, speaking, reading and writing) in French language to an intermediate level for those with the equivalent of four to five years of high school French.

Note: The paper should be taken in the first year in order to complete the major in three years.

FREN 233 French for Professional Purposes
This language acquisition paper has a practical focus, with a particular emphasis on the development of students’ oral and oral skills.

200-LEVEL AND BEYOND
Beyond first-year papers, the French Programme offers advanced language acquisition papers and a range of text/culture papers covering works from the 17th century to the present day.

ASSISTANTS AND EXCHANGES
The French Government offers bursaries and teaching assistantships for study and work experience in France, New Caledonia and Tahiti. A student exchange programme operates with Lyon 3, a university in South-East France, and universities in Paris, including Paris III Sorbonne Nouvelle and Paris X Nanterre as well as in francophone Canada. Students may attend a one-semester course that counts towards an Otago degree.

100-LEVEL PAPERS
If you intend to major in Gender Studies (BA), you must take the following 100-level papers:

GEND 101 Gender in Everyday Life
Explores the social relationships between women and men, with New Zealand examples from the past and present.

GEND 102 Bodies, Sexualities and Selves
Experiences of bodies, sexuality and identity, and the connections between them, in contemporary and historical settings.

200-LEVEL AND BEYOND
Papers cover gender and work, consumer culture, the media, state power, masculinity, victimology, feminist theory, sexuality and subjectivity. At 200- and 300-level, you can also select from a wide range of gender-related papers taught in other departments.

Genetics

Genetics is the study of genes and inheritance. It is a rapidly progressing science and a central theme of modern biology. Genetics is a very diverse subject – you learn about a wide variety of things ranging from the molecular basis of life to the study of whole organisms, populations and evolution.

CAREER OPPORTUNITIES

A degree in Genetics gives you a wide range of marketable skills suitable for employment in biologically-based industries, research organisations and government departments. You could be a research associate, policy analyst, biotechnologist, conservation worker, or biosecurity analyst, to name but a few! With further training, you could be a patent lawyer, genetic counsellor or forensic scientist.

100-LEVEL PAPERS
Students intending to major in Genetics must take the following 100-level papers:

CELL 191 Cell and Molecular Biology
CHEM 191 The Chemical Basis of Biology and Human Health

BIOC 192 Foundations of Biochemistry
Biol 112 Animal Biology
Biol 113 Biology of Plants

ECOL 111 Ecology and Conservation of Diversity
HUMS 191 Human Body Systems 1
HUMS 192 Human Body Systems 2

MATH 110 General Mathematics
MATH 110 Mathematics 1

STAT 110 Statistical Methods

Further courses with an application area that is of interest to them to get the most out of the degree.

Geographic Information Systems

The RNZPC in Geographic Information Systems will appeal to students with an interest in geography, computers, working with maps, and applying map data to examine a wide variety of applications and problems. The degree covers all aspects of geographic information from its representation on maps and in aerial survey (including satellite remote sensing), how different types of information are brought together, techniques of spatial data analysis and approaches to data visualisation. It includes papers from Surveying, Information Science and Geography.

Geographic information systems have become widespread in the form of Google Earth/Maps and through mobile technologies. They are commonly used for applications in business, health, ecology, planning, international development, environmental conservation and many areas of interest. Students can blend required courses with an application area that is of interest to them to get the most out of the degree.

Gender Studies

Gender, and how we live it, has far-reaching implications for our lives. It shapes the work we do and how we spend our leisure time, our income, our family relationships and friendships, the values and meanings we attach to other people and activities, what we eat and how we dress, and even how we speak and move.

In the past few decades, theoretical and everyday notions of gender have undergone dramatic changes, influenced by changes in the organisation of society and by a rapidly expanding field of critical inquiry.

A major can be combined with subjects such as Sociology, Anthropology, Criminology, English, Media, Film and Communication Studies, Politics, Law, History, Art History, Education and Social Work.

CAREER OPPORTUNITIES

Graduates work in social and cultural policy development and analysis, education, the media, professional arts, EEO, human rights and health professions, non-governmental organisations, management, health and community advocacy, and social and family work.

This language acquisition paper has a practical focus, with a particular emphasis on the development of students’ aural and oral skills.
CAREER OPPORTUNITIES

Graduates with the BAppSc in GIS work in private consultancies, local authorities, central government departments and non-government organisations in various analysis, consultancy and management roles.

100-LEVEL PAPERS

If you intend to major in Geographic Information Systems you must take the following 100-level papers:

- Papers worth at least 120 points including:
  - COMP 101 Foundations of Information Systems
  - COMP 150 Practical Programming
  - COMP 160 General Programming
  - SURV 102 Geospatial Sciences
  - MATH 160 Mathematics 1
  - MATH 170 Mathematics 2
  - and at least one of GEOG 101, 102; ENVS 110; SURV 101, ENGS 228

Note: Applied Science is a three-year degree that incorporates a compulsory second major or a minor, making it a very valuable programme. An honours degree programme is also an option in Geographic Information Systems.

200-LEVEL AND BEYOND

200-level papers introduce the concepts and techniques of GIS, databases, networks, systems analysis and a geographical or surveying application.

300-level papers introduce remote sensing, photogrammetry, GIS programming, spatial databases and further spatial analysis and a geography/surveying application.

Opportunities for postgraduate study and research include a Postgraduate Certificate or Diploma in Applied Science, as well as the MAppSc (coursework master’s, papers only) and PhD degrees.

Geography

See profile on page 75.

Geographers seek to understand the web of interactions between people and the environment. Geography can be studied for qualifications in Science, Arts and Applied Science.

BSc and BSc(Hons) students focus on physical geography, including land-forming processes and their expression in the landscape, the earth’s weather systems and climates, factors which lead to geographic variations in the distribution and growth of living things, and environmental controls on the availability and quality of water. BA and BA(Hons) students focus on issues of uneven development, social themes like ethnicity, childhood and gender, urban and rural change, geopolitical conflict, the human use of natural resources and the process and implications of economic restructuring. Bachelor of Applied Science (BAppSc) students focus on processes of “environmental management”, taught through a series of undergraduate and postgraduate papers in Geography. They also take science papers in Geography, such as climatology, biogeography, hydrology and geomorphology, and other science credits. Students are encouraged to pursue associated sciences, such as Geology, Surveying (particularly GIS), Botany, Ecology, and Commerce papers, and to develop a minor in one of these subjects.

CAREER OPPORTUNITIES

Geography graduates work in the public and private sectors. Their skills and interdisciplinary outlook prepare them for a diverse range of careers. Central government departments, state-owned enterprises, local government and private corporations employ Geography graduates in areas such as regional and resource planning, environmental management, natural resources (especially water) analysis, social and economic research, social services and tourism. Geographers also become teachers. Many graduates have studied for higher degrees at the University of Otago or at universities in North America, Australia and the United Kingdom.

100-LEVEL PAPERS

If you intend to major in Geography (BA, BSc) or complete an honours degree, you must take the following 100-level papers, preferably in your first year of university study:

- GEOG 101 Physical Geography
- GEOG 102 Human Geography

GEOG 101 Physical Geography

Introduces the geographic study of the earth’s environmental systems, emphasising climate, landforms, vegetation, surficial materials and water.

GEOG 102 Human Geography

Focuses on environment and development themes, urban growth, resource and economic and community development, and global and political spaces.

200-LEVEL AND BEYOND

A core paper at the 200-level is an introduction to research methods in Geography, while another at the 300-level places greater emphasis on field studies. Optional papers include papers dealing with soils, climate, plants, people and the environment, freshwater resources, environmental management, geomorphology, hydrology; resource evaluation and planning, social, political and urban geography, transformations in developing countries, and uneven development.

Opportunities for postgraduate study and research include a two-year programme in Planning, programmes for the postgraduate diplomas in Arts and Science, as well as the BA(Hons), BSc(Hons), BAppSc(Hons), MPlan, MA, MSc, MAppSc and PhD degrees.

Geology

Geology, the science of the Earth, is concerned with understanding geological principles and processes. This understanding is increasingly essential for those concerned with natural hazards, civil engineering problems, impacts of global change, the responsible use of Earth’s natural resources, pollution and waste disposal, and environmental and resource planning and monitoring.

Geology at the University of Otago highlights the exciting and dynamic geological history of New Zealand and the origin of New Zealand’s fauna and flora. Geology/Earth Science combines well with Anthropology, Botany, Chemistry, Ecology, Environmental Science, Geography, Marine Science, Physics, Surveying and Zoology.

CAREER OPPORTUNITIES

Graduates work in the assessment of natural hazards (earthquakes, volcanic eruptions, landslides, floods); site investigations for engineering projects; environmental planning and monitoring; conservation and management of soil and groundwater resources; exploration for energy and mineral resources; research into Earth processes and history: Antarctic geology; oceanography and climate change. They work in the private sector (e.g. earth science or engineering consultancies, mineral exploration or mining companies, oil companies); regional councils or government agencies (e.g. GNS Science, NIWA) and teaching.

100-LEVEL PAPERS

If you intend to major in Geology (BSc), you must take the following 100-level papers:

- GEOL 111 Earth and Ocean Science
- GEOL 112 Dynamic Earth, a New Zealand Perspective

Leigh Clutterbuck Young likes the way she was able to keep her degree courses flexible so she could concentrate on what she enjoyed the most. She started studying geography as she had always liked it at school. She also did first year law, looking at the possibility of moving on to environmental law. After her first year she decided not to pursue law, instead adding environmental management as a minor to her geography BA.

CSS 102 Environmental Management as a minor to her geography BA.

“I’ve always enjoyed the more social side and how people interact with the environment and how the environment is affected.”

On Legh’s own social side, she played netball in her first year, and volunteers with the Rock Solid youth leadership programme in South Dunedin. She hopes to go on to a Master of Planning, and then travel overseas to get involved with development work.
Note: Students must also take papers worth at least 72 points from Biology, Statistics, Mathematics, Computer Science, Information Science, Chemistry or Physics before completing a degree.

ENGS 111 Earth and Ocean Science
Features the evolution of continents and oceans; sea-floor spreading; mountain ranges; plate tectonics; oceanic circulation and global cycles; erosion and sedimentation on land and sea; marine biological systems; evolution of life through the ages; oceans; climate; and the Solar System.

GERK 112 Dynamic Earth, a New Zealand Perspective
Features volcanoes, earthquakes and related hazards; crystals, minerals; igneous, sedimentary and metamorphic processes; geological structures and geological maps; Earth resources; and New Zealand’s geological evolution.

200-LEVEL AND BEYOND
200- and 300-level papers include field-mapping schools and excursions. Students carry out independent field-based research in their third and fourth years of Geology.

There are BSc, BSc(Hons) and BAppSc courses, as well as postgraduate qualifications (PG DipSci, MSc and PhD). Some advanced papers may be valuable to students majoring in other subjects.

German
German is one of the major European languages. German culture has contributed greatly to the development of literature, science, philosophy, music and the visual arts in the Western world, and modern Germany is a major power in the European Union. German enhances the study of many other disciplines. It involves the systematic study of a language that is a close cousin of English.

Courses are based on active use of the language, both oral and written, and include extra-curricular activities, such as German films, cultural events, camps and the production of an annual play. Study in Germany is possible through exchange arrangements with the Universities of Heidelberg and Tübingen.

CAREER OPPORTUNITIES
Graduates work in teaching, science, the media, law, government departments (e.g. Foreign Affairs and Trade), tourism and business.

Greek
 Greeks offer linguistic training and the experience of reading major works of ancient Greek literature, drama, history and philosophy in the original language. (For Classical Studies courses taught in English translation, see Classics.) Greek and/or Latin papers constitute an optional component of the major for the BA and are strongly recommended for the BA (Hons) in Classics (at 400-level). A knowledge of ancient Greek (and/or Latin) is an essential skill required for postgraduate work in Classics.

100-LEVEL PAPERS

GERK 111 Introductory Greek 1
A reading-based beginners’ paper covering the basic elements of ancient Greek grammar and vocabulary, designed to develop reading skills in ancient Greek.

GERK 112 Introductory Greek 2
A continuation of GERK 111, incorporating more advanced grammar and syntax and designed to develop reading skills in ancient Greek.

200-LEVEL AND BEYOND
Greek papers at these levels focus on improving language skills and reading major texts of Greek literature in the original language.

Health Sciences First Year

The Health Sciences First Year (HSFY) prepares students seeking entry into Health Sciences professional degrees Dentistry (BDS), Medical Laboratory Science (BMLSc), Medicine (MB ChB), Pharmacy (BPharm), or Physiotherapy (BPhys). It is also a suitable academic preparation for students wishing to take programmes such as Oral Health (BOH), Dental Technology (B DentTech), Radiation Therapy (BRRT), or a B Biomed or BSc, majoring in biological sciences.

HSFY is a programme only available at Otago, to be completed in its entirety in the first year of your university study. HSFY consists of seven compulsory papers plus the option to take an eighth paper in Semester Two.

“DOING LAB WORK EVERY WEEK WITH APPROACHABLE PROFESSORS MAKES LEARNING A LOT EASIER.”

One of Lauren Tookey’s favourite memories of her BSc in Geology is remote field camps in Central Otago – “no cellphone coverage, no distractions, just you and nature. That was cool.” Lauren’s interest in geology was sparked at school in New Plymouth, learning about Mount Taranaki, volcanoes and plate tectonics. With a Frontiers of Science scholarship and a local Taranaki scholarship, she chose Otago to study geology, with maths as a minor. While Lauren knew what she wanted to study, her friends’ experiences led her to advise uncertain first-year students to take a variety of papers in case they find they want to change course. She also recommends making the most of the Unipol Recreation Centre, from the free gym to a large range of services and activities – Lauren played football, cycled and ran for fun. Lauren loves studying geology, from the department’s historic location to the practical work. “Such beautiful old buildings make you feel you’re studying somewhere really professional, and doing lab work every week with approachable professors makes learning a lot easier.”

Last year she started demonstrating for younger undergraduates and presented a poster chosen to represent a class research project at the Geoscience Society of New Zealand conference in Wellington.

Shes continuing the project on ice deformation for her honours year. “I really, really like it because it uses quite a lot of maths and combines a lot of geological theory with practical work.

“Once I see how the research goes I’ll be able to decide if research is really for me or not, and I can consider whether to go for a master’s or PhD, or go into industry.”

Lauren has already had a taste of the real world, working as a summer intern at Shell Todd Oil Services in New Plymouth. “I had to do a project that involved reading a lot of academic literature and applying it. All of the work I had done at Otago thoroughly prepared me for that.”

“It was a lot of work, but I learned a lot from it. It was definitely a good experience for me.”

Health Sciences First Year

The Health Sciences First Year (HSFY) prepares students seeking entry into Health Sciences professional degrees Dentistry (BDS), Medical Laboratory Science (BMLSc), Medicine (MB ChB), Pharmacy (BPharm), or Physiotherapy (BPhys). It is also a suitable academic preparation for students wishing to take programmes such as Oral Health (BOH), Dental Technology (B DentTech), Radiation Therapy (BRRT), or a B Biomed or BSc, majoring in biological sciences.

HSFY is a programme only available at Otago, to be completed in its entirety in the first year of your university study. HSFY consists of seven compulsory papers plus the option to take an eighth paper in Semester Two.
The Health Sciences First Year course should be taken in students’ first year of university study. Students who are thinking of completing any science or health science subjects enrol in the Health Sciences First Year course are strongly advised to contact the Health Sciences Admissions Office for further information before commencing study. Students who have already completed prior university study should contact the Health Sciences Admissions Office for further information.

Enquiries should be made to:

The Manager, Health Sciences Admissions
health-science@otago.ac.nz

The HSFY programme comprises seven compulsory papers:

BIOC 192 Foundations of Biochemistry
CELL 191 Cell and Molecular Biology
CHEM 191 The Dynamic Basis of Biology and Human Health
HUBS 191 Human Body Systems 1
HUBS 192 Human Body Systems 2
PHYS 191 Biological Physics

Notes:
1. Students may study an additional optional paper during their first year (see notes at the foot of the page). This is to allow students to enrol in more than one compulsory paper during their first year of study.
2. All HSFY students will sit an English diagnostic test. Students not achieving an acceptable standard in the English diagnostic test are required to complete ENGL 191 English Language Development.
3. Students who apply to either Medical Laboratory Science, Pharmacy, Psychology or Radiation Therapy should not enrol in the English Language Development paper.
4. If you do not meet these residential criteria please contact health-sciences@otago.ac.nz

CULTURALLY-SENSITIVE ISSUES

In Health Sciences professional programmes some aspects of teaching require individuals to partially disrobe and take part in activities that include physical contact between students. This training is closely supervised and all students are required to participate even though some may find the activities culturally sensitive.

In the event that you find yourself in a situation that would be sensitive to your culture or beliefs, you should contact the Associate Dean for Student Affairs of the relevant school for advice.

 Hebrew
classical hebrew, which is closely related to - the modern language spoken in israel, is the language of the hebrew bible or old testament, and is an essential tool for the study of both the bible and ancient judaism. it is taught at the university of otago to an advanced level. papers at 100-level are taught jointly with the university of auckland by videoconference.

Notes:
1. It is possible to take 200-level papers after completing only one 100-level hebrew paper or if you have completed 100 points in any subject.

100-LEVEL PAPERS

HEBR 111 Introductory Biblical Hebrew 1
A paper for beginners covering the basics of Biblical Hebrew grammar and vocabulary, to enable students to read the Hebrew Bible in the original.

HEBR 112 Introductory Biblical Hebrew 2
A continuation of HEBR 111, including the exegesis of selected passages from the Hebrew Bible.

200-LEVEL AND BEYOND

Hebrew can be studied at an advanced level by way of selected papers in Biblical Studies.

CAREER OPPORTUNITIES

Grads enter a wide range of professions, including teaching at all levels, journalism, broadcasting, library work, government service and industry. Graduates acquire the ability to collect and analyse data and write clear, coherent and balanced reports based on this analysis, together with the ability to think independently, flexibly and objectively. These skills are readily transferable to many occupations.

100-LEVEL PAPERS

If you intend to major in history (RA), you must take two 100-level HIST papers worth at least 36 points (100-level ARTY paper may be substituted for one 100-level HIST paper).

Note: it is possible to take 200-level papers after completing only one 100-level history paper or if you have completed 100 points in any subject.

HIST 102 The Global Twentieth Century
An exciting exploration of the twentieth century’s wars and revolutions, booms and busts, dictators and democratic forces, providing students with a secure historical base for understanding today’s complex globalised world.

HIST 106 East Meets West: Encounters in Global History
This course examines the long history of encounters between Asians and Europeans. The heart of the course is a discussion of the silk road and the rise and fall of the mongol empire, but it will also examine cross-cultural contacts in the indian ocean.

HIST 107 New Zealand in the World, 1350-2000
New Zealand history from its beginnings in the Polynesian world, to a colony of the global british Empire, and to a multicultural nation that now identifies itself as part of the Asia-Pacific region.

HIST 108 From Medieval to Modern Europe
An examination of principal trends in the development of European civilisation between the early middle Ages and the nineteenth century.

200-LEVEL AND BEYOND

Advanced courses study a wide variety of geographic areas, including: Medieval and Modern European history, Asian and Pacific history, New Zealand, Australian and US history – and others, including gender history, medical history, environmental history and historical methods. At otago, students have access to the resources of the Otago Collections, one of the best research libraries in the country.

HUMAN NUTRITION

A Human Nutrition degree is the basis for further professional study, in such fields as nutrition promotion and education, dietetics, sports nutrition, teaching, independent consultancy, food service, food manufacturing and retailing, and nutrition research. It provides an excellent opportunity for those seeking graduate entry into Medicine and Pharmacy.

Human Nutrition papers are useful and interesting additions to a degree in Food Science, Physical Education, Marketing, Physiology, Microbiology, Biochemistry, Chemistry and many other disciplines. Year 12 Chemistry, Biology, Mathematics (with Statistics) are highly recommended. English is also recommended.

CAREER OPPORTUNITIES

Graduates work in science research, the food and food service industry, district health boards, public health agencies such as the Heart Foundation, the fitness industry and teaching.

FURTHER INFORMATION

For further information and advice regarding the HSFY papers, contact the Health Sciences Admissions Office on health-science@otago.ac.nz or for specific advice, contact the Associate Dean for Student Affairs of the relevant school for advice.
Human Services Law

The minor in Human Services Law is available to be taken in conjunction with a major in the degrees of Arts, Performing Arts, Science, Applied Science, or Commerce. The papers focus on areas of the law such as Family Law, Criminal Justice, Law and Psychiatry, Sentencing, and the Treaty of Waitangi.

To fulfil the requirements for a minor in Human Services Law you must complete the first year paper, LAWS 101 The Legal System, along with 60 points made up from a list of five 300- and 400-level papers. Admission to any of these papers is subject to approval from the Dean of Law.

Immunology

Biomolecular PROGRAMME

An Infection and Immunity module within the Biomedical Sciences degree programme (BBlmSc(Hons)) is available. This degree structure is essentially similar to the BSc programme, but has a broader biomedical base at 100-level with 200- and 300-level papers being orientated towards medical microbiology and immunology. Two Microbiology papers are required at 300-level: Health Microbiology (MICR 332) and Advanced Immunology (MICR 334).

POSTGRADUATE PROGRAMMES

Immunology postgraduate programmes (PGDipSc, BBlmSc(Hons), BSc(Hons), MSc, PhD) are available. Current research interests of the department include the fundamental biology of white blood cells, infectious diseases, cancer and vaccine development for humans, as well as livestock.

Indigenous Development

He Kura Matanui

Indigenous Studies is an area of increasing national and international interest, both amongst students and potential employers, where Māori and indigenous development issues are of increasing importance.

A BA major and BA(Hons) in He Kura Matanui/Indigenous Development aims to provide students with a strong grounding in core indigenous cultural values, concepts, issues and practices, using Māori and other indigenous examples and readings, including the Pacific.

Students will include elective papers from other disciplines relevant to the focus of the programme on contemporary cultural, social, intellectual and economic development of indigenous peoples in an international context.

MAJOR SUBJECT REQUIREMENTS

100-level: MAOR 102, PA3 101 and MAOR 110

200-level: MAOR 202, PA3 201; and any two of ANTH 204-206, 208, ARTH 204, GEOG 278, HIST 204, MAOR 232, MANT 208, PAS 202, PSY 202, PSY 302, PSY 303, 304.

300-level: NDVY 322; and any three of ANTH 324, ARCH 302, ECON 303, ENGL 303, GEOG 303, HIST 303, MAOR 341, MAOR 323, 324, 325; PSY 302, PSY 303, PSY 304, 305.

There is also the option of selecting Indigenous Development as a minor.

Information Science

Information Science sits at the intersection of technology, people and organisations. It is an exciting and rapidly changing field that solves problems through using computing technology to help people and organisations work more effectively. An understanding of Information Science is important in order to succeed in business, and in order to develop effective innovative technology solutions creating the latest gadget is pointless if we can’t also understand how it will be used by people and organisations to meet their needs.

Information Science can be taken as a major for a Bachelor of Commerce (BCom), Bachelor of Science (BSc), or Bachelor of Arts (BA), and is a useful complement to papers from each of these disciplines.

100-LEVEL PAPERS

If you intend to major in Information Science, you must initiate your study by taking COMP 121 and COMP 160.

COMP 101 Foundations of Information Systems

An introduction to information systems for the management and exploitation of data and information, and to relational databases.

COMP 160 General Programming

Introduces programming.

200-LEVEL AND BEYOND

At 200-level, Information Science focuses on the techniques used to design, develop and deploy software systems, and the role these systems play in creating successful business opportunities. By the end of 200-level Information Science, you will have the necessary skills to create information systems. At 300-level, the skills learnt at 200-level are augmented with advanced concepts including decision support, user experience and large-scale systems. You will also hone your skills in INFO 312, where you will develop an information system for clients in industry.
Japanese Studies

Japanese is the world’s third largest economy and one of New Zealand’s largest trading partners. The University of Otago has research links and student and staff exchange agreements with a number of leading Japanese universities, such as Tokyo, Yokohama National, Keio, Hiroshima and Osaka. Japanese Studies at Otago aims to provide students with a high level of expertise in both Japanese language and culture.

CAREER OPPORTUNITIES

Because of the important trade, tourist and cultural links between Japan and New Zealand, graduates with expertise in Japanese language and culture are in high demand by employers in a wide variety of fields, including business, law, government, tourism, journalism, advertising and education.

100-LEVEL PAPERS

If you intend to major in International Business, you must complete the BCom core BINS papers, usually in your first year, as well as approved language or cultural papers (see the Business and Commerce entries for further details).

Note: Depending on your language experience, there is a range of language and/or culture papers available to complement your International Business degree. Visit the International Business website (www.otago.ac.nz/internationalbusiness) for more details.

200-LEVEL AND BEYOND

Students at 200- and 300-level take papers in a range of subjects such as Economics, Finance, Management and Marketing, further language courses, including papers in cultural studies related to the language taken, and a business language paper. Students are also encouraged to make the most of opportunities to broaden their horizons through a global exchange with one of the University’s 90 partner institutions. These exchanges are a chance to put your language and culture skills to use while studying business papers from a new perspective.

Land Planning and Development

Land planning, land administration and the processes of land subdivision have significant impacts on the layout and function of human and natural landscapes. These activities influence the way the land is used, patterns of residential development and assessments of the economic potential of land. For some, land also has an important cultural value.

This degree provides an excellent foundation for those wanting a career in planning and resource management, especially in relation to the subdivision and administration of land. It differs from other New Zealand planning degrees in that it emphasizes engineering design and land administration, from Pākehā and Māori perspectives, as well as covering essential aspects of New Zealand legislation that relate to land development. It encompasses the practical aspects of planning and planning law.

CAREER OPPORTUNITIES

This is a foundation degree for a career in aspects of surveying that relate to land development. This can lead to work in local government and in surveying and other land development companies.

Note: While this degree is a stepping-stone to a career in law, it is not a sufficient qualification to become a solicitor or barrister in New Zealand. Further study and professional training are required.

200-LEVEL AND BEYOND

300-level deals with statutory planning and offers experience in designing residential subdivisions in concept and detailed layout phases. Students can add papers from other degree programmes (such as Geography, Economics or Surveying) to complement their programme of study.

Language and Linguistics

See Linguistics.

Languages


Otago also offers both a Diploma in Language and a Diploma in Language and Culture. These Diplomas can be completed alongside your Arts, Commerce or Science degree, all within three years. The Diploma is seven papers, two of which you can cross credit to your degree. The language papers offered for these diplomas are Chinese, French, German, Japanese or Spanish.

Latin

Latin papers offer linguistic training and the experience of reading major works of Latin literature in the original language. (For Classical Studies courses taught in English translation, see Classics.) Latin offers a wide variety of occupational experiences. Students can pursue Latin to continue in postgraduate work in Classics.

100-LEVEL PAPERS

If you wish to complete the BSc in Land Planning and Development, you must take the following papers.

200-LEVEL AND BEYOND

200-level papers develop intermediate speaking, reading, writing and listening skills. Culture papers are in English (no knowledge of Japanese required).
Management

Matt Lowe came to Otago intending to study physiotherapy, but ended up with a Bachelor of Science in physiology, a Bachelor of Commerce and Master of Business in management, and a graduate position with a national company.

His advice for new students: “Be open minded and flexible.”

Matt chose Otago over his hometown of Auckland to gain independence and learn life skills. During his Health Sciences First Year he realised that while he enjoyed the science of physiology, he didn’t want to be a physiotherapist.

Unsure of what to do, he tried a couple of management papers, which sparked his interest. “Commerce seemed to offer opportunities to go wherever I wanted so I applied to change courses and the University made it easy for me.”

Matt helped himself gather life and employment experience – and boost his CV – with several volunteering jobs. He also tutored and worked part-time to help pay the bills.

Good grades gained him the National Institute of Management’s Horace Tilly Memorial Prize for academic achievement, and then a scholarship for his masters.

He also competed in business case competitions for Otago, being part of a team winning a national event in Auckland and competing for his master’s Tilly Memorial Prize for academic achievement, and then a scholarship anywhere with it.”

The beauties of a commerce degree – it’s so versatile that you can go wherever you want so I applied to change courses and the University made it easy for me.”

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The beauties of a commerce degree – it’s so versatile that you can go anywhere with it.”

If you intend to complete a four-year Bachelor of Laws (LLB) degree, you must take LAWS 101 (The Legal System) and 72 – 108 additional points at 100-level. For the additional 72 – 108 points at 100-level, no specific papers are required or recommended, but you are advised to include papers from your area of second preference in case you do not gain admission to second-year Law and then wish to go on in another degree. If you wish to do a double degree programme, you should choose the subjects of your intended second degree.

Note: You will need 72 non-Law points to be eligible for admission to second-year Law and a total of 118 before you graduate with an LLB.

LAWS 101 – The Legal System

A full-year 16-point paper with two examinations at the end of the year. Develops basic skills of legal analysis and legal argument through the study of selected court decisions and legislation. Opens broader perspectives by considering the way cases come to court and the role of law in its historical and social context.

Admission to LAWS 101 is unrestricted, but admission to second-year Law is restricted to 200 places. Students are selected on the strength of their academic record at university, with emphasis on the mark for The Legal System. Under the Alternative Entry category, students who are of Māori ethnicity may apply to have this taken into consideration along with their academic record.

LAWS 102 – Introduction to Law and New Technologies

This paper will introduce students from any discipline to legal issues arising from new technologies continuing to evolve and challenge conventional legal principles. We consider whether we need to regulate new technologies and, if so, how to do so. We will introduce you to tricky legal questions about designer babies, the “warrior gene”, teaching machines, genetically modified cows and cyber bullying.

LAWS 102 is not a requirement for the LLB degree, however Law students can count the points towards their non-Law paper requirements. It is listed in the Schedule of Arts and Music papers. It can therefore be credited as an Arts paper for a BA degree or for any other degree that permits an Arts paper to count as part of the degree requirements, such as a non-Science paper for a BSc degree.

LAWS 102 is not a requirement for the LLB degree, however Law students can count the points towards their non-Law paper requirements. It is listed in the Schedule of Arts and Music papers. It can therefore be credited as an Arts paper for a BA degree or for any other degree that permits an Arts paper to count as part of the degree requirements, such as a non-Science paper for a BSc degree.

100-LEVEL PAPERS

200-LEVEL AND BEYOND

The second-year course consists of four compulsory fundamental papers: Criminal Law, Law of Contract, Property Law and Public Law. At 300- and 400-levels there are three compulsory papers: The Law of Torts, Jurisprudence, and Legal Ethics and Professional Responsibility. To complete the degree, you need optional full-year or single- semester papers worth the equivalent of six- and-a-half full-year papers (195 points) which you choose from a list of about 40 papers. You may also choose from a list of about 24 papers. You may another programme of research and writing and a short programme developing the skills of oral advocacy.

HONOURS

Law students of higher ability are offered opportunities to enrol for the LLB (Honors) degree, which involves supervised research in addition to the work required for the ordinary LLB degree.

DOUBLE DEGREES

By cross crediting papers, a combination of two degrees, such as a four-year LLB and a three- year BSc, BA or BCom can be gained after five years of study. Two four-year degrees, such as LLB and BPhEd, will generally take six years.

ADMISSION TO THE LEGAL PROFESSION

Law graduates seeking admission as a barrister and solicitor must take a 13-week Professional Legal Studies course in Dunedin, Christchurch, Wellington, Hamilton or Auckland (some of which can be done online).
Any four 300-level papers

LING 214 Syntax, LING 215 Phonology and any three other LING 300-level papers

Maori Studies – Te Turu

Te wāti mē hū o kē kē i o kē i, ni ngā tīhi ahuatanga o tē wāki

Maori Studies is an academic programme focused on te ao Māori (the Māori world).

Subjects offered include the Māori language, customary law, history, performing arts, education, politics, research methodology, Ngāi Tahu studies, Te Tiriti o Waitangi (The Treaty of Waitangi) and Māori epistemology.

The immersion in Māori language programme consists of courses from 100- to 400-level, and provides a strong foundation for a deeper appreciation of the multidisciplinary subjects listed above.

MAJOR IN MANAGEMENT

If you intend to major in Management, you must complete the following papers and also complete the other BCom core BSNs papers (see the Business and Commerce entries for details):

100-LEVEL PAPER

MANT 101 Managing for Performance

200-LEVEL PAPERS

MANT 200 Managing People

MANT 251 Managing Organisations

Marine Science

Marine Science is available as a minor in any undergraduate degree from Commerce, Humanities or Sciences. Students who are keen on marine biology should look at majoring in Ecology with a minor in Marine Science.

CAREER OPPORTUNITIES

Opportunities include research, coastal resource management, marine conservation, fisheries and aquaculture.

Our recent graduates work for government agencies (e.g. Ministry for Primary Industries, Department of Conservation), Crown Research Institutes (e.g. National Institute of Water and Atmospheric Research, Institute of Geological and Nuclear Sciences), regional councils and in the private sector.

MAJOR IN MARKETING

To major in Marketing (BCom), you must successfully complete the following papers (and also meet the BCom degree requirements including the completion of all BCom core BSNs papers – see the Business and Commerce entries for details):

100-LEVEL

BUS 112 Interpreting Business Data

MART 112 Marketing Management

200-LEVEL

MART 212 Understanding Markets and two of

MART 201 Integrated Marketing Communications

MART 210 Consumer Behaviour

MART 211 Products to Markets

300-LEVEL

MART 301 Strategic Marketing

and any three other 300-level Marketing papers

Marketing looks at the world from the point of view of companies and consumers. Therefore, it’s important to understand how companies can work to satisfy consumer needs and wants, in a world full of an ever-increasing variety of goods and services. At the same time, Marketing needs to recognise that consumption contributes to the depletion of our resources and an increase in social inequalities. It’s role, therefore, is to help consumers and producers work together for the common good of society.

CAREER OPPORTUNITIES

Who uses Marketing? Everyone does. Marketing influences just about every industry and organisation you can think of, including at least 18 points above 200-level, including at least 18 points above 200-level.

200-LEVEL AND BEYOND

200-level papers provide greater depth in Māori language, society, history, culture, performing arts, politics, education, Te Tiriti o Waitangi and the Pacific Islands.

300-level papers provide greater focus in particular areas, such as Māori research methodology, epistemology, pedagogy, Waitangi Tribunal, Pacific history and society, and Ngāi Tahu Studies.

400-level papers are offered as part of postgraduate diploma and honours programmes.

Marine Science

Marine Science is available as a minor in any undergraduate degree from Commerce, Humanities or Sciences. Students who are keen on marine biology should look at majoring in Ecology with a minor in Marine Science.

CAREER OPPORTUNITIES

Opportunities include research, coastal resource management, marine conservation, fisheries and aquaculture.

Our recent graduates work for government agencies (e.g. Ministry for Primary Industries, Department of Conservation), Crown Research Institutes (e.g. National Institute of Water and Atmospheric Research, Institute of Geological and Nuclear Sciences), regional councils and in the private sector.

MAJOR 108 Waiata Te Timatanga

Introduces various forms of waiata (Māori performing art), including haka from traditional to contemporary times.

MAJOR 110 Introduction to Convivial Māori

Introduces Māori language, emphasising pronunciation, greetings and forms of language in cultural contexts.

MAJOR 111 Te Kākano 1

A post-introductory paper in Māori language that is taught mainly in Māori. Some previous knowledge of Māori language is essential.

MAJOR 112 Te Kākano 2

Development of the skills taught in MAOR 111. Taught in Māori.

MAOR STUDIES MINOR

Te Turu, the School of Māori, Pacific and Indigenous Studies, offers a minor subject for a BA.

100-level: at least 90 points of MAOR or PACI papers, at least 54 of which must be above 100-level, including at least 18 points above 200-level.

200-LEVEL AND BEYOND

200-level papers provide greater depth in Māori language, society, history, culture, performing arts, politics, education, Te Tiriti o Waitangi and the Pacific Islands.

300-level papers provide greater focus in particular areas, such as Māori research methodology, epistemology, pedagogy, Waitangi Tribunal, Pacific history and society, and Ngāi Tahu Studies.

400-level papers are offered as part of postgraduate diploma and honours programmes.

Marketing Management

Marketing looks at the world from the point of view of companies and consumers. Therefore, it’s important to understand how companies can work to satisfy consumer needs and wants, in a world full of an ever-increasing variety of goods and services. At the same time, Marketing needs to recognise that consumption contributes to the depletion of our resources and an increase in social inequalities. It’s role, therefore, is to help consumers and producers work together for the common good of society.

CAREER OPPORTUNITIES

Who uses Marketing? Everyone does. Marketing influences just about every industry and organisation you can think of, including at least 18 points above 200-level, including at least 18 points above 200-level.

200-LEVEL PAPER

The 100-level paper in Marine Science is MAOR 112 Global Marine Systems. Students may also be interested in EADS 111 Earth and Ocean Science, taught jointly by the departments of Marine Science and Geology.

200-LEVEL AND BEYOND

At 200- and 300-level Marine Science offers a wide range of papers in Marine Science (MARI), Aquaculture and Fisheries (AQUIF) and Oceanography (OCEAN). Other departments offer Marine Science-related papers (e.g. GEOL 263 Fossils, Strata and Hydrocarbon Basins; GEOL 373 Sedimentary Processes and Materials; ZOOL 211 Animal Designs for Living). A multidisciplinary degree such as this provides a foundation for postgraduate study in Marine Science.

Marine Science postgraduate courses are open to students with a Bachelor of Science in related disciplines such as Zoology, Botany, Microbiology, Chemistry, Physics, Mathematics and Geology. Some training in Mathematics and Statistics is required.
Mathematics

Otago’s Mathematics and Statistics has New Zealand’s top-ranked research group in pure and applied mathematics. We have active and ongoing collaborations with researchers in the medical school and across the Division of Sciences. We also maintain strong links with local and national industry.

The Mathematics undergraduate teaching programme serves two distinct purposes. First, we provide expert training in calculus, modelling, algebra and higher mathematics. These tools are essential for anyone working in science, economics, engineering, science and medicine, especially at the higher levels.

The department works closely with staff from a range of disciplines to ensure material is relevant and appropriately presented.

Second, Otago offers comprehensive BSc, BA and Honours degrees in Mathematics.

Mathematics students will not only become skilled in using the tools of mathematics, they will learn about the internal structure and beauty of mathematics and the kinds of reasoning required to understand these tools. Mathematics graduates develop strong analytical skills that make them sought after by employees. Recent graduates of the department have gone on to top positions in government and business sectors.

The core 100-level papers form a sequence: MATH 151, MATH 160, MATH 170. These students who have passed multiple NCEA calculus or statistics standards should consider enrolling directly into MATH 140 while those with very good grades may consider enrolling directly into MATH 170. We have developed a number of tools and (anonymous) placement tests to help you decide which of 151, 140 or 170 is best for you. see maths.otago.ac.nz/pushmatch for details.

Exceptional students may gain direct entry into second year, subject to approval by the head of department. Anyone in doubt about which course to take is welcome to come and talk with an adviser.

Mathematics majors are required to take 18 points of Statistics, usually STAT 110, STAT 115 or STAT 261. See the Statistics section for details.

For more information on 100-level papers contact either Dr Mihály Kovács or the Mathematics and Statistics office.

100 LEVEL PAPERS

The core 100-level papers form a sequence:

MATH 151 General Mathematics

This paper covers topics such as basic mathematical models, operations research, introductory calculus, exponentials and logarithms, compound interest, exponential growth and decay, and simple integration. It provides excellent preparation for students wishing to take MATH 160.

MATH 160 Mathematics 1

This paper develops and extends material introduced in MATH 151. The paper is divided into algebra and calculus (which can be taken as separate 9-point papers). The algebra component introduces vectors and geometric constructions fundamental to applications in mechanics and computer graphics. Matrices, polynomials and complex numbers are introduced. The calculus component covers ideas and methods of differentiation and integration together with key applications and extensions.

MATH 170 Mathematics 2

This paper builds on MATH 160 and provides essential preparation for 200-level mathematics. The paper is divided into algebra and calculus components (which can be taken as separate 9-point papers). The algebra component expands on the material on matrices and vectors discussed in MATH 160. This is followed by a section on discrete mathematics and counting techniques. The calculus component covers sequences and series, special functions, advanced integration techniques and finishes with an introduction to differential equations and their applications.

Medical Laboratory Science

For details of the Health Sciences First Year (HSFY) course for Medical Laboratory Science, see pages 78.

The four-year BMLSc degree qualifies graduates as medical laboratory scientists. Graduates may become Registered Scientists for diagnostic laboratory-based employment, or enter into research and postgraduate study (e.g., Master of Medical Laboratory Science (MMLSc) and PhD).

Career Opportunities

Most graduates start working in a diagnostic pathology laboratory and achieve full registration by the Medical Sciences Council after six months’ full-time work. Thereafter, opportunities exist in diagnostic laboratories, particularly in New Zealand, Australia and the UK. The degree is accredited by Australian authorities and UK registration is also possible.

Admission

Admission to second-year classes in Medical Laboratory Science requires students to pass all HSFY papers with a B- (65%) grade point average (GPA) or better.

Competitive entry to second-year classes normally follows the HSFY course.

Students with two years’ relevant study, or graduates with relevant papers in their degree, may also apply for entry to the second year.

All applications for admission must be made by 15 September of the preceding year. Late applications may be considered subject to availability. For a copy of the application form contact Health Sciences Admissions Office Division of Health Sciences University of Otago PO Box 56 Dunedin 9054

200 LEVEL AND BEYOND

Degree subjects after admission are: Anatomy, Biochemistry, Microbiology, Physiology, Immunology, Diagnostic Pathology, Principles of Pathology, and Clinical Pathology including Diagnostic Chemical Pathology, Medical Microbiology, Histotechnology, Cytopathology, Haematology, and Transfusion Science.

In fourth year, students specialise in two of the following: Chemical Pathology, Clinical Microbiology, Clinical Virology, Diagnostic Molecular Pathology, Cytopathology, Haematology, Histopathology, Transfusion Science and Clinical Immunology. They study under supervision in an approved diagnostic pathology laboratory.

Microbiology and Immunology

“I’VE TRIED TO TAKE THE BEST IDEAS FROM MY MENTORS AND HELP STUDENTS TO LEARN NOT ONLY THE SCIENCE BUT HOW TO BE SCIENTISTS IN THE REAL WORLD.”

Dr Ros Kemp’s teaching skills have been recognised with several national awards, but the one that gives her the most satisfaction is being declared OUSA Supervisor of the Year in 2013.

“That award was nominated by students and judged by students, so it means a lot to me,” she says.

In her own student days, Ros studied physics and then zoology before being so inspired by immunology lecturer Assistant Professor Glenn Buchan that she changed her degree course to his subject.

After honours, a PhD and post-doctoral fellowships at prestigious institutions in the USA and the UK, she returned to Otago, where she now teaches immunology and researches immune responses to cancer, with the long-term aim of being able to offer patients better diagnoses, prognoses and treatment.

She feels she learned far more than science from her revered former professor.

“His real talent for creating an immunology community, and an amazing ability to inspire students. If the awards suggest I’m continuing his legacy, I’d be happy to be considered at least trying to follow in his footsteps.

“I’ve tried to take the best ideas from my mentors and help students to learn not only the science but how to be scientists in the real world. It’s a lot more complicated than just knowing the facts.”

Ros has seen undergraduate teaching change from formal to the more casual and relaxed interaction that now exists between students and staff.

“There’s still a way to go. I’m trying to facilitate the shift from teaching just learning to teaching understanding.”

She believes Otago’s flexible degree courses attract interesting students who like to try different subjects to find the ones they want to focus on.

Ros approves. “You’ll always do the best with things you like doing.”

For more information and application details, visit the Department of Pathology website.
Prepared to relocate over the period of study

As far as possible, students are placed according to the foundation biomedical sciences, the normal and abnormal function of body systems, and are introduced to practical aspects of clinical medicine including learning of clinical skills.

Individual development, social influences on health and illness and the role of the doctor are also covered.

These 200- and 300-level years include Body Systems modules including Musculoskeletal System, Cardiovascular System, Respiratory System, Metabolism and Nutrition, Gastrointestinal, Renal, Nervous System, Behavioural Medicine, Endocrine, Reproduction Development and Aging, and Regional and Clinical Anatomy.

Vertical Modules include: Blood, Genetics, Infection and Immunity, Cancer, Pathology, Pharmacology, Psychological Medicine, Professional Development, Bioethics, Evidence-Based Practice, Hauora Māori and Public Health, Palliative Medicine and End of Life Care. Integrated Programme modules include Clinical Case-Based Learning, Clinical Skills and Healthcare in the Community. In both years, student progress is assessed within each of the above learning modules, as well as by formal written, clinical and practical examinations at the end of each year.

The Advanced programme in Medicine (fourth, fifth and sixth years) is completed at one of the University of Otago Medical School campuses in Dunedin, Christchurch or Wellington. There are also some placements in the regions. The focus of these years is on learning and training in hospital wards, in general practices and other community settings.

As far as possible, students are placed according to their campus of choice, but occasionally it is necessary to direct students in order to balance the number of students in particular fields (up to a year) in regions. Students need to be prepared to relocate over the period of study in the programme. All campuses are part of the University of Otago Medical School and accordingly the courses are similar and share common exit assessments at the end of each year.

The fourth year is divided among clinical work in the community and on wards and lectures, tutorials and clinical presentations in which common human illnesses are systematically studied.

In the fifth year, most of the time is spent on wards or in the community interviewing and examining patients and in clinical problem-solving. There are also projects in population health.

The sixth year is called the clinical interyear because it is an apprenticeship-type course in preparation for the intern (house surgeon) years that follow. Students attached to clinical units carry out duties as members of a hospital team or a community-based health-care team. Students are assessed by supervising clinicians throughout the year and must not be required to sit any formal end-of-year examinations. Successful students graduate with a MB ChB degree in December.

MEDICINE

RURAL MEDICAL IMMERSION PROGRAMME

Twenty students are selected to undertake their fifth year in a rural immersion programme. They are based in a rural district such as Southland, Clutha, Westland, Marlborough, Tararua and Wairarapa. Students who apply for admission to medicine through the Rural Origins sub-category may be required to participate in this rural immersion programme.

RESEARCH

The Otago Medical School strongly encourages research interests for students studying medicine. Students with a special interest and a sound academic record may interpret the course for one year at the end of the third or fifth year, to follow a research topic and graduate with a BMedSc(Hons) degree then resume studies for the MB ChB. In some cases students may be permitted to upgrade to PhD studies and complete both the MB ChB and PhD degrees as an integrated programme.

AGRICULTURE

MB ChB graduates must complete the pre-registration requirements for the intern year, working in an approved hospital before the Medical Council of New Zealand grants full registration. There are limited, if any, places available for international students who wish to spend their intern year away from New Zealand.Normally, MB ChB graduates are expected to undertake their internship in New Zealand. Students must complete the normal internship requirements in their home country.

CAREER OPPORTUNITIES

Graduates work in many kinds of clinical specialties, public health or in research, in teaching and in administration.

If you enter clinical practice (as most medical graduates do), society has expectations of you. One is that you treat patients, kindness and humanity; and further, that your ethical behaviour and rapport with your patients is such as to enable them to put their trust in you with the problems of their minds as well as their bodies.

ADMISSION

There are three categories of admission, the HSFY programme, the Graduate category and the Alternative category. Admission to medicine is competitive and places are limited to 280 students, of which 50 places are reserved for students wishing to apply under the Rural Origins sub-category. There are a limited number of additional places for international students, primarily by contract with overseas governments. Private international students also please enquire to the International Office.

Most medical students (approximately 70 per cent) will gain admission to second-year medicine through the HSFY category of admission.

Applications through the HSFY and Graduate categories of admission, must be submitted by 5 September in the year preceding that to which admission is sought and by 1 May of the preceding year for the Alternative category.

Intending medical students are advised to read the appropriate admission regulations, which are available in the University Calendar.

All second-year medicine applicants will be required to declare any health conditions or impairments, in case they seriously affect their performance.

Students wishing to apply under these sub-categories are required to provide an endorsed Whakapapa or Island of heritage/orient form along with a supporting statement.

CAREER OPPORTUNITIES

Admission to the HSFY programme is open entry. Applicants seeking admission to Medicine from the HSFY programme are required to pass all papers in HSFY with a mark of 70 per cent (B) or better and have a current UMAT (Undergraduate Medicine and Health Sciences Admission Test).

GRADUATE CATEGORY OF ADMISSION

Graduates who have completed their first degree at a New Zealand university within the past three years and have a current UMAT may apply for entry under this category.

Contact the Health Sciences Admissions Office for information (see page 78).

ALTERNATIVE CATEGORY OF ADMISSION

Allied health professionals, those with mental health professional experience and mature graduates (NZ degrees completed more than three years ago or degrees from overseas universities) may apply under this category. Contact the Health Sciences Admissions Office for information.

SUB CATEGORIES

Rural

Students who have a rural New Zealand upbringing and/or education may apply under the Rural Origins subcategory through HSFY, Graduate Entry or Other categories.

Minor and Pacific Islanders

Students wishing to apply under these sub-categories are required to provide an endorsed Whakapapa or Island of heritage/orient form along with a supporting statement.

Microbiology

Also see Immunology. See profile on page 28.

Microbiology involves the study of microscopic organisms (bacteria, viruses, fungi and protozoa). Microbes comprise more than 50 per cent of life on earth and date to only a small per cent of all predicted microbial groups have been studied. They are helpful, harmful, beneficial to human life and to various diseases; less well known is the essential role they play in the functioning of the complex biochemical and gechnical networks that sustain life on Earth. Ongoing technological advances are revealing the vast reservoir of untapped knowledge of the microbial world, shaping huge new segments of technology in the 21st century. New developments are also advancing knowledge of microbiology in relation to disease, immunity and vaccines, biotechnology and agriculture and are helping to elucidate fundamental biological processes.

Molecular Bioscience Programmes

Molecular Biotechnology

Molecular Biotechnology represents one of the most exciting and dynamic fields of science for the development of new products and systems in the new millennium. There is a worldwide demand for well-trained biotechnologists and graduates who have a sound scientific grounding in molecular biology, biochemistry, genetics, cell biology or microbiology. Molecular Biotechnology links the biological sciences with emerging technologies to provide the basis for discovery and innovation of new products and services. The demands for graduates in Biotechnology are increasing to match the rapid scientific advances and new developments taking place in biotechnology, genomics and recombinant DNA technologies, which are underpinning the current growth in Biotechnology.

If you are interested in a career in molecular and biotechnological science, contact the programme director, Professor Julian Eaton-Rye (julian.eaton-rye@otago.ac.nz).

If you intend to major in Molecular Biotechnology in the BAppSc degree, you must take the following 100-level papers.

 Papers worth at least 120 points including:

BIOC 102 Foundations of Biotechnology

CHEM 101 Cell and Molecular Biology

CHEM 101 The Chemical Basis of Biology and Human Health

HUBS 191 Human Body Systems 1

200 LEVEL AND BEYOND

Papers in Biochemistry, Genetics and Molecular and Cellular Biology courses are available for international students who wish to undertake these papers for the three-year Biotechnology programme. Advanced course topics in the third and fourth years provide the opportunity to specialise in specific areas according to your personal interests.

As part of your degree you will specialise with a minor in a subject of your choice from an approved list of options.
Music

The Department of Music offers courses in a range of disciplines, including Western classical music and contemporary popular music. Students can take a three-year BA or a more specialised MusB degree, or a four-year MusB (Hons) degree, in the following broad areas: musical scholarship, classical performance, contemporary rock performance, composition and songwriting, music technology, recording and production, industry studies, world music, and popular music. The MusB structure enables students to have a named major in one or two of the areas listed below within their MusB degree.

The fine MusB majors and their areas of study are:

- MusB Major in Classical Performance
- MusB Major in Composition
- MusB Major in Contemporary Music Performance
- MusB Major in Music Studies
- MusB Major in Recording and Production

All MusB degrees shall include the following required papers:

MUSI 101, 201 and two of 102, 103, 104

The Department offers minors for most other degrees but not the MusB. These are in Classical Music, Ethnomusicology, Popular Music, Music Industry, Music Technology, and Music. Students wishing to take performance papers need to apply to the Music Department who will organise an audition.

Many papers are available as part of a BA.

CAREER OPPORTUNITIES

Grades may become performers, teachers or composers. Some work in the media or the music industry. These are just a few of the many possibilities.

100-LEVEL PAPERS

MUSI 101 Materials of Music 1

A foundation for study in all areas of music, dealing with its basic building materials, including keys and harmony, musical form, rhythm and the analysis of music.

MUSI 102 Music in Western Culture

An exploration of aspects of Western classical music in its cultural context, from the Middle Ages to the present day.

MUSI 103 Music in Popular Culture

A consideration of the significance of the many forms of popular music, and an investigation of theories of popular culture as they relate to music.

MUSI 104 Music in World Cultures

An exploration of the world’s traditional, popular and contemporary music in its cultural context, including music from Africa, South America, Asia, Australasia, North America and Europe.

MUSI 110 Musicanship Skills 1

A paper providing general musicianship, including elementary guitar, keyboard, world music instruments and listening skills.

MUSI 121 Composition 1

A paper which leads towards the production of a number of notated compositions, including works for voices, instrumental ensembles and a project in film music.

MUSI 132 Music Technology 1

A practical introduction to musical technology, providing experience in computer sequencing and sampling.

MUSI 133 Sight and Sound

This Summer School paper explores the creative interfaces of multimedia applications of music and video software. The emphasis is on the creative process rather than mere software skills acquisition. The paper is taught by both Music and Film Studies staff and utilizes Apple Mac computers in the lab.

MUSI 135 Songwriting

A paper providing students with the fundamental skills necessary to write popular songs, including lyric writing, song structure and basic composition techniques.

MUSI 140 Performance Studies 1

An 18-point paper providing individual tuition in performance skills in Western classical music or contemporary music.

MUSI 140 Performance Studies in World Music Ensemble

An 18-point paper in which students learn to play traditional instruments in one of the department’s world music ensembles (Gamelan orchestra, Taiko drumming, Taonga Puoro). No prior musical experience is necessary.

MUSI 141 Performance 1 (entry by audition)

A 36-point paper developing technical and interpretive skills in the performance of Western classical music through individual tuition and workshops.

MUSI 146 Professional Practice 1A

An 18-point paper that focuses on techniques and repertoire that develops artistic diversity in a band context on your chosen instrument within a wide range of contemporary idioms (leads to MUSI 156 in second semester).

MUSI 184 More Trouble

An introduction to the business procedures used by managers, lawyers, agents, promoters and record companies.

MUSI 191 Introduction to Music

A beginner’s guide to the notation, rudiments and theory of music, including elementary analysis and harmony. If you have no theoretical knowledge of music, or your knowledge is a bit rusty, you should take this paper in your first semester.

If you are seeking entry into MUSI 140 Performance Studies, MUSI 141 Performance 1, or MUSI 146 Professional Practice 1A, contact the Secretary of the Music Department, preferably before mid-August, to arrange an application for audition (forms are available on the Department’s website). For entry into MUSI 140 and MUSI 141 (including World Music instruments), instrumental candidates have usually reached Grade 8 level. Candidates in voice are not expected to have passed grade examinations, but are required to show potential as singers. Candidates for MUSI 146 should have some experience as performers.

200-LEVEL AND BEYOND

There are papers in Western classical music performance, composition, musical history, musicology (the scholarly study of Western classical music) and ethnomusicology (the scholarly study of world music), as well as in popular music studies, contemporary music performance, songwriting and music technology.

Fuller details of papers and activities appear on the website of the Department of Music, stage.ac.nz/music and its Facebook site (“University of Otago Music Department”). Please browse these sites regularly for updates. You are welcome to contact the Department staff with your questions.

Neuroscience

Neuroscience is the study of the nervous system, including the brain, spinal cord and the network of neurons that transmit signals around the body. You will study normal nervous systems as well as situations in which the nervous system does not work properly. Problems studied include mental illness, neurodegeneration (e.g. Alzheimer’s or Parkinson’s disease) and brain injury (such as from a stroke or a car accident).

Neuroscience is a subject in its own right, but you can also think of it as being made up of the “neuro” part of each of a wide range of other subjects, including Anatomy, Physiology, Psychology, Biochemistry, Genetics, Zoology, Chemistry, Computer Science and Pharmacology.

The University of Otago is the only New Zealand university that offers an undergraduate major in Neuroscience. There are also opportunities for keen postgraduate students to work with the many internationally-recognised Neuroscience researchers at Otago.

CAREER OPPORTUNITIES

A BSc majoring in Neuroscience prepares graduates to work as laboratory technicians, research assistants, research managers and policy analyst. It also provides a convenient first degree for those who later specialise in professional or applied fields such as medicine, pharmacy, physiotherapy, optometry, audiology and nursing. Some also enter the general scientific or business workforce, as employers value the generic skills acquired while studying science.

Students who complete a PhD in Neuroscience are sought after for research positions in academic or industrial settings, such as universities, research institutes and biotechnology companies.

100-LEVEL PAPERS

The required 100-level paper for Neuroscience is MARI 112 Global Marine Systems. Remaining papers can be taken from a wide range of options, with:

- CSNS 101 Computational Mathematics
- EKGS 111 Earth and Ocean Sciences
- MATH 170 Mathematics 2
- PHYL 105 Critical Thinking

200-LEVEL

At 200-level, OCEN 201 Physical Oceanography is required, with a broad range of options to take to make your degree up to where you want it to be.
Oral Health

The three-year Bachelor of Oral Health degree focuses on dental hygiene, dental therapy and oral health promotion. Clinical skills are developed over the three years, as well as opportunities to advance health promotion skills, particularly in relation to oral health. A graduate in Oral Health may be registered in New Zealand and Australia, as either a dental hygienist, dental therapist or both.

CAREER OPPORTUNITIES

Employment opportunities for Oral Health graduates include working in private dental practices, orthodontic practices, community-based clinics, in institutions and hospital dental clinics. Postgraduate study and research opportunities include Master of Oral Health, Master of Health Sciences, Master of Public Health and PhD degrees.

ADMISSION

Entry is competitive. To be admitted to the programme applicants must be eligible to attend university and should have attained a satisfactory standard in NCEA Level 3 Biology and English or a recognised equivalent. Online applications can be made to the Health Sciences Admissions Office before mid-August and close on 15 September of the year preceding entry. Late applications may be considered.

100-LEVEL PAPERS

If you wish to study for the Bachelor of Oral Health, you must take the following 100-level papers.

100-LEVEL PAPERS

If you wish to be major in Pacifc Islands Studies for a BA, you must study:

See p. 103

PACI 101  Pacific Societies
PACI 102  Pacific Dance
PACI 110  Language and Cultures of the Pacific An Introduction
ANTH 103  Anthropology, Culture and Society
ANTH 105  Global and Local Cultures
HIST 207  Twentieth Century in the World
MAOR 102  Māori Society
MFCO 102  Understanding Contemporary Media

There is also the option of selecting Pacific Islands Studies as a minor.

200-LEVEL

PACI 201  or PACI 240; ARCH 204, and one from ANTH 205, ARCH 220, GEOG 278, HIST 208, MAOR 207, MFCO 212, MUSI 228, or approved Special Topic papers relevant to the Pacific Islands in ANTH, ARCH, ARTH, CTHH, GEOG, HIST, MAOR, POLS.

300-LEVEL

PACI 301  and any three from ANTH 316, GEOG 378, HIST 337, MAOR 307, MUSI 328, PACI 310, or approved Special Topic papers relevant to the Pacific Islands in ANTH, ARTH, CTHH, GEOG, HIST, MAOR, POLS.

400-LEVEL PAPERS

Students can continue their Pacifc Islands Studies at honours level, or undertake a postgraduate diploma.

400-LEVEL PAPERS

If you wish to major in Toxicology, you must study the following 100-level papers.

100-LEVEL PAPERS

If you wish to be major in Toxicology for a BA, you must study:

See p. 103

See profile on page 96.

PACI 101  Pacific Societies
PACI 102  Pacific Dance
PACI 110  Language and Cultures of the Pacific An Introduction
ANTH 103  Anthropology, Culture and Society
ANTH 105  Global and Local Cultures
HIST 207  Twentieth Century in the World
MAOR 102  Māori Society
MFCO 102  Understanding Contemporary Media

MAOR 102  Māori Society

An introduction to Māori culture and society in traditional and contemporary contexts.

MFCO 102  Understanding Contemporary Media

An introduction to the historical framework of media studies and contemporary discourses that define the discipline.

200-LEVEL AND BEYOND

PACI 201  Contemporary Pacific Islands: Politics, Land, Environment and Society

Examines contemporary social, political and economic issues affecting Pacific peoples living in the vast Oceania region known as the Pacific. Focuses on urbanisation, land, poverty, climate change and social issues.

300-LEVEL AND BEYOND

PACI 301  Gaia’s Tonga Pacific: Pacific Diaspora in New Zealand

Examines Pacific peoples’ interaction with Māori and Pākehā in New Zealand with regard to issues such as identity, culture, spirituality, education and contemporary music.

PACI 310  Pacific Bodies

Examines perception of body images within the Pacific.

PHSE 116  or PHSE 118

One of

Either one of

MUSI 146  Songwriting
MUSI 148  Professional Practice 1A (Audition required) or MUSI 156 is also required if you wish to continue study in this area into 2nd year.

PERB 102  Musical Theatre Voice 1A

MUSI 141  Performance 1A (classical – audition required) – note this is a double-weighted 100 level paper.

Note: Auditions are required for papers that involve singing and/or playing an instrument.

Bachelor of Performing Arts students will train and perform in a fully equipped theatre as well as music and dance studios and performance spaces.

CAREER OPPORTUNITIES

Graduates of the degree will be able to pursue careers in a wide range of performance forms and styles, as well as in performing arts-related education, media and other similar fields.

The performing arts programme enables the development of a range of skills. While the skills and knowledge gained will prove invaluable for those desiring a career in musical/theatrical forms and performing arts education, they are equally useful for many career paths.

Cultural knowledge and skills gained through creative practice and historical and theoretical study are valued, for example in journalism, advertising, marketing, law, medicine and many other occupations.

Students will develop many generic skills employers seek, including teamwork and leadership, effective oral and written communication, analysis, critical evaluation and problem-solving, organisational skills and time management.

100-LEVEL PAPERS

Students must take the following 100-level papers.

THEA 113  Voice and Movement
THEA 122  Drama on Stage and Screen
MUSI 101  Materials of Music 1
THEA 111  Improvisation

One of

PHSE 115  Fundamentals of Dance
PHSE 116  Elements of Dance

Other one of

MUSI 131  Composition 1 (Students must be able to read and write music)
MUSI 135  Songwriting
MUSI 146  Professional Practice 1A (Audition required) or MUSI 156 is also required if you wish to continue study in this area into 2nd year.

PERB 102  Musical Theatre Voice 1A

MUSI 141  Performance 1A (classical – audition required) – note this is a double-weighted 100 level paper.

Note: Auditions are required for papers that involve singing and/or playing an instrument.

200-LEVEL AND BEYOND

At 200-level students are required to take specific theatre and music papers, and are also offered a choice from a range of other music, theatre and dance papers.

300-level includes a performance project paper.

The degree is flexible enough to accommodate up to four papers from outside of the Arts area, in any subject of the student’s choice.

Pharmacology and Toxicology

See profile on page 95.

Pharmacology is the study of drugs and medicines. Pharmacologists study how drugs work, what they can be used for, and, possibly most importantly, they develop new ones. Researchers at Otago are developing new cancer therapies, cardiac medicines and neurological treatments. As a student you will be introduced to a wide variety of core pharmacological topics including drug action, drug delivery, drug metabolism and the processes of drug development.

Toxicology is the study of poisons. This can apply to humans, animals or the environment. Toxicologists aim to determine why things are toxic and how to prevent toxicity. Toxicology principles can also be applied to developing new medicines by developing compounds that are specifically toxic e.g. something that kills a cancer cell exclusively. Our general toxicology courses cover all aspects of toxicology (human, animal and environmental) and students can also elect to minor in environmental toxicology.

CAREER OPPORTUNITIES

Graduates in Pharmacology and Toxicology are employed in a variety of careers including management, research, publishing, biotechnology and regulatory affairs. Our graduates have pursued careers within government agencies (e.g. Medsafe, Health Research Council, PHARMAC), private companies (e.g. Serpelex Nutritional, Nycomed), universities and research organisations (e.g. Harvard University, University of Oxford).
Pharmacology
and Toxicology

“I FOUND DUNEDIN
REALLY QUIET, BUT
THEN I STARTED
LIKING THE CALMNESS.
I THINK I HAVE GOT
USED TO IT NOW, AND I
CAN WORK IN PEACE.”

Pharmacology

After completing undergraduate and master’s degrees in biotechnology in Mumbai, India, Neha N. Parayath applied to Otago to do a PhD in the Department of Pharmacology and Toxicology. She received an Otago doctoral scholarship and was waiting for visa formalities she worked as an assistant research fellow in a Mumbai lab specialising in developmental neuroscience. Neha thought she had prepared for Dunedin’s different culture, but her arrival coincided with a University break and there were even fewer people around than she expected.

“I found it really quiet, but then I started liking the calmness. I think I have got used to it now, and I can work in peace.”

She found the staff at Otago more accessible than academics in Mumbai, where they are overwhelmed by student numbers.

The project Neha had thought she might work on had already started when she arrived, but she was happy to begin another.

“If you are planning to do a PhD it is important to have an open mind and be willing to explore other things. You may come across something new and all the while you are gaining experience.”

Neha worked on developing oral anti-cancer nanodrugs designed to target specific tumours, particularly in colorectal cancers, which are common in New Zealand.

“Using nanof ormulations is like labelling the drugs with a postal address so that they reach the desired destination in the body.

“It started with in vitro work and then progressed to animal models. I found using mice challenging but really interesting because you see your science actually having an effect.”

Neha has submitted her thesis and is now applying for postdoctoral positions in the US, where there are more specialists in her field – “but I would love to come back to New Zealand if there is an opportunity to do so.”
Deals with questions of existence. Do we have souls as well as bodies? Does God exist? What is thought? Are we ever really free to choose our actions?

Philosophy, Politics and Economics

Bachelor of Arts (BA) in Philosophy, Politics and Economics

100 LEVEL

BSNS 113 Economic Principles and Policy

One 100-level PHIL paper (PHIL 102 Ethical Issues is recommended)

One 100-level POLS paper (POLS 102 New Zealand Politics is recommended)

One 100-level Principles of Economics 2 (recommended)

One 200-level PHIL paper

One 200-level POLS paper

Two further ECON, POLS or PHIL papers (not in the same discipline)

200 LEVEL

PHIL 201 Political Economy: 1 Method, Philosophy, Applications

ECON 201 Microeconomics

or

ECON 271 Intermediate Microeconomic Theory

One 200-level PHIL paper

One 200-level POLS paper

300 LEVEL

Six 300-level ECON, PHIL and POLS papers including at least two papers in two of the subjects and at least one paper in the third subject. Thus the pattern is 2:2:2 or 3:2:1, your choice as to which subject will be the 3, which will be the 2 and which the 1.

For intending PHPE students thinking of specialising in Economics, it is useful to have done one of the following papers: FINQ 102, MATH 146, MATH 170, or QSCN 102.

Bachelor of Arts with Honours (BA(Hons)) in Philosophy, Politics and Economics

One of ECON 490 Econometric Methods and Dissertation, ECON 492 Dissertation, PHIL 490 Dissertation, or POLS 490 Dissertation; plus three further 400-level ECON, PHIL, or POLS papers. No more than 100 points may be from any one of the component disciplines. This means, in effect, that even if you choose to specialise you must at least take one paper which is not from your preferred subject.

Career Opportunities

The PHPE major cultivates a set of logical, analytical and mathematical skills which are demanded by employers in a broad range of areas, including finance, business, government, politics, law and NGOs, both in New Zealand and in the wider world. Graduates of the programme include senior advisers in several ministries, diplomats, business consultants, journalists, lawyers, think tank members and CEOs.

Physical Activity and Health

One 100-level PHIL paper (PHIL 102 Ethical Issues is recommended)

One 100-level Principles of Economics 2

One 200-level PHIL paper

One 200-level POLS paper

Two further ECON, POLS or PHIL papers (not in the same discipline)

Physical Education

Otago’s Bachelor of Physical Education (BPhEd) is a programme that provides you with an opportunity to develop the skills and lifelong learning strategies underpinning all aspects of life and work in the sport, fitness, leisure and physical education fields. Dance Studies is available as a minor at undergraduate level for Arts graduation. The BPhEd is a four-year degree and you can complete it in conjunction with another degree such as Applied Science, Arts, Commerce, Law and Science, with only one year of extra study. The School of Physical Education, Sport and Exercise Sciences offers four majors:

• Exercise and Sports Science (see page 69 for more details)
• Physical Activity and Health (see above for more details)
• Professional Studies (see page 101 for more details)
• Sport and Leisure Studies (see page 107 for more details)

A review of these programmes is currently being undertaken and they are expected to change. Please see the School’s website for the most up to date information: physed.otago.ac.nz/

Career Opportunities

Graduates of the BPhEd have achieved technical, critical and problem-solving skills. These skills have enabled recent graduates to gain employment in: national and regional sports organisations and trusts; outdoor industries; city councils; primary and secondary school fitness instructors; Māori organisations; sports-related businesses; sport media; tertiary institutions; government departments (e.g. ACC, armed forces, police force and High Performance Sport New Zealand); community organisations (e.g. Age Concern, Green Prescription); dance schools; and the tertiary sector. See the Graduates career diagram for inspiration – physed.otago.ac.nz/careers/

Admission Process

The BPhEd is a four-year restricted entry degree. To enter the programme you must apply by 15 August the year before you plan to study at Otago. Under special circumstances late applications will be considered. Offers of places will initially be made in mid-October and may continue to be made as late as mid-February. Successful applicants will be required to satisfy University Entrance requirements and enrolment procedures.

There are main entry pathways into the BPhEd: i) as a school-leaver or ii) as someone who has had one or more years at university. If you do not fit these two pathways, because you have, for example, been in the workforce and/or travelled, we encourage you to contact the School to discuss your personal situation. (See physed.otago.ac.nz/courses/apply.html for information about applying for entry into the BPhEd.)

For school-leavers, no specific Year 12 or 13 subjects are required for admission. However, Biology and Physical Education are highly recommended.

100 AND 200-LEVEL PAPERS

If you gain admission into the BPhEd you must take the following papers in your first two years:

100-LEVEL

PHSE 101 Socio-cultural Foundations of Physical Education

PHSE 102 Biophysical Foundations of Human Movement

PHSE 103 Movement Education: Dance and Sports

PHIS 191 Human Body Systems 1

PHIS 192 Human Body Systems 2

and a further 36 points from any degree.
Your third year will continue to develop core ideas of physics including such as atomic physics, relativity, and cosmology. Electromagnetism must be taken by students as it forms part of the quantum mechanics and condensed matter physics. Two laboratory-based papers on experimental physics and computational physics are available, so you will have plenty of opportunity to gain hands-on experience in problem-solving. There is also scope for you to choose papers outside of Physics, enabling you to develop extra skills in a complementary area, such as Computer Science or Mathematics.

Physiology

Physiology is a branch of biology that deals with the functions and activities of living organisms. Physiology underlies all aspects of work and life – from sleeping and waking to talking and smelling. Physiology is focused on the biology within cells and organs, the interactions between cells and organs, as well as the effects that these interactions exert on the behaviour and health of the whole organism.

CAREER OPPORTUNITIES

Studying Physiology gives you the opportunity to develop the skills and lifelong learning strategies crucial for careers in science – such as in universities, research agencies or even in military or space agencies. Physiologists are also well placed to pursue additional training for biomedical-based careers such as in medicine, dentistry, pharmacy, optometry, audiology, or physiotherapy.

100-LEVEL PAPERS

If you intend to major in Physiology (BSc), you must take the following 100-level papers:

HUBS 101 Human Body Systems
and
HUBS 102 Human Body Systems 2
and at least two of
BIOC 102 Foundations of Biochemistry
CHEM 101 The Chemical Basis of Biology and Human Health
PHSI 101 Biological Physics

200-LEVEL AND BEYOND

Three 200-level Physiology papers (PHSI 231, 232, and 233) must be taken by students majoring in Physiology. These papers explore the coverage in these papers is also related to health and disease states.

At third year Physiology major students choose at least four papers from PHSI 341-345. These papers are designed to give students the opportunity to develop the skills and lifelong learning strategies crucial for careers in science – such as in universities, research agencies or even in military or space agencies. Physiologists are also well placed to pursue additional training for biomedical-based careers such as in medicine, dentistry, pharmacy, optometry, audiology, or physiotherapy.

Physiotherapy

Physiotherapy is a unique discipline with a focus on the interrelationships of health and disease. Physiotherapy involves the physical, emotional, and social well-being of individuals, families, and communities. Physiotherapists work in a variety of settings, including hospitals, clinics, and community agencies, to help people of all ages maintain or regain their mobility and function. Physiotherapy focuses on the prevention, assessment, and treatment of physical and physical dysfunction. Physiotherapists use a range of techniques, including exercise, manipulation, and manual therapy, to help people achieve their full potential and return to their highest level of function.

The University of Otago’s School of Physiotherapy has an excellent teaching environment. It is a purpose-built facility that includes spacious classrooms and state-of-the-art equipment for the delivery of an international standard of education. High-skilled physiotherapists also work in the School’s own clinical settings.

The Physiotherapy programme is designed to train students in the clinical and research skills needed to pursue careers in the field of physiotherapy. Students are exposed to a wide range of clinical and research settings, including hospitals, clinics, and community agencies. The programme includes coursework in clinical anatomy, physiology, and pathology, as well as in research methods and clinical reasoning. Students are also provided with opportunities to develop practical skills in a variety of clinical settings.

Physiotherapy papers are available at both 200- and 300-level, with at least two 300-level papers available, which are related to relevant health-related employment background who can show evidence of academic ability to an appropriate level.

Successful applicants in this category will be required to complete the HSFY or equivalent, before a place in the second-year class can be confirmed.

Note: There is a subjectgroup for both 100 and 200-level papers, with at least two of

BIOC 102 Foundations of Biochemistry
CHEM 101 The Chemical Basis of Biology and Human Health

Physiotherapy for Physiotherapy, see page 78.

A physiotherapist works with people of all ages to maintain and promote health, and to restore physical function, independence and well-being, while working in partnership with their patients and clients.

The main methods of managing patients include specific exercise prescription for mobility, strength, balance and health-related fitness; manual techniques, such as massage and manipulation; and application of other modalities including heat and electrotherapy as well as education of the condition and the best way the patient can maintain their own physical recovery.

The University of Otago’s School of Physiotherapy has an excellent teaching environment. It is a purpose-built facility that includes spacious classrooms and state-of-the-art equipment for the delivery of an international standard of education. High-skilled physiotherapists also work in the School’s own clinical settings. The programme includes coursework in clinical anatomy, physiology, and pathology, as well as in research methods and clinical reasoning. Students are also provided with opportunities to develop practical skills in a variety of clinical settings.

The four-year Physiotherapy programme is also able to draw on the strengths and expertise of staff at the Faculty of Medicine and other departments in Health Sciences and Science. The School is well equipped for its clinical teaching facilities based in Dunedin, Wellington and Christchurch.

CAREER OPPORTUNITIES

Top performing students in Year 3 may be invited to undertake an honours programme in Year 4. The final year involves supervised clinical practice and an individual research project. Graduate students complete the BPhy(Hons) and like the BPhy graduates are then eligible for registration.

Graduates are eligible to register with the Physiotherapy Board of New Zealand as soon as they are awarded their degree and must register in order to practise. The qualification is internationally recognised. Work environments include practice in acute hospitals, rehabilitation centres, private practice, occupational health, in schools with children with special needs, sports clubs, industry, with the elderly and in research.

ADMISSION

Entry to second-year classes is competitive based on admission levels set by the School of Physiotherapy Admissions Committee. Admission to the second-year classes of the four-year Bachelor of Physiotherapy (BPhy) requires students to pass all 100-level compulsory papers with a B- (65%) grade point average (GPA) or better, with no paper less than a C (55%) pass.

There is a "two year plan" category for applicants who have completed two or more years of university study towards a degree at Otago and have passed the HSFY papers.

Applications are considered from graduates who have completed a first degree, first honours degree followed by honours or first degree followed by a Postgraduate Diploma similar to an Honours degree. Students must meet the same requirements as those for a course of study normally within the minimum and within the past three years. Applicants are ranked on their best 100 points in each year of study as well as their own physical recovery.

The Master of Planning (MPlan) degree is a postgraduate interdisciplinary programme requiring two years of study. Planning professionals play a major role in the decision-making processes of government, local government and private enterprise. Planners help communities and decision-makers plan for the future, creating ways forward in relation to land use, resource use, transportation, housing, economic development, the environment, heritage, sustainability, hazard mitigation, and the design of more livable urban spaces.

To enter the MPlan, students will need a degree in a relevant field such as Geography, Geology, Political Science, Botany, Ecology, Law, Sociology, Politics, Economics, Indigenous Studies, and like the BPhty graduates are then eligible for registration.

Interested applicants are required to complete the HSFY or equivalent, before a place in the second-year class can be confirmed.

In addition to BSc and BSc(Hons), it is possible to undertake and complete a course of study in the following areas:

- Political Science: Introduction to Political Science
- Political Theory: Introduction to Political Theory
- Political Institutions: Introduction to Political Institutions
- Political Economy: Introduction to Political Economy

Political Science: Introduction to Political Science

Students will have the opportunity to gain knowledge and skills in political science, an interdisciplinary field that explores the ways in which individuals, groups, and societies make decisions and exert influence over the formulation and implementation of public policy.

The programme covers a wide range of topics, including the history of political thought, the social and economic context of politics, and the institutions and processes that shape political decision-making. Students will develop skills in critical thinking, analysis, and writing, which can be applied to a variety of careers.

Political Theory: Introduction to Political Theory

The programme covers a variety of political theories, from classical to contemporary, with a focus on questions of justice, democracy, and the role of the state in society. Students will develop skills in critical thinking, analysis, and writing, which can be applied to a variety of careers.

Political Institutions: Introduction to Political Institutions

The programme covers a variety of political institutions, from national to international, with a focus on the role of government, political parties, and interest groups. Students will develop skills in critical thinking, analysis, and writing, which can be applied to a variety of careers.

Political Economy: Introduction to Political Economy

The programme covers a variety of political economies, from capitalist to socialist, with a focus on the role of the state in the economy. Students will develop skills in critical thinking, analysis, and writing, which can be applied to a variety of careers.
Nicole Chuah grew up in Auckland but chose Otago for her undergraduate studies. “People say your university years are supposed to be the best ones ever, so I had to be somewhere I knew wouldn’t disappoint. "Otago appealed for its ideal mix of academic and social activities and Dunedin has all the right kinds of student town vibes.”

She tried out a variety of subjects in her first year. “I didn’t know what I wanted to do. But after my first year I knew what I didn’t. So I made the decision to choose a new course and it’s been good.”

Changing to a BA in philosophy, politics and economics (PHPE) has worked for Nicole. “PHPE has three different disciplines, which I like for the variety, and they mesh together well.”

Otago has delivered socially as well as academically. “Everyone is a potential friend here and there’s a really warm atmosphere. It’s such a vibrant, chill place.”

“We have professors from all over the world who could teach and live in the coolest cities and they’ve chosen Dunedin, which is comparatively tiny, all the way down here.”

This year Nicole will be doing a semester on exchange in California. “To be able to pay domestic tuition fees while studying somewhere else in the world is great.”

“If I’ll be different living in a country as opposed to travelling there as a tourist. And fill to get to live and study there. How amazing is that?”

After a summer spent backpacking in South-East Asia, Nicole is ready for the future, hopefully with fewer mosquitoes.

“I don’t like to plan too far ahead, but I’d like to continue with postgraduate study and see more places - travel gives you experiences that open up your world.”

CAREER OPPORTUNITIES

The Professional Studies major enhances students’ technical, critical and problem-solving skills. These skills have enabled recent graduates to gain employment in national and regional sports organisations and trusts; outdoor industries, city councils, primary and secondary schools, fitness industries, Ministry organisations, government departments (e.g. ACC, armed forces and police force); community organisations (e.g. Age Concern, Green Prescription), dance schools, and the tertiary sector. See the graduate career diagram for inspiration — physics.otago.ac.nz/ prospective/careers.html

Psychology

Psychology is the science of behaviour and how behaviour is represented in the brain. Academic staff in the Department of Psychology study the ways humans and other animals interact with the world and each other. They examine how our abilities change with age, what might underlie abnormal behaviour, and how we process and store information using our senses and memory. They study how our experiences shape our behaviour, and why things such as drugs, hormone levels and lack of sleep can influence the way we behave. The research conducted by the Department of Psychology addresses problems in areas as diverse as sleep disorders, industrial relations, phobias, drug rehabilitation, aircraft safety, hyperactivity in children, how nonhuman animals think, as well as how the brain works.

Psychology is a very popular course. It may be a major in either Arts or Sciences and can be taken in conjunction with a number of degrees such as Commerce, English, Law, Physical Education and Applied Science, to name but a few. The Department of Psychology at Otago has a highly regarded teaching programme and is internationally renowned for the strength of its research.

CAREER OPPORTUNITIES

Graduates from the Department of Psychology have gone on to secure jobs in universities, health services, business and industry, road safety, communications and planning, and various government agencies. Clinical Psychology graduates have gone on to work in the public health sector or in private practice.

Graduates with appropriate postgraduate qualifications work in research sections of the government, such as the Departments of Health, Justice, Social Development, Transport and the Ministry of Business, Innovation and Employment. Many of our graduates spend time working overseas, particularly in the United States, United Kingdom or Australia.

100-LEVEL PAPERS

If you intend to major in Psychology (BA, BSc), you must take the following 100-level papers:

- PSYC 111 Brain and Behaviour (Introduces the biological bases of behaviour, memory, neuropsychology, perception, learning, and developmental psychology)
- PSYC 112 Human Thought and Behaviour (Introduces child development, social psychology, thought and language, and abnormal psychology)

Students intending to major in Psychology are recommended to take STAT 110 or STAT 115.

200-level papers cover topics such as biopsychology, sensation and perception, cognitive processes, applied psychology, social cognition, intergroup and interpersonal processes, abnormal psychology, and theoretical and applied approaches to explaining individual differences in behaviour, intelligence and personal adjustment.

200-level papers cover topics such as human development, social processes, brain-behaviour relationships, cognition, perception, and forensic and applied psychology.

Public Health

Public health can be defined as the art and science of preventing disease, prolonging life and promoting health through the organized efforts of society. Public Health papers provide the opportunity for a minor in Public Health, and combine usefully with a range of majors.

The study of health and disease in human populations, known as Epidemiology, is the core of the minor in Public Health.

Other papers that contribute to the minor cover health promotion, health policy and politics, and research methods for Public Health.

To fulfill the requirements for a minor you need to complete the five following papers:

- PUBH 192 Foundations of Epidemiology
- PUBH 202 Health Promotion
- PUBH 203 Health Policy and Politics
- PUBH 211 Epidemiology of Major Health Problems
- PUBH 213 Research Methods for Public Health

Radiation Therapy

WELLINGTON CAMPUS

Are you attracted to a scientific discipline, willing to accept responsibility and keen to work as part of a team of skilled professionals treating and curing patients?

The three-year Bachelor of Radiation Therapy (BRT) qualifies you as a radiation therapist able to use radiation to treat disease with minimum supervision from radiation oncologists. The qualification incorporates theory components at the University of Otago, Wellington; and practical components at radiation oncology departments around New Zealand. In addition, students complete work experience in radiation oncology departments during many of the academic breaks. This work experience is a course requirement for the programme.

CAREER OPPORTUNITIES

Graduates may apply for registration with the Medical Radiation Technologists’ Board (MRTB) and work in departments of radiation oncology in Auckland, Hamilton (Waikato), Tauranga, Palmerston North, Wellington, Christchurch and Dunedin. Overseas opportunities exist particularly in Australia, Canada and England.

ENTRY REQUIREMENTS

1. The Radiation Therapy Admissions Committee shall consider applications from candidates in the following categories:
   - Admission with one year of university study
   - Admission with two or more years of university study
   - Admission with university qualification(s)
   - Admission with alternative qualifications and/or experience.

2. Demonstration of suitability to the profession by interview.
   - Selection for interview is based on academic performance to a standard determined by the Radiation Therapy Admissions Committee. Student numbers will be limited due to the availability of clinical placements.
Religion

The academic study of religion has never been more important. From debates over marriage, to civil wars, to popular culture, religion features daily in the headlines of the globe’s newspapers. Today’s world needs people who can think clearly and creatively about religion’s shifting role in political, economic and social life. Our papers use methods from history, philosophy, anthropology, sociology and politics to study religion as a human phenomenon. Our questions are comparative and critical. How do religions mythify social order? How do religious symbols and religious institutions use? How is religion related to magic, and to science? Are religions more altruistic than non-religious people? How would we find out? Why do religions give women such a hard time? Why do women outnumber men in so many religious communities?

Science Communication

The Master of Science Communication (MSciComm) comes in three different streams: science and natural history filmmaking, creative non-fiction writing, and science in society. The programme is open to all graduates. Admission to the programme is on a competitive basis and applicants should have a minimum B average in 300-level papers.

Career Opportunities

Students who study religion apply their knowledge in a variety of employment settings: from government, to education, to journalism, to business, to non-profit, to law.

100-Level Papers

If you wish to try in Religious Studies, you must complete:

- REL 101 Judaism, Christianity and Islam
- REL 102 Hinduism and Buddhism

200-Level and Beyond

Advanced papers deal with individual religious traditions in greater depth, as well as dealing with themes across a number of religions. Religion is studied as it exists in relation to other spheres of human activity, rather than as an isolated phenomenon. Most Religion papers are offered through the University’s Distance Learning network.

Minor in Buddhist Studies

There is much to be gained by studying the major religions of the world alongside one another, and many of our papers deal with more than one religion. However, the Religion programme has particular strength in the study of Buddhism and it is also possible to specialise in studying Buddhism and gain formal recognition of this by including a Buddhist Studies minor in your degree. Five papers are required for a minor; for Buddhist Studies these should begin with REL 102. In addition you must take at least three papers above 100-level, including one above 200-level, from the lists provided in the Guide to Enrolment.

Sociology

Sociology critically analyses how people organise and participate in groups, collectivities or societies. It examines how individuals, social institutions, social classes, division, norms, roles, and institutions construct, re-construct and resist the social world in which they live. Sociology also is very interested in social change – how societies or social groups change over time. Sociology is also strongly interested in social conflict. Why are some societies so conflict-ridden, and what kinds of social divisions lie behind such conflicts? Why is it that differences of ethnicity, religion and gender are the basis of major conflict in some societies and yet the source of much less tension in other societies? Who decides what is “bad” conflict and what is “good” conflict? The subject matter of Sociology traverses a broad range of topics, including inequalities of class, gender and ethnicity; social dynamics of environmental sustainability and change; social institutions such as family, media, education, work, religion and government; and the implications of these for health and well-being.

Career Opportunities

Sociology is a broad-based discipline that combines well with a range of other subjects at university. By learning skills of social research and knowledge of real-world social processes, graduates take up careers in the following fields: social and marketing research, trade unions, human resource management, government (conducting research and advising ministers on issues related to housing, health, service delivery, arts and culture, tourism and sport etc.), non-governmental organisations, academia and politics (working on social justice campaigns, advising politicians on social policy). Upper level Sociology papers include options to place students into applied research situations with community groups, organisations and businesses as a bridge towards deploying sociological skills in workplace situations.

The University of Otago offers both a major and a minor in Sociology. A major in Sociology is available within the BA degree, and a minor in Sociology can be attached to a BA, BCom, BSc or BThEd degree. As a degree programme, Sociology works well in conjunction with a minor in Public Health, Management, Marketing, Tourism, Social Services Law, Psychology and Gender Studies. Both the major and minor are administered through the Department of Sociology, Gender and Social Work.

100-Level Papers

The Sociology major requires you to take both of:

- SOC 101 Sociology of New Zealand Society
- SOC 102 Cultural and Social Identities

Sociology of New Zealand Society

An introduction to core concepts in Sociology. Issues examined include gender, sexuality, class, race/ethnicity, social divisions and change. Sociology is also available within the BA degree, and a minor in Sociology of New Zealand society are used to illustrate these issues.

Cultural and Social Identities

An introduction to studying social identity. The paper addresses processes involved in identity construction; core aspects of institutional life, including family, religion, education, politics and the economy; as well as drivers of social change, such as urbanisation, sustainability, globalisation and social movements.

200-Level and Beyond

At higher levels, there is a selection of 200- and 300-level SOCI papers available to complete a major or minor. Approved papers in other programmes may also be substituted into a SOCI major or minor.

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Software Engineering

Software Engineering can be studied for the Bachelor of Applied Science degree. There is a growing need for technical professionals who are able to manage the construction of advanced ICT (Information and Communication Technology) systems. Such systems include those that enable people to access a wide range of relevant information. To meet this need in an effective way individuals need the skills to manage the design, development, application, and maintenance of complex software systems, as well as having an understanding of the business and social context of these systems.

Software Engineering emphasises those aspects of computer and information science that are concerned with the principles and techniques required to produce high performing, reliable software systems.

CAREER OPPORTUNITIES

Study in this area provides the student with excellent national and international career employment opportunities.

100-LEVEL PAPERS

If you intend to major in Software Engineering, you must take the following 100-level papers:

Papers worth at least 120 points including:

COMP 101 Foundations of Information Systems
COMP 100 General Programming and one of the following: MATH 131, 132 or 170. (FIND 102)

Spanish

Spanish is the world’s most widely spoken language after Chinese, with more than 400 million speakers spread across all five continents. The University of Otago has developed strong academic partnerships with universities in Spain and several Latin American countries. Staff and student exchange programmes have been established with universities in Argentina, Chile and Mexico. New partner arrangements are also being finalised with several prominent universities in Spain.

100-LEVEL PAPERS

If you intend to major in Spanish (BA), you must take the following 100-level papers:

SPAN 131 Introductory Spanish 1
SPAN 132 Introductory Spanish 2
SPAN 141 Introduction to Hispanic Culture

SPAN 133 Introduces reading, writing, listening to and speaking Spanish for students with no previous knowledge of Spanish. The course uses a dynamic communicative contexts and state-of-the-art functional models of language learning.

SPAN 132 Introductory Spanish 2

SPAN 152 The second-semester continuation of SPAN 131.

SPAN 141 Introduction to Hispanic Culture

This paper introduces students to the cultures of Spain and Latin America.

200- AND 300-LEVEL PAPERS

The course offers 200- and 300-level papers in Spanish, Business Spanish, and Spanish and Latin American Culture. Students can graduate with a BA major in Spanish, or with a minor in Spanish language or Spanish culture to complement a major in another subject.

400-LEVEL PAPERS

Students can complete an honours degree (fourth year) in Spanish, with a research component focusing on a specific aspect of Latin American or Spanish culture and/or literature and linguistics. Students studying at fourth-year level are required to spend one semester at one of our partner universities in Latin America or Spain as part of their programme.

It is also possible to progress to postgraduate level study in Spanish, including the PhD degree.

Sport and Exercise Medicine

Although many health professionals find that sport and exercise medicine forms a significant part of their work, most practitioners have minimal formal training at an undergraduate or postgraduate level. This programme reflects the multidisciplinary nature of sport and exercise medicine.

The Postgraduate Diploma in Sport and Exercise Medicine is for graduates in Medicine, Physiotherapy, Physical Education, Human Nutrition, Podiatry, Pharmacy or Sciences, or those with a comparable qualification in the health-care professions, who have industry experience. It requires the accumulation of 120 points. There are two compulsory generic papers, SPME 701 and SPME 711. Candidates choose their remaining points from a selection of papers. This allows students to complete a postgraduate diploma with an emphasis on a specific area of expertise.

There is increasing demand for sport psychologists, nutritionists, and strength and conditioning experts who work with professional sports teams. Team doctors and physiotherapists accompany national teams to world championships, Commonwealth and Olympic Games.

Sport and Leisure Studies

See Physical Education for details on admission into this major.

The Sport and Leisure Studies major uses sociopsychological and sociocultural perspectives to examine the role, purpose and status of sport, leisure and physical activity in everyday life. Subject areas include: Sport Management and Policy; Sport and Exercise Psychology; Sport Media and Culture; Sport Coaching; Sport Sociology; Sport History; Body Culture, Sport, Leisure and Social Theory; and Māori Physical Education.

A review of these programmes is currently being undertaken and they are expected to change. Please see the Schools website for the most up to date information: physed.otago.ac.nz

CAREER OPPORTUNITIES

The Sport and Leisure Studies major enhances students’ technical, critical and problem-solving skills. These skills have enabled recent graduates to gain employment in: national and regional sports organisations and trusts; city councils; sports-related businesses; sport media; and tertiary institutions. Some of the roles graduates have taken up are: sport managers and marketers; sport/exercise psychology consultants; sport and social policy advisers; journalists; and recreational planners. See the graduate career diagram for inspiration – physed.otago.ac.nz/prospective/careers.html

Sports Technology

Our top sports organisations recognise the importance of sporting technology in ensuring New Zealand’s competitiveness in sport and have confirmed their support of the new Bachelor of Applied Sciences in Sport’s Technology. This new degree delivers many benefits:

• the development of new ideas, including products and technology-based services
• engagement with entrepreneurs and businesses
• collaboration with key partners locally and internationally

Students will be able to develop a range of practical skills, scientific and technical knowledge that is suited to the diverse employment opportunities that exist in this exciting area of development.

Sports Technology is an incredibly diverse, interdisciplinary field. Teaching and research in technologies associated with sport already occur in a number of disciplines including Clothing and Textile Sciences, Computer Science, Medicine, Human Nutrition, Physical Education, Physics, Physiology, Physiotherapy and Psychology – leading research into fields such as artificial intelligence and the modelling of movement, measurement and assessment of balance, performance-enhancing clothing and equipment, brain-blood flow neurophysiology, eye movement registration, and the broadcasting of sporting events (e.g. 3D animation).

Sports Technology can be taken as either a major or a minor subject within the Bachelor of Applied Sciences. There are several recommended pathways to choose from specialising in topics such as human performance, clothing and design, and computational modelling.

MAJOR SUBJECT PAPERS REQUIRED


Statistics

Statistics is the collection, analysis, interpretation and presentation of data. Statistical skills are crucial for a modern, educated society.

Statisticians work with researchers in a wide range of disciplines, including biological, environmental, health and social sciences. They are key contributors to decision-making by government and industry.

Students study Statistics as their major because they are looking for skills that are applicable in a wide variety of areas, or because they wish to pursue employment prospects, often by completing double degrees.

Statistics can be studied at all undergraduate levels, as a minor or a prerequisite for other majors.

CAREER OPPORTUNITIES

Graduates work in government departments, research institutes and private industry in New Zealand and overseas. Employers include AgResearch, health organisations, insurance companies, Landcare Research, Treasury and Statistics New Zealand.

100-LEVEL PAPERS

If you intend to major in Statistics (BA, BSc), you must take the following 100-level papers:

STAT 110 Statistical Methods

STAT 115 Introduction to Biostatistics

MATH 100 Mathematics 1 (unless exempt)

MATH 170 Mathematics 2

STAT 110 Statistical Methods

Covers research design principles and methods of data analysis for the biological and social sciences in a non-mathematical setting. Required for several other subjects.

STAT 115 Introduction to Biostatistics

Provides an understanding of scientific method and data analytic skills in all the Health Science subjects, including Nutrition, Pharmacology, Epidemiology, Physical Education, Psychology, as well as Biostatistics in a non-mathematical context.

200-LEVEL AND BEYOND

Statistics also combines well with other subjects (for instance, with joint majors in Mathematics, Economics, Finance, Marketing, Pharmacology, Psychology, Zoology, Nutrition and its Application, and Epidemiology).

Students have easy access to the latest statistical software (R, SPSS).
Statistics

Data is a ubiquitous resource in the digital age, but it’s only useful if it is handled properly, says Dr Tilman Davies. “Whatever the study, data collection has to be well-designed and well-analysed, or the resulting information will have no value.”

Tilman realised the value of statistics early on at university in Australia. “I’m not just about batting averages – I’m everywhere.” When he saw someone todo statistics to support other subjects but when they see the real world implications of the subject they soon lose their preconceptions and get enthusiastic.

“People are crying out for graduates with good skills in statistics, because that’s what the world needs to make sense of all the data we are collecting in all walks of life.”

Tilman’s recent collaborations include research in physiology, epidemiology, psychotherapy and archaeology. He has just received a Marsden Fund grant to develop new methodology and completed a textbook on statistical computing.

“Statistics is a discipline in itself – that’s where techniques and methods come from – but also used in so many other disciplines. Even if it is not your main subject, a second major or a minor in statistics goes on a long way to show your real world skill set in logic and thinking.

“Behind almost all scientific research there will be statisticians working with data – and people prepared to do them.”

Surveying

Surveyors have indoor and outdoor elements to their work and are involved in four main activities including: precise measurement of position; boundary definitions, land ownership and land rights; land and resource management including planning, urban design, subdivision design and engineering; and geographic information science including the capture, display and management of spatial information.

CAREER OPPORTUNITIES

The BSc degree is the only academic qualification offered in New Zealand that will lead to licensing by the Cadastral Surveyors Licensing Board – a licence to carry out land title surveys that is also recognised by all Australian states. It can also lead to full Professional membership of the New Zealand Institute of Surveyors. Graduates are employed in such diverse areas as measuring land and built-structure deformation; the design, layout and construction of subdivisions and services; property management; planning; hydrographic surveying; mining and construction surveying; and the application of geographic information systems.

100-LEVEL PAPERS

(Surveying First Year (BSc) programme)

If you wish to be considered for admission to second-year studies leading to a BSc, you must normally have passed the following papers:

MATH 160 Mathematics 1
SURV 101 Introductory Surveying
SURV 102 Geospatial Sciences
ENGL 228 Writing for the Professions

Note: SURV 101 is also available as a distance taught paper in Session 2.

Admission to second-year classes is competitive. Applications must be received by 15 November of your first year for entry into second year of the BSc degree. A maximum of 45 places is available. The School of Surveying offers up to two $1,000 scholarships to the students with the best academic record in their first year.

200-LEVEL AND BEYOND

The remaining three years of the Surveying professional course involve 18 core papers, including, among others, measurement technology and processes, civil engineering, urban design, professional practice, land law, project management, satellite remote sensing and photogrammetry and geographic information systems.

The degree has an elective component of 126 points, 54 of which must be advanced surveying electives. Options for these are hydrographic surveying, engineering surveying, remote sensing and resource mapping, spatial databases, environmental engineering, urban design, land tenure and spatial information management. A significant portion of time is spent in practical work.

OTHER DEGREES

There are BSc majors in Land Planning and Development, and Surveying Measurement, and a BAppSc in Geographic Information Systems. These degrees allow students to focus their careers at an early stage. If you wish to take any of these majors, contact the School before enrolling (surveying@otago.ac.nz).

Surveying Measurement

The BSc degree in Surveying Measurement focuses on the precise measurement of position applied to land, the sea floor and built structures. This degree may also be used as a basis for becoming an internationally qualified hydrographic surveyor.

CAREER OPPORTUNITIES

Career opportunities exist wherever there is a need for accurate spatial information or precise position measurement. Graduates may specialise in engineering surveying including road and building set out, underground mining, and tunnelling. These skills are internationally generic and may be applied in any country and in a variety of contexts.

100-LEVEL PAPERS

In order to be admitted to the second year studies of the BSc in Surveying Measurement, you must have passed the following papers:

MATH 160 Mathematics 1
SURV 101 Introductory Surveying
SURV 102 Geospatial Sciences
ENGL 228 Writing for the Professions

In order to continue beyond this level, candidates for the BSc (SM) must compete for a place in the SURV 298 Introductory Field Camp with BSc’s candidates.

200-LEVEL AND BEYOND

200-level courses that are required are SURV 201 Surveying Methods 1, SURV 202 Surveying Mathematics and SURV 208 Introduction to Geographic Information Systems.

300-level courses that are required are SURV 301 Surveying Methods 2, SURV 302 Geodetic Reference Systems and Network Analysis, SURV 409 Introduction to Remote Sensing Technologies and SURV 399 Third Year Field Course, and two further advanced surveying papers from a specified range, depending on the student’s particular interests.

Students may then complete the requirements for the degree by gaining further points from subjects of their own choice.

Those who wish to include the BSc surveying papers SURV 298 Introductory Field Courses and SURV 201 Surveying Methods 1 in their degree, must apply for admission by 15 November of the preceding year.

Note: Students wishing to undertake this degree should contact the School of Surveying before enrolling.

Teaching

See profile on page 111.

TEACHER EDUCATION

Students can study initial teacher education (ITE) at University of Otago College of Education (UOCE) campuses in Dunedin or Invercargill. UOCE’s ITE programmes qualify graduates to apply for registration as teachers in early childhood, primary and secondary education sectors. ITE students can select from the following qualifications:

BACHELOR OF TEACHING (BTchg)

Three-year degree programmes in early childhood or primary teacher training. Offered at the Dunedin and Invercargill campuses or Te Pōkai Mātauranga o te Ao Rua (primary bicultural education) – offered at the Invercargill campus.

MASTER OF TEACHING AND LEARNING (MTchg)

One calendar year postgraduate level programmes in primary or secondary education - requires a completed degree for entry – offered at the Dunedin campus only. See the UOCE website for details of the annual.

education
Admission to all LUSE teacher education programmes

Admission to all teacher education programmes is by application and selection process, which includes an online application, identity verification, referees’ reports, police vetting, and an interview following short-listing. Applicants must meet academic requirements and demonstrate personal and professional qualities essential for teachers.

Programme application closing dates vary: Master of Teaching and Learning applications are due in July and undergraduate teaching programme applications are due by August 29. Please see the College of Education website for details on closing dates for each programme.

Tesol (Teaching English to Speakers of Other Languages)

The study and practice of Teaching of English to Speakers of Other Languages (TESOL) are significant elements of the international education industry in New Zealand. English is the global lingua franca, the language learned than any other language and the language most widely distributed across the world. TESOL practitioners are required worldwide and TESOL practitioners trained in English-speaking countries are highly valued. The TESOL minor is a useful option for students intending to make a career teaching English as a foreign language in New Zealand or overseas. It is also very useful for someone looking for temporary employment while travelling abroad for an extended period.

TESOL is available as a minor subject in a Bachelor of Arts (BA), Bachelor of Performing Arts (BPA), Bachelor of Communication (BCom), Bachelor of Theology (BTheol), Bachelor of Applied Science (BAppSc) or Bachelor of Science (BSc) degree.

The following papers are required for the minor in TESOL:

100 LEVEL PAPERS

UNG 111 Languages and its Structure
UNG 112 Social Aspects of Language

200 LEVEL PAPERS

UNG 231 TESOL One of LING 214 Syntax or LING 215 Phonology or EDUC 252 How People Learn

300 LEVEL PAPERS

One of LING 319 Second Language Acquisition or LING 331 Advanced Topic in TESOL or LING 352 TESOL Practicum

Note: This minor cannot be taken in conjunction with the major in Linguistics (which includes it), but one can take in conjunction with the major in English and Linguistics, the major in Language and Linguistics or any other major subjects.

Teaching

It’s very rewarding to experience that light-bulb moment when a student gets what you’re teaching them.

Andrew Barnett didn’t know what he wanted to do when he left school, so he embarked on a series of jobs in retail and construction in New Zealand and Australia before heading to the UK.

There he worked at Legoland and as a lab technician in a high school science department before becoming a one-to-one teaching assistant, supporting students with special education needs.

“After three years and many development courses, I asked myself, why be the assistant at the back of the class with one student when I could be up front teaching?”

Andrew returned to Invercargill and enrolled at the University of Otago’s College of Education, Southland Campus, which offers training in early childhood, primary teaching and bicultural programmes.

“Southland has a good reputation for catering to a diverse range of students rather than the majority of students seeking recently completed high school. The cost of living was good and I had the support of family and friends nearby.

“Lecturers and library staff were amazing. They had an open door policy and were always there if you had questions. You’re not just a number and you build relationships.”

Of 23 graduates, Andrew was one of only four men. “It’s a pity there are not more male primary teachers.

“I encourage more men to get into teaching. It’s very rewarding to experience that light-bulb moment when a student gets what you’re teaching them.”

Andrew’s glad he didn’t rush into a degree just for the sake of it. “Work and travel teach you about life. You realise what you really want to study at university.”

He found full-time work at Windsor North School in Invercargill immediately after his Bachelor of Teaching (Primary Education).

“Maturity and life skills are important advantages to bring to the classroom. Now I want to gain experience, work my way up and see where it takes me. I want to be the best teacher I can be.”
The core second-year paper THEA 221 Theatre: Ancient to Contemporary provides a survey of Western theatre history and teaches essential dramatic concepts. Other papers include: THEA 323 Performance Research; THEA 322 Australian and New Zealand Drama; THEA 324 Aspects of Modern Drama and Theatre; THEA 253/353 Bi-Cultural Theatre; MUSI 263/363 Music and Theatre; THEA 255/355 Performing Ireland and THEA 325 Radical Theatre 1880-2000, which looks at various manifestations of the avant-garde in theatre and performance.

Student numbers are restricted in some 200- and 300-level papers including: THEA 241 Playwriting, THEA 341 Advanced Playwriting; THEA 351 Performing Shakespeare and THEA 352 Directing. Theatre Studies also offers a full postgraduate programme, including honours, PGDipArts, MA, MFA and PhD.

CAREER OPPORTUNITIES

Graduates develop valuable skills in critical thinking, research and communication. They go on to careers in any number of roles: research, social work, journalism, leadership, administration, art and agency development, government department work, and church leadership and ministry.

100-LEVEL PAPERS

If you intend to complete a Bachelor of Theatre (BTheat) degree, you must take the following 100-level papers:

| BIBS 112 | Interpreting the Old Testament |
| BIBS 121 | Interpreting the New Testament |

If you intend to major in Biblical Studies (BA), you must take the following 100-level papers:

| BIBS 112 | Interpreting the Old Testament |
| BIBS 121 | Interpreting the New Testament |

DISTANCE LEARNING

Theology papers are also offered by the University’s Distance Learning programme and many can be counted as a BTheat degree or Diploma for Graduates. Most papers are taught by way of videoconference, but a few are available as one-week intensive courses.

TOUR 101 Introduction to Tourism

TOUR 102 Global Tourism

TOUR 103 Introduction to Hospitality

200-LEVEL AND BEYOND

200- and 300-level papers provide a range of papers that build upon the knowledge gained at 100-level. At 200-level core courses cover subjects such as tourism destination management, enterprise management and tourism behaviour. At both 200- and 300-level, there are opportunities to begin to specialise with papers on subjects including wine and food tourism, conventions and events management, cultural and heritage tourism, tourism product development, accommodation management, ecotourism and sustainable development, and sport tourism.

Tourism

Tourism is one of New Zealand’s leading industries. It offers unparalleled opportunities to contribute to a sustainable economy and confirm New Zealand’s “100% Pure” global brand positioning and is a global growth industry. The Tourism degree has a strong business emphasis, as well as paying close attention to the ethical, cultural, social and environmental dimensions of tourism.

The BCom (Tourism) critically explores multiple and dynamic facets of the international tourism industry. This innovative major prepares students for careers in tourism and related industries by exploring the effects and ongoing planning and management issues associated with tourism at both destination and business levels, in New Zealand and globally. Studying Tourism is also about understanding those people who visit a destination as well as understanding ourselves, as tourists and travellers, and our role in the global economy.

CAREER OPPORTUNITIES

Graduates work in government ministries (tourism policy and planning), regional and national tourism organisations (e.g. tourism and marketing), businesses (e.g. adventure, ecotourism, guiding, interpretation, visitor management), events, conference and convention management, interpretation, accommodation and facilities management, heritage management, and in visitor attractions such as museums, art galleries and wineries.

100-LEVEL PAPERS

For a Bachelor of Commerce majoring in Tourism, you must complete the following papers (and also meet BCom degree requirements, including the completion of all BCom core RNNS papers – see the Business and Commerce entries for details):

| CTH 101 | The History of Christianity |
| CTH 111 | Doing Theology |
| CTH 131 | God and Ethics in the Modern World |

If you intend to major in Biblical Studies (BA), you must take the following 100-level papers:

| BIBS 112 | Interpreting the Old Testament |
| BIBS 121 | Interpreting the New Testament |

If you intend to major in Christian Thought and History (BA), you must take the following 100-level papers:

| CTH 102 | The History of Christianity |
| CTH 111 | Doing Theology |
| CTH 131 | God and Ethics in the Modern World |

Writing

The Department of English and Linguistics offers a minor in Writing, which can be taken alongside major subjects in Arts, Science or Commerce, including the major in English. There are papers in Professional Writing, Academic Writing and Creative Writing. Completing this minor demonstrates to prospective employers that a student has mastered the complex writing and communication skills they seek. The minor consists of five papers. However, papers may also be taken individually.

Wildlife Management

The postgraduate diploma and the coursework Master of Wildlife Management is open to all graduates, although preference may be given to students with some Biology or Ecology in their degrees. Applicants must have an average over their four best relevant 300-level papers.

CAREER OPPORTUNITIES

The major objective of the Wildlife Management programme is to train students with the skills necessary for employment in some aspect of wildlife or ecological management research. Recent graduates have found positions in government ministries, the Department of Conservation, Crown Research Institutes, Fish and Game Councils, regional and local authorities, private wildlife management consultancies and community-led restoration projects.

100-LEVEL PAPERS

There are no 100-level Wildlife Management papers. If you intend to major in Zoology (BSc), you must take the following 100-level papers:

| CELS 101 | Cell and Molecular Biology |
| BSOL 112 | Animal Biology |
| STAT 110 | Statistical Methods |
| STAT 115 | Introduction to Biostatistics |

Zoology

Zoology studies the biology of animals at many levels: molecular, physiological, structural, evolutionary, behavioural and ecological.

The University of Otago emphasises the diversity and conservation of New Zealand’s unique animals, while also providing an appreciation of how animals function, whether they live on land, in fresh water, in the sea or as parasites.

CAREER OPPORTUNITIES

Graduates work in government departments, Ministry for Primary Industries, the Department of Conservation, Crown Research Institutes, regional and local authorities, medical and veterinary laboratories, wildlife and fisheries management, environmental consultancy and education.

100-LEVEL PAPERS

200- and 300-level papers deal with the diversity of animal life, both invertebrate and vertebrate, animal evolution and physiology.

300-level papers deal with freshwater ecology, conservation biology, environmental physiology, neurobiology, behavioural and evolutionary ecology and biological data analysis. Zoology staff also teach 300-level papers in evolutionary and developmental genetics and marine science.

There are postgraduate courses in Ecology, Biotechnology, Environmental Science, Genetics, Marine Science and Zoology. A one-year Postgraduate Diploma and a 18-month coursework Master of Wildlife Management and a two-year Master of Science Communication are open not only to graduates in Zoology, Ecology and other biological sciences, but also to non-graduates with appropriate qualifications or practical experience.
Talking about majors and minors and prerequisites and corequisites can seem a bit overwhelming.

Don’t worry. This section explains some of the common terms you’ll come across as we help you work out how to decide on a degree, and how to structure one to suit your needs. And, there’s always help at otago.ac.nz or at 0800 80 80 98 or txt 866 or you can speak to a schools’ liaison officer.
Degrees

The qualification you normally aim for at university is called a degree. In New Zealand each university has its own degrees, and each has different (although often fairly similar) requirements governing the awarding of a degree.

Each degree has a standard abbreviation, such as BA or BCom, which you may use after your name once the degree has been formally conferred.

Your first degree is called a bachelor’s degree and the subject you choose to specialise in is called your major. A degree almost always includes subjects other than your major, but the major subject is generally studied in every year of the course. This choice of major subject (or subjects) determines which degree you are actually taking.

Papers

The building blocks of the degree are called papers. A paper is a fixed amount of work in certain aspects of a subject at a particular level. The first papers you take are called 100-level papers. You move on in subsequent years or semesters to 200-level and 300-level papers (and beyond, if you choose). Most of your 300-level papers will be in your major subject.

Each degree has its own set of subjects and papers, although a number of subjects can be taken as a major subject for more than one degree. For example, Economics can be a major in a BA, BSc or a BCom. The rules of most degrees allow you to include a limited number of papers that would normally count for other degrees.

Codes

Each university paper is identified by its subject code, a three-digit number and a subject name. For example, there are two first-level Geography papers, GEOG 101 Physical Geography and GEOG 102 Human Geography. They are referred to as GEOG 101 and GEOG 102.

Second-level papers are numbered in the 200s (e.g. GEOG 281, etc.) and third-level papers in the 300s.

Points

Each paper is worth a number of points that you earn when you pass. To complete a degree you must accumulate a number of points, with a required number at higher levels. You cannot earn a degree simply by taking lots of 100-level papers over three or four years.

Most papers are single semester papers and are worth 18 points. If you pass, you get all the points. Your grade shows how well you passed but does not affect the number of points you earn.

Major subjects

Each subject has papers you must take to major in that subject. This usually means a number of 300-level papers, and requirements at 200- and 100-levels. It may also include papers from other subjects.

The major requirements for each degree are set out in the Guide to Enrolment, available each year in August and also on the University’s website. The 100-level requirements for each subject are in Section Six of this Prospectus.

Choosing a major subject is one of your most significant decisions. You do not necessarily have to make this decision in your first year, because there are usually several other subjects besides your major subject in your first-year course. A well-planned first year allows you flexibility of choice, but at the same time should cover any prerequisites there may be for 200- and 300-level papers you may choose later.

Prerequisites and corequisites

Most papers beyond 100-level have prerequisites. If you have not completed a prerequisite for a paper, you are not normally permitted to enrol in that paper. For example, if you wish to take GEOG 251 Minerals and Rocks, the prerequisite (listed in the Guide to Enrolment) is shown as GEOG 102 Dynamic Earth.

Some papers have corequisites. If you have not already passed a corequisite, you must take it at the same time as your other paper.

Disabilities

If you have a disability, impairment or medical condition that may affect your study, please contact Disability Information and Support.

Minor subjects

It is possible to gain formal recognition for a minor subject within your BA, BPA, BTheol, BSc, BAppSc or BCom. To be recognised as having achieved a minor you are normally required to complete a minimum of 90 points in that subject with at least 18 points at 300-level. As you are able to include up to 90 points from other degrees in your BA, BPA, BTheol, BSc, BAppSc or BCom, your minor could be a subject from a different degree, for example, a BCom majoring in Marketing Management with a minor in Japanese Language.

The Guide to Enrolment and the University website have a list of subjects available for a minor subject and information about minor requirements.

Workload

A full-time first-year course is generally 34-72 points in any one semester or 108-144 points in any one year. As an approximate guide, you can expect to spend about 12 hours per week for each single-semester paper (18 points). Three hours are made up of a combination of lectures, tutorials, laboratories, assignments and reading.

Very able students may take 144 points annually with the load spread as evenly as possible between both semesters. Most take fewer points (126 or 108) or study part-time. Part-time study is taking fewer than 54 points in any one semester or 108 points in any one year. Part-time students do not normally receive student allowances, and obviously take longer to complete degrees.

Assessment

Papers are assessed in a variety of ways. Examinations (finals) are usually the most important, and most papers end with a three-hour examination. Finals are held at the end of each semester. Full-year papers are examined at the end of the second semester.

Many subjects also have shorter tests during the year, and written assignments and laboratory work often count towards your final grade. The proportion of the final grade awarded on the basis of internal assessment during the year varies with different subjects, but is often about 20 to 30 per cent.

For some papers, students must gain “terms” before being able to sit the final examination. The ways students gain terms vary from paper to paper. They may be attending a number of lectures or laboratories, taking part in seminars and practical sessions, or submitting an amount of written work.

These requirements are made clear at the beginning of each semester in each subject.

Semesters

The University operates two semesters per year. Some papers are completed in a single semester (i.e. a half-year, either first or second semester), while others run for the whole year. Most 100-level papers occupy only one semester. Some single-semester papers are offered in each semester, while others occur only once a year.

In planning your year’s work, it is advisable to balance your workload between the semesters. The Guide to Enrolment and the University website provide semester details for every paper.

Summer School

The University offers a Summer School from early January to mid-February each year. This gives students the opportunity to study one or two papers for credit over a shorter teaching period and outside the standard semester timetable.

Textbooks

Students buy their own textbooks. Costs vary from subject to subject, but many students spend more than $500 a year. Details of prescribed textbooks are available on the University Book Shop’s website: unibooks.co.nz.

Don’t rush out and buy every book on your list before you have found out what textbooks your lecturers intend to focus on. Second-hand textbooks can be bought at the beginning of the academic year.

Distance Learning

The University offers some papers and courses by distance study. Most distance-taught courses are postgraduate courses offered in subjects where the University has specific expertise. However, there are some papers and courses for undergraduate students, and there is a preparatory course in Chemistry called Introductory Chemistry.

Distance Learning undergraduate papers are offered in:

• Aquaculture and Fisheries (one 3rd year paper only)
• Chemistry
• Education
• Religious Studies and Sanskrit
• Social Work (3rd and 4th year papers only)
• Surveying
• Theology (Biblical Studies, Christian Thought and History, Hebrew, Pastoral Studies)
• Tourism.

Distance Learning qualifications:

• Bachelor of Theology

For a copy of the Distance Learning Prospectus, Tel 0800 80 80 98
Email university@otago.ac.nz
distancelearning@otago.ac.nz
The structure of your degree

Undergraduate courses at Otago can be divided into two main types:
- general degrees
- more specialised degrees and diplomas.

General degrees

- BAppSc: Bachelor of Applied Science
- BA: Bachelor of Arts
- BMedSc: Bachelor of Biomedical Sciences
- BCom: Bachelor of Commerce
- BA(Hons): Bachelor of Music
- BPA: Bachelor of Performing Arts
- BSc: Bachelor of Science
- BTheol: Bachelor of Theology

Specialised degrees

- BChB: Bachelor of Dental Surgery
- BDTech: Bachelor of Dental Technology
- LLB: Bachelor of Laws
- BMSc: Bachelor of Medical Laboratory Science
- MB ChB: Bachelor of Medicine and Surgery
- BOH: Bachelor of Oral Health
- BM: Bachelor of Medical Radiation Science
- BPharm: Bachelor of Pharmacy
- BPhysEd: Bachelor of Physical Education
- BPhysio: Bachelor of Physiotherapy
- BR: Bachelor of Radiation Therapy
- BSocWk: Bachelor of Social Work
- BSurv: Bachelor of Surveying
- BEd: Bachelor of Teaching (endorsed in Early Childhood Education, Primary Bilingual Education and Primary Education)

Double degrees and cross crediting

It is possible for students to take two degrees at the same time. This doesn’t mean you double your workload. You can count some papers twice, by studying them in one degree and cross crediting them to the other degree as well. This means you can complete two degrees in less time than if you had studied them separately.

Students can cross credit 126 points between two three-year degrees, so that 594 points are required instead of 720 to complete two three-year degrees such as a BA and a BSc. This takes between four and five years, depending on how many papers are passed each year.

You may cross credit 180 points between a four-year degree and a three-year degree (e.g. LLB and BSc, or BPhEd and BCom), saving two years and completing both degrees in five years instead of seven.

If you want to plan a double-degree course, seek advice from a course adviser, schools’ liaison officer, or staff in the Student Records Office of Student Administration.

Entry requirements for double-degree programmes are the same as for the individual degrees involved. If one of the degrees has restricted entry (e.g. BPhEd) then you still have to meet the entry requirement for that degree if you are taking it together with a general degree (e.g. BPhEd and BCom).

You do not have to enrol for a double-degree programme in your first year. Many students take a mixture of papers from two degrees in their first year (you are allowed to include some papers from another degree in your primary degree). You can then decide at the beginning of the second year whether or not to set up a double-degree structure.

Honours degrees and postgraduate study

Many students wish to take more than a standard bachelor’s degree in preparation for employment or further study.

Most bachelor’s degrees have an associated honours degree, with selective entry. The honours degrees associated with the general degrees are postgraduate qualifications, requiring a separate fourth year of study. The honours degrees associated with the specialised degrees are postgraduate qualifications in some cases (and so need a further year of study) but in other cases involve additional papers and a research project which are completed concurrently with the final one or two years of the standard programme.

Honours degrees are usually awarded at first-class or second-class level.

Most subjects also have a one-year postgraduate diploma programme or a two-year master’s degree programme.

If you have an honours degree or have already gained a postgraduate diploma, you can apply to take a one-year master’s programme, or you may even decide to go on to a Doctor of Philosophy (PhD) programme, which generally takes three years or more.

A useful qualification for graduates is the Diploma for Graduates (DipGrad), a one-year personalised selection of papers chosen to suit your particular needs.
Sample degree structures

Otago’s flexible degree structure means it is possible to combine most subjects, majors and degrees. An Otago schools’ liaison officer can help you plan the course you would like to take.

The following are examples of some possible degree and double-degree structures:

**SAMPLE DEGREE STRUCTURE FOR Bachelor of Commerce, BCom**

**MAJOR SUBJECT: Accounting, MINOR SUBJECT: Management**

<table>
<thead>
<tr>
<th>YEAR</th>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
<th>TOTAL POINTS</th>
</tr>
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<tbody>
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<td>1.</td>
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<td>2.</td>
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<td>3.</td>
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</table>

The BSNS papers listed above will be introduced in 2017, subject to final approval.

For BCom degree regulations see otago.ac.nz/courses/qualifications/bcom.html

**SAMPLE DEGREE STRUCTURE FOR Bachelor of Science, BSc**

**MAJOR SUBJECT: Genetics**

<table>
<thead>
<tr>
<th>YEAR</th>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
<th>TOTAL POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
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<tr>
<td>2.</td>
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<td>3.</td>
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</tbody>
</table>

The BSNS papers listed above will be introduced in 2017, subject to final approval.

For BSc degree regulations see otago.ac.nz/courses/qualifications/bsci.html
### Sample Double-Degree Structure for Bachelor of Laws and Bachelor of Arts, LLB, BA

#### Double Degree: LLB and BA
- MAJOR SUBJECT: Politics
- MINOR SUBJECT: Economics

1. **First Semester**
   - **Paper Code** | **Paper Name** | **Points**
   - BSNS 113 | Economic Principles and Policy | 18
   - LAWS 101 | The Legal System (Full year) | --
   - POLS 104 | International Relations – Introduction | 18
   - RELS 102 | Introduction to Hinduism and Buddhism | 18
   - **Total Points:** 126

2. **First Semester**
   - **Paper Code** | **Paper Name** | **Points**
   - LAWS 201 | Criminal Law (Full year) | --
   - LAWS 202 | Law of Contract (Full year) | --
   - LAWS 203 | Property Law (Full year) | --
   - LAWS 204 | Public Law (Full year) | --
   - **Total Points:** 120

3. **First Semester**
   - **Paper Code** | **Paper Name** | **Points**
   - ECON 112 | Principles of Economics 2 | 18
   - LAWS 101 | The Legal System (cont.) | 36
   - POLS 102 | New Zealand Politics – Introduction | 18
   - **Total Points:** 126

4. **Second Semester**
   - **Paper Code** | **Paper Name** | **Points**
   - LAWS 201 | Criminal Law (cont.) | 30
   - LAWS 202 | Law of Contract (cont.) | 30
   - LAWS 203 | Property Law (cont.) | 30
   - LAWS 204 | Public Law (cont.) | 30
   - **Total Points:** 120

5. **Second Semester**
   - **Paper Code** | **Paper Name** | **Points**
   - LAWS 301 | Law of Torts (Full year) | --
   - LAWS 302 | Jurisprudence (Full year) | --
   - POLS 208 | Democracy | 18
   - POLS 211 | Global Political Economy | 18
   - **Total Points:** 150

6. **First Semester**
   - **Paper Code** | **Paper Name** | **Points**
   - LAWS 311 | Family Law (Full year) | --
   - LAWS 312 | International Law (Full year) | --
   - LAWS 314 | Law of Evidence (Full year) | --
   - POLS 310 | Turkey and its Neighbours | 18
   - **Total Points:** 159

7. **Total Points:** 714

8. **Second Semester**
   - **Paper Code** | **Paper Name** | **Points**
   - ECON 112 | Principles of Economics 2 | 18
   - LAWS 101 | The Legal System (cont.) | 36
   - POLS 102 | New Zealand Politics – Introduction | 18
   - **Total Points:** 126

9. **Second Semester**
   - **Paper Code** | **Paper Name** | **Points**
   - LAWS 201 | Criminal Law (cont.) | 30
   - LAWS 202 | Law of Contract (cont.) | 30
   - LAWS 203 | Property Law (cont.) | 30
   - LAWS 204 | Public Law (cont.) | 30
   - **Total Points:** 120

10. **Second Semester**
    - **Paper Code** | **Paper Name** | **Points**
    - LAWS 301 | Law of Torts (cont.) | 30
    - LAWS 302 | Jurisprudence (cont.) | 30
    - POLS 211 | Global Political Economy | 18
    - **Total Points:** 150

11. **Second Semester**
    - **Paper Code** | **Paper Name** | **Points**
    - LAWS 311 | Family Law (cont.) | 30
    - LAWS 312 | International Law (cont.) | 30
    - LAWS 314 | Law of Evidence (cont.) | 30
    - POLS 310 | Turkey and its Neighbours | 18
    - **Total Points:** 159

12. **Total Points:** 714

13. **Grand Total:** 714

   (This includes point credits of 180 points between these degrees)
Subjects available

The following summary table lists subjects available to undergraduate (bachelor and diploma) students at the University of Otago.

The details of each subject are in the Subject Guide of this Prospectus, which lists each course and the 100-level paper details.

See pages 66 – 113 for the Subject Guide.

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>MAJOR</th>
<th>HONS DEGREE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>BCom</td>
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<tr>
<td>Accounting</td>
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<td>BSc</td>
</tr>
<tr>
<td>Anatomy</td>
<td>✔️  ✔️  ✔️</td>
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<td>Anthropology</td>
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<td>BAppSc</td>
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<td>Applied Geology</td>
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<td>BAppSc</td>
</tr>
<tr>
<td>Aquaculture and Fisheries</td>
<td>✔️  ✔️  ✔️</td>
<td>BAppSc</td>
</tr>
<tr>
<td>Archeology</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Art History and Theory</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Biblical Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BTheo*</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Biostatistics</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BSc</td>
</tr>
<tr>
<td>Botany</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
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<tr>
<td>Chemistry</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Chinese</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Christian Thought and History</td>
<td>✔️  ✔️  ✔️</td>
<td>BTheo*, BA</td>
</tr>
<tr>
<td>Classics</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Clothing and Textile Sciences</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc, BAppSc</td>
</tr>
<tr>
<td>Communication Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Computational Modelling</td>
<td>✔️  ✔️  ✔️</td>
<td>BAppSc</td>
</tr>
<tr>
<td>Computer Science</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BSc</td>
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<tr>
<td>Consumer Food Science</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Contemporary Music Performance</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BSc</td>
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<tr>
<td>Dance Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BSc, BPhEd, BCom</td>
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<td>Dental Technology</td>
<td>✔️  ✔️  ✔️</td>
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<td>Dentistry</td>
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<td>BDS</td>
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<tr>
<td>Design</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BCom, BSc</td>
</tr>
<tr>
<td>Design for Technology</td>
<td>✔️  ✔️  ✔️</td>
<td>BAppSc</td>
</tr>
</tbody>
</table>

KEY TO COLUMNS

YEAR 1: indicates that there are 100-level papers in this subject
MAJOR: indicates if you can major in this subject
HONS: indicates that an honours programme is available in this subject
DEGREE: indicates the degrees or diplomas in which this is a specialist subject

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>MAJOR</th>
<th>HONS DEGREE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drugs and Human Health</td>
<td>✔️  ✔️  ✔️</td>
<td>BBiomedSc</td>
</tr>
<tr>
<td>Earth and Ocean Science</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Ecology</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Economics</td>
<td>✔️  ✔️  ✔️</td>
<td>BCom, BA, BSc</td>
</tr>
<tr>
<td>Education</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Electronics</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Energy Management</td>
<td>✔️  ✔️  ✔️</td>
<td>BAppSc</td>
</tr>
<tr>
<td>Energy Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>English</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>English and Linguistics</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Environmental Management</td>
<td>✔️  ✔️  ✔️</td>
<td>BAppSc</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>European Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Exercise and Sport Science</td>
<td>✔️  ✔️  ✔️</td>
<td>BAppSc</td>
</tr>
<tr>
<td>Film and Media Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BAppSc</td>
</tr>
<tr>
<td>Finance</td>
<td>✔️  ✔️  ✔️</td>
<td>BCom</td>
</tr>
<tr>
<td>Food Science</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Forensic Analytical Science</td>
<td>✔️  ✔️  ✔️</td>
<td>BAppSc</td>
</tr>
<tr>
<td>French</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Functional Human Biology</td>
<td>✔️  ✔️  ✔️</td>
<td>BBiomedSc</td>
</tr>
<tr>
<td>Gender Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Genetics</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Geographic Information Systems</td>
<td>✔️  ✔️  ✔️</td>
<td>BAppSc</td>
</tr>
<tr>
<td>Geography</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BSc</td>
</tr>
<tr>
<td>Geology</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>German</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Greek</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Health Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BSc</td>
</tr>
<tr>
<td>Hebrew</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BTheo*</td>
</tr>
<tr>
<td>History</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Hospitality</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Human Nutrition</td>
<td>✔️  ✔️  ✔️</td>
<td>BCom</td>
</tr>
<tr>
<td>Indigenous Development</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Infection and Immunity</td>
<td>✔️  ✔️  ✔️</td>
<td>BBiomedSc</td>
</tr>
<tr>
<td>Information Science</td>
<td>✔️  ✔️  ✔️</td>
<td>BCom, BA, BSc</td>
</tr>
<tr>
<td>International Business</td>
<td>✔️  ✔️  ✔️</td>
<td>BCom</td>
</tr>
<tr>
<td>Irish Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Islamic Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Japanese</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Land Planning and Development</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Language and Linguistics</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Latin</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Law</td>
<td>✔️  ✔️  ✔️</td>
<td>LLB</td>
</tr>
<tr>
<td>Linguistics</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Management</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Marine Science</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Marketing Management</td>
<td>✔️  ✔️  ✔️</td>
<td>BCom</td>
</tr>
<tr>
<td>Mathematics</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BSc</td>
</tr>
<tr>
<td>Medical Laboratory Science</td>
<td>✔️  ✔️  ✔️</td>
<td>BMSc</td>
</tr>
<tr>
<td>Medicine</td>
<td>✔️  ✔️  ✔️</td>
<td>MB ChB</td>
</tr>
<tr>
<td>Microbiology</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Molecular Basis of Health and Disease</td>
<td>✔️  ✔️  ✔️</td>
<td>BBiomedSc</td>
</tr>
<tr>
<td>Molecular Biotechnology</td>
<td>✔️  ✔️  ✔️</td>
<td>BAppSc</td>
</tr>
<tr>
<td>Moral and Political Thought</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Music</td>
<td>✔️  ✔️  ✔️</td>
<td>BA, BmusB</td>
</tr>
<tr>
<td>Nautical Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Neuroscience</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>New Zealand Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Nutrition, Metabolism and Human Health</td>
<td>✔️  ✔️  ✔️</td>
<td>BBiomedSc</td>
</tr>
<tr>
<td>Oceanography</td>
<td>✔️  ✔️  ✔️</td>
<td>BSc</td>
</tr>
<tr>
<td>Oral Health</td>
<td>✔️  ✔️  ✔️</td>
<td>BCh</td>
</tr>
<tr>
<td>Pacific Islands Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BA</td>
</tr>
<tr>
<td>Pastoral Studies</td>
<td>✔️  ✔️  ✔️</td>
<td>BTheo*</td>
</tr>
</tbody>
</table>

*The BTheo degree has endorsements rather than major subjects.
Entrance and enrolling
Entrance requirements

To enrol at a New Zealand university you must meet minimum university entrance requirements:

- be at least 16 years old by the first day of classes in the semester you begin your study, and
- have qualified for entrance, and
- meet language requirements.

In order to be considered for entrance to the University of Otago you must gain university entrance by one of the following methods:

**Admission with NZ secondary school entrance qualifications**
- UE via NCEA Level 3
- University of Cambridge International Examinations (CIE)
- International Baccalaureate (IB)
- Other New Zealand secondary school qualifications
- Bursary or Scholarship Examination or Unit Standards

**Alternative methods of admission**
- Australian secondary school ranking
- A levels CIE or Edexcel
- International Baccalaureate (IB) taken overseas
- Other overseas qualifications

For more information on any of the methods mentioned above see: otago.ac.nz/study/entrance

Obtaining one of the university entrance qualifications above allows you to be considered for a place at university. As part of this consideration, to be selected you may also need to meet particular academic thresholds and other requirements that are in place for particular universities and/or qualifications.

It is important to be aware that these requirements are not necessarily the same for all qualifications and may differ between universities.

Admission to Otago

Depending on the qualification in which enrolment is being sought, first-year undergraduates (and those transferring to Otago from other universities) are considered via either the University's Entry Pathway system for general degree programmes (and some other programmes), or by selection criteria specific to some selective entry programmes.

**The Otago system**

An overview of the Otago selection system is provided below. Full details can be obtained by contacting one of the University’s liaison team, or online at otago.ac.nz/study/enrolment/entrypathways.html

The following information reflects the admission requirements for the 2016 enrolment year. The standards for 2017 will be confirmed in due course but are not expected to be significantly different from the 2016 standards. The Entry Pathway system also includes an enhanced admission system for Māori and Pacific applicants. Particular consideration may also be given to applications from prospective students with disabilities if they supply the relevant information on the form provided for that purpose, available on request.

The programmes subject to the Entry Pathways system are:

- Bachelor of Applied Science (BAppSc)
- Bachelor of Arts (BA)
- Bachelor of Biomedical Sciences (BBiomedSc)
- Bachelor of Commerce (BCom)
- Bachelor of Laws (LLB) (first year only)
- Bachelor of Music (Bmus)
- Bachelor of Performing Arts (BPA)
- Bachelor of Science (BSc)
- Bachelor of Theology (BTheol)
- Health Sciences First Year
- Social Work Pre-professional (BA)
- Surveying First Year
- Certificate of Proficiency (COP) for undergraduate papers
- Diploma in Language (Diplang) and Diploma in Language and Culture (DiplangC)
- other intermediate courses.

**Admission via Entry Pathways**

A university entrance qualification is essential for admission to the University. However, not all students with a university entrance qualification will necessarily be admitted.

Caps on the number of domestic students who can enrol in general bachelors' degrees exist with selection primarily based on academic merit. There are two pathways for admission to these programmes for new domestic undergraduate students (and certain students who have enrolled at Otago previously):

- Preferential Entry
- Competitive Entry

It is expected that the majority of students (apart from those applying for specialised bachelors' degree programmes, see page 118) admitted to Otago in 2017 will achieve entry via the Preferential Entry pathway. As long as enrolment patterns remain similar to previous years, a reasonable number of places will also be available via the Competitive Entry pathway.

Entry pathways do not apply to international students.
Preferential Entry

Preferential Entry guarantees a place at Otago for high-calibre students (other than those applying for Special Admission or Disciplinary Entrance), subject to gaining a university entrance qualification and fulfilling minimum age and language requirements.

You will qualify for Preferential Entry if you fulfil at least one of the following criteria:

• have, in Year 12 or earlier, achieved NCEA Level 2 awarded with merit or excellence
• have achieved an entry score of at least 140 points for NCEA Level 3 or have achieved NCEA Level 3 awarded with merit or excellence (see example on page 133)
• have achieved the International Baccalaureate Diploma with at least 20 points
• have achieved an entry score of at least 140 points for the Cambridge International Examinations (see example on page 131)
• have an Australian ATAR, TER, ENTER or UAI rank of 80 or above or an OP rank of 10 or below
• have accepted a place in a residential college owned by or affiliated to the University of Otago
• have accepted a University of Otago undergraduate scholarship
• are a recommencing Otago student, or a student transferring from another New Zealand university, or a student who has previously studied at an overseas university, with a Grade Point Average (GPA) of 4 (B+)
• have achieved a place at Otago (Second Semester)
• have a Māori applicant, or a Pacific applicant of Polynesian, Melanesian, or Micronesian descent, who has not previously studied at a tertiary institution but who holds or is studying towards a New Zealand university entrance qualification.

In addition, you need to have applied to the University by:

• 10 December 2016 (for study commencing in the Summer School or first semester), or
• 15 June 2017 (for study commencing in the second semester).

Preferential entry automatically converts to a guaranteed place at Otago when you also meet university entrance requirements (including minimum age and language requirements).

Many who do not have Preferential Entry when they first apply may qualify later when their examination results become available or they accept a place in a residential college.

Some students may hold a university entrance qualification and meet one of the Preferential Entry criteria at the time of application. For such students a place at Otago is immediately guaranteed.

Competitive Entry

New and recommencing students who do not gain Preferential Entry and are applying to a general degree programme in 2017 will be placed on the Competitive Entry pathway. Competitive Entry students will be assessed and ranked according to academic performance and other relevant criteria, and offered places in order of priority, subject to the availability of places in their nominated programmes.

It is expected that the majority of students who are initially placed on the Competitive Entry pathway will subsequently meet the criteria for Preferential Entry. Such students will then be transferred to the Preferential Entry pathway. Students who apply after 10 December 2016 will automatically be assessed to the Competitive Entry pathway.

Applications for admission via Special Admission or Disciplinary Entrance will be considered under the Competitive Entry pathway.

In every student’s case, admission will be subject to meeting university entrance and minimum age and language requirements.

The system does not apply to postgraduate students, international students, or students who have accepted places in programmes that have their own selective entry regulations.

An example of an entry score for an NCEA Level 3 student

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>20</td>
<td>4</td>
</tr>
<tr>
<td>History</td>
<td>20</td>
<td>4</td>
</tr>
<tr>
<td>Physics</td>
<td>20</td>
<td>4</td>
</tr>
<tr>
<td>Biology</td>
<td>20</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry</td>
<td>20</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics</td>
<td>20</td>
<td>4</td>
</tr>
<tr>
<td>French</td>
<td>20</td>
<td>nil*</td>
</tr>
</tbody>
</table>

Entry score: 180

Note: Excellence and Merit credits are counted first, then Achieved credits as required to a maximum of 80 credits up to five approved subjects.

In this example, only 62 of the achieved credits may be counted.

otago.ac.nz/study/enrolment/otago013543.html

Preferential Entry requirement from CIE

The entry score requirement for Preferential Entry for the applicable undergraduate programmes from CIE is 140 points. Scores that do not meet this requirement will be considered for Competitive Entry.

How to calculate a CIE entry score

Your entry score will be calculated on the basis of your UCAS Tariff score.

You can count no more than six subject units over the last two years of study, in subjects at AS, A2 or a Level from subjects equivalent to the NCEA University Entrance approved subjects.

A CIE entry score may differ from the UCAS Tariff used for University Entrance because only subjects equivalent to NCEA approved subjects are considered for ranking.

An A level counts as two subject units and an AS level counts as one subject unit. Students can include only their six best subject units when calculating their entry score.

An entry score will be calculated by awarding points as follows:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Level</th>
<th>Subject units</th>
<th>Grade</th>
<th>Tariff points</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>A</td>
<td>2</td>
<td>4</td>
<td>60</td>
</tr>
<tr>
<td>Physics</td>
<td>A</td>
<td>2</td>
<td>4</td>
<td>60</td>
</tr>
<tr>
<td>Biology</td>
<td>A</td>
<td>2</td>
<td>4</td>
<td>60</td>
</tr>
<tr>
<td>Chemistry</td>
<td>A</td>
<td>2</td>
<td>4</td>
<td>60</td>
</tr>
<tr>
<td>Mathematics</td>
<td>A</td>
<td>2</td>
<td>4</td>
<td>60</td>
</tr>
<tr>
<td>French</td>
<td>A</td>
<td>2</td>
<td>4</td>
<td>60</td>
</tr>
</tbody>
</table>

Entry score: 180

* Note: In this example, French is not included as only 6 subject units may be used to calculate the entry score.

While all reasonable efforts have been made to ensure that the information contained herein is correct at the time of going to press, matters covered by this publication are subject to change. The University reserves the right to introduce changes (including addition, withdrawal or restructuring of papers and programmes) as it may judge to be necessary or desirable, and to establish limitations on enrolment where necessary to restrict student numbers. Places for students in second semester may be further limited due to availability.
Enrolment

Enrolling at Otago is a four-step process:
1. Things to consider
   - Are you eligible for admission to the University?
   - What, where and when do you intend to study?
   - What are the entry requirements of the programme?
   - What are the application due dates?
2. Application
   - Create your eVision account and complete and submit your application
   - University admission
   - Programme admission
3. Course enrolment
   - Provide annual details
   - Select your papers
   - Course approval
   - Declaration
4. Payment of fees

The University uses an online system called eVision to handle application and enrolment. You’ll use eVision as you apply to the University and enrol for your course.

Further information is available from
otago.ac.nz/study/enrolment

Late enrolment
While late enrolments may be accepted, we recommend enrolling in your chosen programme(s) as soon as you can. Late fees may apply where late enrolment is accepted.

Course advice
Course advice is a chance to talk through your course of study, and is available at any time throughout the year, or during your studies.

Transferring from other universities
If you are or have been enrolled at another university and wish to transfer to Otago, you enrol in the same way as first-year students but you must also send an officially certified transcript (academic record), including any results for 2016, when you apply. You may apply to have work successfully completed at another university credited to your degree programme at Otago. You will be able to apply for credit via your eVision portal once you have been offered a place at Otago.

Australian students
Australian students living and studying in New Zealand are classified as domestic students rather than international students. They therefore pay the same fees as New Zealanders but are not necessarily entitled to Government student loans, allowances or health care.

Australian applications are assessed for admission on the basis of their Australian qualifications and, where relevant, are subject to the Entry Pathway system.

For information on entrance requirements: Freephone 1 800 468 246 (Australia)
Email uolcfy@otago.ac.nz
otago.ac.nz/australian-students

University of Otago Language Centre

The University of Otago Language Centre offers comprehensive English language tuition for international students and a wide selection of courses including non-IELTS pathways to university study.

Courses include General English, preparation for IELTS, TOEFL iBT and TOEIC examinations, English for Academic Purposes, English for Study Groups, English for Teachers, non-IELTS pathways to Foundation Year, and the premium programme, English for Otago, which meets English language requirements for undergraduate and postgraduate study at the University of Otago.

The Language Centre is also the only registered examination centre south of Christchurch for the International English Language Testing System (IELTS), Cambridge Mainstream, Internet-based Test of English as a Foreign Language (TOEFL iBT) and Test of English for International Communication (TOEIC) examinations.

The Language Centre welcomes students from over 20 countries and features small classes of no more than 18 students. Individual attention is given to improve specific skills, and weekly social, cultural and sporting activities are organised to help students make friends and practice their English.

Students have access to University resources including libraries, 24-hour computer suites, student health, Unipol, and clubs and societies. The Language Centre provides access to a multimedia language laboratory, an independent learning centre, a computer suite for internet and email access, an internet cafe and a student common room.

Student support officers provide assistance with any issues, and an accommodation officer helps students find quality homes. The Language Centre is located in the newest building on campus, which is part of the University Plaza at Forsyth Barr Stadium.

For information on entrance requirements: Freephone 1 800 468 246 (Australia)
Email uolcfy@otago.ac.nz
otago.ac.nz/australian-students

University of Otago Foundation Year

The University of Otago Foundation Year prepares international students, permanent residents and New Zealanders for all undergraduate degrees at Otago. Our academic streams are designed to help students prepare for, and gain the knowledge they will need for, successful undergraduate study. There are students from over 25 different countries.

Five streams are available: Arts, Applied Science, Commerce/Business, Health Science and Life Science. Bridging courses into these streams are also available.

Students are taught in lecture theatres and laboratories right on campus ensuring they feel confident and familiar with the University environment. Students will learn how to work and study independently and in small groups, and will develop communication, time-management and problem-solving skills.

One-on-one consultation times are offered with assistance from teachers regarding learning new information and study skills.

Academic advice on future study pathways and career planning is also offered in addition to full student-support services/activities and a comprehensive introduction to study and living in Dunedin, including a homestay placement service.

A student ID card gives access to University of Otago resources including libraries, 24-hour computer suites, student health, Unipol, clubs and societies, and discounts at cafes, and on shopping, entertainment and travel.

Professional student support officers provide assistance with visa issues and any questions.

After completing Foundation Year to the required standard, students are guaranteed a place on the University of Otago first year courses for which they have prepared.

For mature students it is an opportunity to explore options for further study, particularly if students require an introduction to the skills needed for academic study at university level.

Foundation Year has three intakes per year:
- February, June and October.

Further information:
Tel: 64 3 479 5250
Fax 64 3 479 5251
Email uolcfy@otago.ac.nz
otago.ac.nz/australian-students

Schools

The University of Otago Language Centre

School of Arts
School of Business
School of Computing and Mathematical Sciences
School of Education
School of Engineering
School of Environment
School of Health Sciences
School of Law
School of Pharmacy
School of Psychology
School of Science
School of Veterinary Science
School ofwrap
How much will it cost?

Details of University of Otago domestic fees for 2017 will be available in November/December 2016. The 2016 Tuition Fee and Student Services Fee bands on this page give students an idea of what they might expect to pay but these figures may change for 2017.

Note: These figures are the fees payable for an average one-year course of study (1.0 EFTS) in the specified subject categories. The fee bands are GST inclusive and apply to New Zealand citizens and permanent residents. (Please note: Permanent residents must be resident in New Zealand for the duration of their course to be eligible to pay the domestic fee rate.) Your annual fee will depend on what papers you take and the fee band to which they belong.

Note: Tuition fees information for international students is available online: otago.ac.nz/international

Fees

2016 undergraduate domestic tuition fee bands for subject categories

<table>
<thead>
<tr>
<th>Service</th>
<th>(GST incl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts, Languages, Theology, Mathematics, Education</td>
<td>$5,568.00</td>
</tr>
<tr>
<td>Business, Teaching</td>
<td>$5,317.00</td>
</tr>
<tr>
<td>Law</td>
<td>$6,211.00</td>
</tr>
<tr>
<td>Sciences, Computer Science, Geography, Information Sciences, Music</td>
<td>$6,654.00</td>
</tr>
<tr>
<td>Health Sciences (1.0 EFTS), Pharmacy, Surveying</td>
<td>$7,692.00</td>
</tr>
<tr>
<td>Physical Education</td>
<td>$6,654.00 - $7,692.00</td>
</tr>
<tr>
<td>Physiotherapy - Years 2 to 3 inclusive</td>
<td>$6,654.00</td>
</tr>
<tr>
<td>Physiotherapy - Year 4</td>
<td>$7,765.00</td>
</tr>
<tr>
<td>Medicine, Dentistry - Year 2 onwards</td>
<td>$14,791.00</td>
</tr>
</tbody>
</table>

Student services fee (based on 2016)

<table>
<thead>
<tr>
<th>Service</th>
<th>(GST incl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advocacy and legal advice</td>
<td>$65.97</td>
</tr>
<tr>
<td>Careers information, advice and guidance</td>
<td>$38.13</td>
</tr>
<tr>
<td>Counselling Services (including Accommodation and Chaplaincy)</td>
<td>$28.27</td>
</tr>
<tr>
<td>Financial support and advice</td>
<td>$1.43</td>
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<tr>
<td>Health Services</td>
<td>$243.93</td>
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<td>Media</td>
<td>$39.79</td>
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<tr>
<td>Childcare Services</td>
<td>$6.74</td>
</tr>
<tr>
<td>Sports and Recreation Services facilities (including internet)</td>
<td>$307.84</td>
</tr>
</tbody>
</table>

TOTAL | $782.00 |

Some services are provided by the University, and others are purchased from contracted third parties which include OUSA.

Loans and allowances

StudyLink processes student loans and allowances on behalf of the Ministry of Social Development.

Contact StudyLink for information and application material at: studylink.govt.nz

The major scholarships for students attending the University for the first time in 2017 are listed below. There is also an online searchable database of all currently available scholarships, including additional scholarships for study in particular disciplines or for particular groups of students. Full details are available at otago.ac.nz/scholarships or by calling 0800 80 80 98.

University of Otago scholarships

Academic Excellence Scholarships

(Up to $45,000 towards tuition fees, accommodation and living expenses across three years)

Established by the University of Otago in 2011 to assist undergraduate students who have demonstrated outstanding academic potential and leadership capabilities. Three additional named academic excellence scholarships are made available through the B & E Sefelye Trust. Applications close 15 August.

Māori and Pacific Peoples’ Entrance Scholarships

($10,000 towards first-year tuition fees and/or accommodation)

Established by the University of Otago in 2005 to celebrate academic excellence and cultural diversity, these scholarships are intended to encourage the progression of Māori and Pacific Islands students into tertiary study. Applications close 15 August.

Leaders of Tomorrow Scholarships

($6,000 towards first-year tuition fees or accommodation)

Established in 2006 to assist students who have demonstrated all-round ability and who exhibit leadership potential to attend the University of Otago. Applications close 15 August.

Performance Scholarships

($6,000 towards first-year tuition fees or accommodation with an additional $5,000 per annum for the duration of an undergraduate degree programme in Sciences)

Established in 2006 by the Division of Sciences to encourage high-achieving students to enrol in undergraduate degree programmes in Sciences at the University of Otago. Applications close 10 December.

New Frontiers Scholarships

($2,500 toward tuition fees or accommodation for students who attain excellence at either Level 2 or Level 3 NCEA. $5,000 toward tuition fees or accommodation for students who attain excellence at both Level 2 and Level 3 NCEA)

Established in 2015 to recognise academic excellence in secondary school study for students who have achieved Level 2 or Level 3 NCEA endorsed with excellence. Equivalent grades for international qualifications are also recognised. Applications close 6 March.

Dux Scholarships

(Up to $6,000 towards first-year tuition fees or accommodation. The enrolment varies dependent on other entrance scholarships held by the student)

The Dux of every secondary school in New Zealand is eligible for this scholarship. The scholarship is payable towards the costs of a residential college or tuition fees for the first year of study at the University of Otago.

Dux of every secondary school in New Zealand is eligible for this scholarship. The scholarship is payable towards the costs of a residential college or tuition fees for the first year of study at the University of Otago.

Excellence Scholarships

(Up to $6,000 towards first-year tuition fees or accommodation)

Established by the University of Otago in 2011 to assist undergraduate students who have demonstrated outstanding academic potential and leadership capabilities. Three additional named academic excellence scholarships are made available through the B & E Sefelye Trust. Applications close 15 August.

 geological sciences

$65.97
$39.79
$6.74
$307.84
$782.00

Some services are provided by the University, and others are purchased from contracted third parties which include OUSA.
First contacts

Otago’s schools’ liaison officers may be your first contact with the University. They provide interested students with information and advice about courses and life at Otago.

They are experienced and qualified educationalists with first-hand knowledge of the University and Dunedin so if you have any questions, they’re some of the best people to ask. Look out for them at your school and careers events or contact them at their offices.

Auckland
Mike Wilson, Head of Schools’ Liaison, leads the liaison team and is based in the Auckland Centre at 365 Queen Street, along with Victoria Gimblett and Hayley Nicholson who visit schools in the central and upper North Island.

Liaison’s Kaitakawanga Māori, the Māori Liaison Officer, also visits central and upper North Island schools encouraging and supporting young rangatahi to further their education, particularly to study at university.

Elisabeth Deegrimm supports the Auckland team.

Tel 09 373 9704
Email auckland.liaison@otago.ac.nz

Wellington
Cheryl Caldwell and Prajesh Chhanabhai are based in the Wellington city office, serving schools in the lower North Island and Nelson, Marlborough and Christchurch.

Tel 04 460 9805
Email wellington.liaison@otago.ac.nz

Dunedin
Sandra Spence is on campus in Dunedin and visits Otago, Southland, Canterbury and West Coast schools, supported by Viv Hepburn.

Tel 03 479 8247
Email liaison@otago.ac.nz

Kaitakawaeka Māori / Māori Community Liaison Officer
Frank Edwards is based in the Māori Centre on Dunedin campus and visits secondary schools and Whare Kura by arrangement in the Otago and Southland region. Frank also attends career expos, community education events, iwi forums and Hui a-Tau to meet with iwi Māori, rangatahi and whānau.

Tel 03 479 8505
Email frank.edwards@otago.ac.nz

Pacific Islands Community Liaison Officer
Christine Anesone sits within the Pacific Islands Centre on Dunedin campus and visits Auckland, Wellington and Christchurch to meet with the Pacific community, church groups, secondary students and their families.

Tel 03 479 4861
Email christine.anesone@otago.ac.nz

Events and promotions
For information regarding expos and careers forums, including Otago’s annual on-campus Dunedin Tertiary Information Day, please contact:

promos.nz@otago.ac.nz (enquiries from New Zealand)
promos.au@otago.ac.nz (enquiries from Australia)

Help lines
Teachers can call 0800 80 12 12 with queries or requirements.

For additional copies of this Prospectus:
Tel 0800 80 80 98 or txt 866
or visit otago.ac.nz
Tel 1800 468 246 (Australia)

Social networks
To find out about life at Otago you can also follow us on:

facebook.com/UOliaison
twitter.com/otago
youtube.com/OtagoUniversity
Enrolment and accommodation

The Guide to Enrolment, with paper and programme details, is available at all secondary schools from early August each year. Copies can also be ordered from:

otago.ac.nz/request-info

Applications for accommodation can be made online from August at:

otago.ac.nz/about/accommodation

Applications for accommodation can be made online from August at:

otago.ac.nz/about/accommodation

Make the most of a late start

Mature students (students over 20) who are considering enrolling for the first time, or who are returning to university study after a lengthy absence can make an appointment with a Liaison Officer to discuss the enrolment process, degree structure, and student facilities and services.

Contact:
Schools’ Liaison Office
Email liaison@otago.ac.nz
Email auckland.liaison@otago.ac.nz
Email wellington.liaison@otago.ac.nz

UniStart @ Otago

This three-hour new-skills workshop is designed particularly for those who left formal education some time ago and are new to university and tertiary study.

The workshop, which is held in February, includes topics such as:

• surviving the first few weeks
• using technology
• note-taking and finding information
• managing the first assignment
• balancing life and study
• a campus tour.

The workshop will be followed up with a one-hour session in weeks 2–7 to support your integration into university life at Otago.

For further information contact:
The Student Learning Centre
Tel 03 479 5786
Email student-learning-centre@otago.ac.nz

Here are a few extra things you’ll find handy to know:

Important dates

For the remainder of 2016

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>1 August</td>
<td>Residential college applications open online</td>
</tr>
<tr>
<td>15 August</td>
<td>Applications due for main University of Otago Entrance Scholarships</td>
</tr>
<tr>
<td>29 August</td>
<td>Applications due for Teacher Education programmes (late applications considered)</td>
</tr>
<tr>
<td>1 September</td>
<td>Applications due for Music performance papers</td>
</tr>
<tr>
<td>15 September</td>
<td>Applications due for Bachelor of Radiation Therapy, Bachelor of Oral Health and Bachelor of Dental Technology programmes</td>
</tr>
<tr>
<td>30 September</td>
<td>Applications for a place in a residential college should be submitted</td>
</tr>
<tr>
<td>1 October</td>
<td>International student applications due</td>
</tr>
<tr>
<td>10 December</td>
<td>Applications due for Bachelor of Physical Education programme (late applications considered)</td>
</tr>
<tr>
<td></td>
<td>Applications due for Dux scholarship and Frontiers of Science scholarship</td>
</tr>
<tr>
<td></td>
<td>Closing date for application for all new and recommencing students taking Summer School, first semester or full-year papers or courses, and for returning students taking Summer School papers</td>
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2017

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>9 January</td>
<td>Summer School begins</td>
</tr>
<tr>
<td>15 January</td>
<td>Due date for submission of papers for course approval by students taking first semester and full-year papers</td>
</tr>
<tr>
<td>18 February</td>
<td>Summer School examinations begin</td>
</tr>
<tr>
<td>20 February</td>
<td>Orientation week begins</td>
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<tr>
<td>23 February</td>
<td>Course advice day</td>
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<td></td>
<td>Summer School examinations end</td>
</tr>
<tr>
<td>24 February</td>
<td>Preliminary lectures held</td>
</tr>
<tr>
<td>27 February</td>
<td>First semester begins</td>
</tr>
<tr>
<td>14 April</td>
<td>Mid-semester break begins</td>
</tr>
<tr>
<td>24 April</td>
<td>First semester resumes</td>
</tr>
<tr>
<td>7 June</td>
<td>Mid-year examinations begin</td>
</tr>
<tr>
<td>15 June</td>
<td>Applications due from students taking only second semester papers or courses</td>
</tr>
<tr>
<td>21 June</td>
<td>Mid-year examinations end</td>
</tr>
<tr>
<td>5 July</td>
<td>Second semester course advice day</td>
</tr>
<tr>
<td>10 July</td>
<td>Second semester begins</td>
</tr>
<tr>
<td>26 August</td>
<td>Mid-semester break begins</td>
</tr>
<tr>
<td>4 September</td>
<td>Second semester resumes</td>
</tr>
<tr>
<td>18 October</td>
<td>End of year examinations begin</td>
</tr>
<tr>
<td>11 November</td>
<td>End of year examinations end</td>
</tr>
</tbody>
</table>

Applications for a place in a residential college should be submitted

Applications for accommodation can be made online from August at:

otago.ac.nz/about/accommodation

Applications for accommodation can be made online from August at:

otago.ac.nz/about/accommodation
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<tr>
<td>Anatomy</td>
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<td>Anthropology and Archaeology</td>
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<td>Applied Geology</td>
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<td>Applied Science</td>
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<td>Aquaculture &amp; Fisheries</td>
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<td>Art History &amp; Visual Culture</td>
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<td>Asian Studies</td>
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<td>Biblical Studies</td>
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<tr>
<td>Chemistry</td>
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<td>Chem 150 - Concepts in Chemistry</td>
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<td>Engineering (Intermediate)</td>
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<td>Entrepreneurship</td>
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<td>Film and Media Studies</td>
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<td>Finance</td>
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<td>Forensic Analytical Science</td>
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<td><strong>G</strong></td>
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<td>Gender Studies</td>
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<td>Genetics</td>
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<td>Geographic Information Systems</td>
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<td>Greek</td>
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<td><strong>H</strong></td>
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<td>Health Sciences First Year</td>
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<td>History</td>
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<td>Human Nutrition</td>
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<td>Human Services Law</td>
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<td><strong>I</strong></td>
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<td>Immunology</td>
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<td>Indigenous Development</td>
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<td>He Kura Matanui</td>
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<tr>
<td>Information Science</td>
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<tr>
<td>International Business</td>
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<td><strong>J</strong></td>
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<tr>
<td>Japanese Studies</td>
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<td><strong>K</strong></td>
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<tr>
<td>Land Planning and Development</td>
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<tr>
<td>Language and Linguistics (see Linguistics)</td>
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<tr>
<td>Languages</td>
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<tr>
<td>Latin</td>
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<tr>
<td>Law</td>
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<td>Management</td>
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<td>Maori Studies - Te Tumu</td>
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<td>Marine Science</td>
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<td>Natural History Filmmaking and Communication</td>
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<td>Neuroscience</td>
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<td>Pacific Islands Studies</td>
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<td>Performing Arts</td>
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<td>Pharmacology and Toxicology</td>
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<td>Pharmacy</td>
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<td>Philosophy</td>
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<td>Philosophy, Politics and Economics</td>
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<td>Physical Activity and Health</td>
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<td>Physiotherapy</td>
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<td>Toxicology</td>
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Dunedin Map

K Speight’s Brewery
J St Paul’s Cathedral / Municipal Chambers
I Visitor Information Centre
H Octagon
G First Church
F Railway Station
E Shopping Malls
D Hospital
C Forsyth Barr Stadium
B Otago Museum

Places of Interest
– Scott/Shand House
20 Pacific Islands Centre
10 Māori Centre – Te Huka Mātauraka
21 International Office – Archway West Building
23 Information Services Building / Central Library
19 Hocken Collections and Unipol
22 Clubs and Societies Centre (OUSA)
13 Clocktower – Registry Building
11 Accommodation Services

Campus Facilities
17 University College – 315 Leith Walk
7 Toroa College – 8 Regent Rd
9 Selwyn College – 560 Castle St
16 St Margaret’s College – 333 Leith St
8 Cumberland College – 250 Castle St
4 City College – 911 Cumberland St
6 Carrington College – 57 Heriot Row
14 Arana College – 110 Clyde St
1 Aquinas College – 74 Gladstone Rd
5 Abbey College (postgraduate) – 900 Cumberland St

Residential Colleges

Map Legend
University of Otago buildings
Entrance to the University of Otago (corner of St David and Cumberland St)
Places of interest
One-way traffic

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