



THE UNIVERSITY OF  
**AUCKLAND**  
Te Whare Wānanga o Tāmaki Makaurau  
NEW ZEALAND

# Medical and Health Sciences

## Undergraduate Prospectus 2021

Medical Sciences | Medicine | Medical Imaging | Nursing |  
Optometry and Vision Science | Pharmacy | Population Health



**No 1**  
New Zealand  
university\*



**No 1**  
Global  
Reputation\*\*



**No 1**  
In New Zealand  
for Employability\*\*\*



## Welcome to the Faculty of Medical and Health Sciences

Māori and Pacific at our faculty	3
Why study with us?	4
Clinical programmes – Stage II entry	5
Health Sciences	6
Hikitia Te Ora – Certificate in Health Sciences	7
Nursing	8
Biomedical Science	10
Medicine	12
Medical Imaging	15
Optometry	16
Pharmacy	19
Conjoint programmes	20
International opportunities	21
How do you get in?	22

# Welcome to the Faculty of Medical and Health Sciences

If you are thinking of a career in medical and health sciences, we can provide you with the foundations for a rewarding career. We offer qualifications and pathways to help you prepare for almost any health career.

As a student here, you will benefit from academic, professional and research staff who are at the forefront of their fields. Many of our staff have contributed to significant discoveries in modern medicine, and our graduates are employed in some of the world's best hospitals, medical centres, laboratories and biotech companies.

Our teaching is professional, engaging and delivered in a range of modern facilities, including laboratories, lecture theatres, mock hospital rooms, and our world-class Auckland Medical Research Foundation (AMRF) Medical Sciences Learning Centre – Whakaaro Pai, to offer our students the best learning experience. Since our beginnings in 1968, we have become internationally recognised as a comprehensive health sciences faculty, with over 1000 staff and 4500 students across fields such as Health Promotion and Management, Medical Science, Medicine, Nursing, Optometry, Public Health, Pharmacy and so much more.

The Faculty of Medical and Health Sciences plays a significant role in making the University of Auckland New Zealand's premier university, ranked in the top 100 in the world\* (TimeHE 2020)

Join us in 2021, become part of a welcoming and supportive family and be part of an active student body.

This prospectus is a guide to the undergraduate study options offered through our six schools: Medicine, Medical Sciences, Nursing, Optometry and Vision Science, Pharmacy and Population Health.

Explore our prospectus and visit our website to learn about the options. I very much look forward to welcoming you in 2021.



PROFESSOR JOHN FRASER  
Dean, Faculty of Medical and Health Sciences  
The University of Auckland

#### Cover attributions

\*Times Higher Education and QS World University Ranking 2020

\*\*QS World Rankings Academic and Employer Reputation, number one in NZ 2019

\*\*\*QS Graduate Employability Ranking 2019



# Māori and Pacific at our faculty

**E ngā waka, e ngā mana, e rau rangatira mā. Tēnā rā koutou katoa.**

**Malo e lelei, kia orana, talofa lava, fakaalofa lahi atu, ni sa bula, taloha ni, halo olaketa, ia orana, kam na mauri.**

**Whaia te pae tawhiti kia tata whakamaua te pae tata kia tīna.**

**Reach for the distant horizons and hold fast to those that you attain.**

Welcome to the Faculty of Medical and Health Sciences (FMHS) at the University of Auckland. Through our Vision 20:20 initiative, we are aiming to change the face of the health workforce by increasing the number of Māori and Pacific health professionals.



**E ngā mana, e ngā reo, e ngā hau e whā, tēnā koutou katoa.**

Vision 20:20 has three components coordinated by Te Kupenga Hauora Māori (Department of Māori Health): Māori and Pacific Admission Scheme (MAPAS), Hikitia Te Ora – Certificate in Health Sciences (CertHSc) and the Whakapiki Ake Project (WAP).

We offer a faculty that is committed to helping Māori and Pacific students find the right pathway for their health career development and a learning environment that supports their all-round success.

PROFESSOR PAPAARANGI REID (Te Rarawa)  
Tumuaki



**Fakalofa lahi atu, Talofa lava, Malo e lelei, Malo ni, Bula Vinaka, Kia orana and Kia ora.**

I am delighted to add my welcome to that of the Tumuaki and Dean of the Faculty of Medical and Health Sciences. We are building a learning environment that will become the preferred place to study for a career in health in New Zealand, the Pacific and beyond.

I look forward to meeting you should you choose to study at the University of Auckland

ASSOCIATE PROFESSOR COLLIN TUKUITONGA  
Associate Dean (Pacific)

## Vision 20:20 initiative

### The Whakapiki Ake Project (WAP)

#### Māori Recruitment

The Whakapiki Ake Project (WAP) is a recruitment programme that actively engages with rangatahi Māori enrolled in secondary schools. We promote health as a career and encourage Māori and Pacific students to enter the Faculty of Medical and Health Sciences (FMHS) professional programmes. WAP offers exposure to health career options, assistance for students to apply to FMHS and some financial support for successful applicants.

### Hikitia Te Ora – Certificate in Health Sciences (CertHSc)

#### Foundation programme

The Certificate in Health Sciences is a one-year foundation programme that prepares Māori and Pacific students for tertiary study in health. We focus on academic and science literacy, including chemistry, physics, biology, mathematics and population health, all of which are necessary for success in First Year courses taught in the FMHS.

### Māori and Pacific Admission Scheme (MAPAS)

#### Admission/Retention/Academic and Pastoral Support

MAPAS is a programme that provides support with admission, academic and pastoral support for current and prospective Māori and Pacific students within the Faculty of Medical and Health Sciences. Our goal is to support the transition and retention of MAPAS students while on their cultural and academic journey, helping them to successfully complete and graduate.

# Why study with us?

The University of Auckland is New Zealand's leading university. It is the only NZ university ranked in the top 100 in the QS World University Rankings.\* It is also the highest ranked New Zealand university in the Times Higher Education World University Rankings.\*\*

## Career opportunities

Health is a rewarding field to work in, with a wide variety of career options. We offer undergraduate degrees in Health Sciences, Medical Imaging, Medicine, Nursing, Optometry and Pharmacy. We also teach Medical Sciences courses under majors or specialisations in Biomedical Science, Pharmacology and Physiology. We also have foundation courses that support entry into our programmes.

## Exceptional teaching, research and people

We are a research-led university. Our faculty's lecturers and professors are internationally renowned, frequently directing global research

projects designed to better people's lives in New Zealand and around the world. Our research programmes keep our faculty at the forefront of modern medicine and ensure that our teaching is relevant, informed and current.

## Partnerships in the health sector

We work closely with district health boards and with other health organisations across New Zealand. This ensures that you learn from teachers with both knowledge and experience in the New Zealand health system. These same partners offer our graduates opportunities to make positive and informed decisions about future careers upon graduation.

## World-class facilities

Teaching and research facilities at our Grafton Campus are world-class, and we offer all our students a full digitally connected learning environment. Our Auckland Medical Research Foundation (AMRF) Medical Sciences Learning Centre Whakaaro Pai is an extensive and valuable educational resource for our students.

[www.fmhs.auckland.ac.nz/medical-sciences-learning-centre](http://www.fmhs.auckland.ac.nz/medical-sciences-learning-centre)

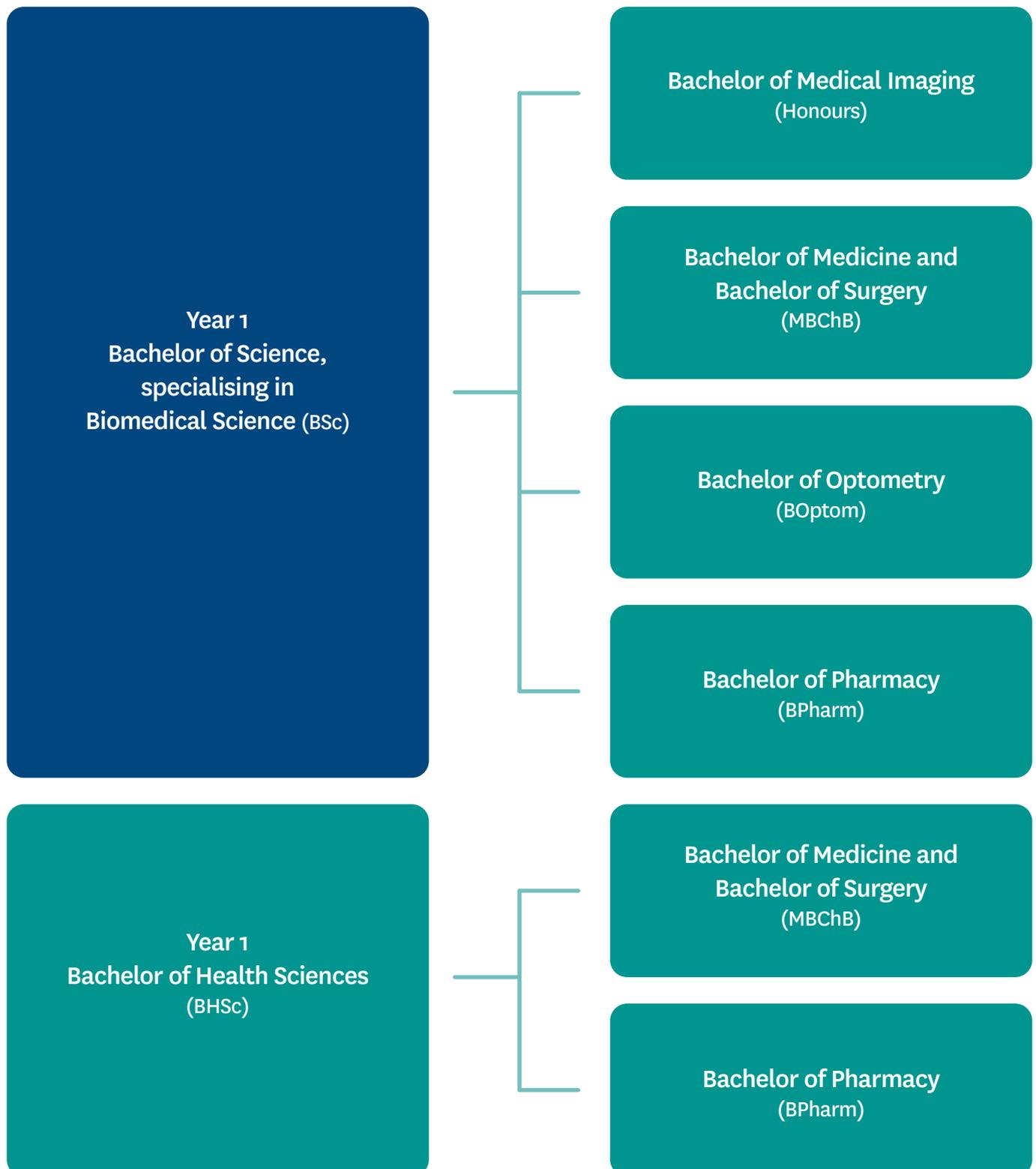
\* [www.topuniversities.com](http://www.topuniversities.com)

\*\* [www.timeshighereducation.com](http://www.timeshighereducation.com)



# Clinical programmes – Stage II entry

The clinical programmes Medicine, Medical Imaging, Optometry and Pharmacy are not available for school leavers to enter directly. First you must have completed Year 1 in another, approved programme and be selected for entry.



If you have previously studied or are studying at another university and want to enquire about entry into a clinical programme, please contact our Student Centre. (See back cover for contact details.) Alternatively, view the entry requirements on the programme page of the website.

# Bachelor of Health Sciences (BHSc)

This non-clinical programme programme focuses on public health concepts such as socio-economic and behavioural factors affecting health and health provision. The BHSc helps prepare you for a wide range of health-related careers.

## Quick facts – BHSc

**Full-time:** 3 years

**Points per degree:** 360

**Taught at:** Grafton Campus and City Campus

**Application closing date:** 8 December 2020

**Classes start:** 1 March 2021

**Conjoint combinations:** Advanced Science (Honours), Arts, Commerce, Design, Global Studies, Law, Nursing, Science.

## Highlights

- A pathway into undergraduate clinical programmes in Medicine and Pharmacy
- A third-year work placement with a health employer

## What you'll be studying

In the first year you will focus on the health of populations, with courses such as Health and Society, Health Systems, and Population Health.

In the second year and beyond you will complete a number of core courses and select from a range of optional courses to focus your degree. (Topics include Māori Health and Practice, Health and Pacific People in New Zealand, Health in Asian Communities, Health Care Ethics, Research Methods, Health Informatics, Health Promotion, Addiction, Nutrition and Environmental Health.)

## Where can it lead?

The Bachelor of Health Sciences opens up a range of exciting job opportunities in the health

and social sectors, including policy analyst, health service manager, health promoter, health researcher, business development manager, health economist, health informatician, community addictions counsellor, population nutrition specialist, health protection officer and more.

The BHSc may also lead to postgraduate study in public health, health science or health management.

For entry requirements see

[www.auckland.ac.nz/bhsc](http://www.auckland.ac.nz/bhsc)

## SUPRIYA MAHARAJ

**Graduate: Bachelor of Health Sciences in Public Health; PGDipHSc in Alcohol and Drug Studies**

### Service Manager at Emerge Aotearoa

*"I work in an organisation which encourages innovation in social services. My work is rewarding and my qualifications prepared me well.*

*"My studies have been especially helpful over the past 18 months, as I have been part of setting up a youth addiction service pilot, which is a project I am proud of and now manage."*



# Hikitia Te Ora – Certificate in Health Sciences (CertHSc)

If you are a school leaver or returning to study, this one year programme can help strengthen your science and population health knowledge, improve your academic writing and prepare you to apply for other programmes within our faculty. The programme is open to Māori and Pacific students and applicants must attend the MAPAS General Interviews.

## Quick facts – Hikitia Te Ora - CertHSc

**Full-time:** 1 year

**Points per degree:** 120

**Taught at:** Grafton Campus

**Application closing date:** 8 December 2020

**Classes start:** 22 February 2021 (includes Week 0 – a compulsory orientation week).

## Highlights

- A pathway into other programmes – Nursing, Health Sciences and Biomedical Science
- A combination of lectures, tutorials, lab sessions and self-directed study within a culturally safe environment

## What you'll be studying

You will learn concepts in a variety of science subjects such as physics and chemistry, along with population health and human biology. You will also develop your academic and professional skills, such as note taking, time management and report writing.

## How do you get in?

All applicants will be required to attend an interview.

## Where can it lead?

This programme can provide an entry pathway into the Bachelor of Nursing (BNurs), Bachelor of Health Sciences (BHSc) and the Bachelor of Science (BSc) specialising in Biomedical Science. From there, high achieving students in Health Sciences or Biomedical Science have an entry pathway into a bachelors degree in Medicine, Medical Imaging (Honours), Optometry or Pharmacy.

For entry requirements see [www.auckland.ac.nz/certhsc](http://www.auckland.ac.nz/certhsc)

## CASEY MANSSON

*Ngāpuhi, Ngāti Awa*  
**Graduate: Hikitia Te Ora – Certificate in Health Sciences, now pursuing an MBChB**

*“As I entered my high school years, I started to become aware that some ethnic groups had worse health outcomes than others. My Māori and Pacific friends and family seemed to face obstacles that our counter-ethnic peers tended to not experience, the most memorable example for me being family deaths.*

*“I wanted to understand why there was a disparate gap in life expectancy between Māori and Pacific people and our counter ethnicities in Aotearoa.*

*“This fuelled my drive to pursue a career in health as a doctor, so that I could make autonomous decisions in hospitals and communities for the betterment of my people.”*



# Bachelor of Nursing (BNurs)

This programme provides our students with valuable clinical education delivered by professionals in a variety of vocations to best prepare you for a life as a registered nurse.

## Quick facts – BNurs

**Full-time:** 3 years

**Points per degree:** 360

**Taught at:** Grafton Campus (some Year 1 classes held at City Campus)

**Application closing date:**  
8 December 2020

**Classes start:** 1 March 2021

**Conjoint combinations:** Advanced Science (Honours), Health Sciences, Science

## Highlights

- An integrated programme that blends both academic and clinical learning throughout
- An interdisciplinary approach that includes shared classes with students of Medicine, Pharmacy and Health Sciences
- Opportunities for international clinical experiences

## What you'll be studying

In the first year (Part I) you will be introduced to the subjects that will form the foundation for your studies, including Biology for Biomedical Science, Population Health, Behaviour, Health and Development, and Nursing in Practice.

You will then explore a range of practice areas including nursing practice, including mental health nursing, health of older people, family health care, Māori and Pacific health, medical and surgical nursing, and leadership in nursing. You will also gain extensive clinical learning opportunities to underpin your knowledge.

## Where can it lead?

After successful completion of the BNurs, graduates may apply for registration as a comprehensive nurse with the Nursing Council of New Zealand.

Nursing offers a varied career. You may find yourself working as a community nurse, mental health nurse, nurse educator, nurse manager, child health nurse or a specialist nurse working in older people's health.

There are various postgraduate options for continuing your professional development in nursing, including Postgraduate Certificate or Diploma in Health Sciences (PGCertHSc or PGDipHSc), Bachelor of Nursing (Honours) (BNurs(Hons)), Master of Nursing Practice (MNursPrac), Master of Nursing (MNurs), Doctor of Philosophy (PhD).

For entry requirements see:

**[www.auckland.ac.nz.bnurs](http://www.auckland.ac.nz.bnurs)**





## **MIKKOL GABRIEL MACABALI**

**Student: Bachelor of Nursing**

*"I wanted a career where you used both your mind and your heart. I chose the Bachelor of Nursing at the University of Auckland because it is widely-recognised in New Zealand for its quality teaching.*

*"For me, clinical placements are the best part of study. They are such a valuable opportunity for real-life experiences. When I started them at the hospital, the nurses were impressed by the knowledge and skills I already possessed. That made me feel confident to work within the medical team and truly make a difference for the patient.*

*"With the skills, knowledge and confidence I have now, I hope to take up clinical leadership positions as well as travel the world to offer medical services to developing countries. I intend to go into Mental Health Nursing. I am a huge advocate for mental health, and I aim to combat the stigma around mental illness."*

# Biomedical Science

If scientific fields such as cancer biology, immunology or neuroscience spark your interest, take a closer look at Biomedical Science.

## Quick facts – BSc, Biomedical Science specialisation

**Full-time:** 3 years

**Points per degree:** 360

**Taught at:** City & Grafton Campuses

**Application closing date:**  
8 December 2020

**Classes start:** 1 March 2021

**Conjoint combinations:** Advanced Science (Honours), Health Sciences, Science

## Highlights

- A flexible programme with a wide range of contemporary biomedical topics tailored to your interests and passions
- An exciting learning environment fostered by staff who are global leaders in their research field
- A fully integrated facility that promotes highly effective anatomy, radiology and pathology

## What you'll be studying

The Biomedical Science programme is designed for students with an interest in the emerging areas of medical science.

You can choose to keep your Biomedical Science specialisation general, or you can choose one of the following pathways:

- Anatomical Imaging Science
- Cancer Biology and Therapeutics
- Cardiovascular Biology
- Cellular and Molecular Biomedicine
- Genetics
- Infection and Immunity
- Neuroscience
- Nutrition and Metabolism
- Reproduction and Development

## Where can it lead?

Biomedical Science equips students for a wide range of opportunities in biotechnology or pharmaceutical companies, science communications or media, universities or research institutes, education and healthcare. For example, you may find work as a research assistant at a biotechnology company or as a science communicator for a media outlet. Year 1 provides an entry pathway into clinical programmes, including Medicine, Medical Imaging (Honours), Pharmacy, and Optometry. Many honours graduates in Biomedical Science move on to careers as research leaders after further graduate training. Postgraduate study includes a Bachelor of Biomedical Science (Honours) or postgraduate diplomas in either Biomedical Science or Health Sciences. These can be followed by masters or doctoral study. For entry requirements see [www.auckland.ac.nz/bsc](http://www.auckland.ac.nz/bsc)

## BSc majors

Undergraduate study in Pharmacology and Physiology is shared between the Faculty of Science and the Faculty of Medical and Health Sciences, with classes held in both.

## Bachelor of Science (BSc) majoring in Pharmacology

Pharmacology is the study of how drug structure and concentration influence effect at a biological target, how the structure can be altered by metabolism, and how the concentrations in the body change as the drug is absorbed and eliminated. Pharmacologists therefore need to understand the biological molecules that facilitate these functions and the ways in which these can change in disease.

As a pharmacology student, you will take some BIOSCI and MEDSCI courses in the first two years in Chemistry, Biochemistry, Physiology and Pathology. The third year of this BSc is very structured, with one course for drug design and action, one on drug clearance and drug safety and a third focusing on the use of drugs to target specific diseases. The fourth course, PHARMCOL 399, is a capstone course designed to complement and enhance the learning from the other three courses. In this course you will apply your integrated knowledge and skills to understand the safe and effective use of drugs, the ethics of pharmacological experimentation and its impact on society.

## Bachelor of Science (BSc) majoring in Physiology

### Physiology

Physiology is the study of how living organisms function from cell to whole body. Understanding how organisms work helps us to understand what goes wrong in disease, and provides a rational scientific basis for its treatment. Physiology is highly quantitative and has close links with biochemistry, molecular biology, mathematical modelling and pharmacology, as well as zoology and neuroscience.

Physiology is a strong research focused department offering world-class research inspired teaching connecting basic biology with biomedical and bioengineering fields in many physiology topics. These include cardiovascular, respiratory, renal, vision and hearing, neuroscience, fetal and neonatal, cellular and molecular, and endocrinological studies. Our students graduate well equipped with expertise and knowledge that will allow them to take up diverse opportunities in research, clinical medicine and industry.

As a physiology student, you will take courses in Biological Sciences, Chemistry, Medical Science, Physics and Statistics to give you a solid quantitative grounding and to encourage critical thinking, science innovation and translation. As part of your physiology major you'll complete a capstone course, PHYSIOL 399, where you'll demonstrate your knowledge and skills through the design of a scientific research project. You will explore the role of science and scientists in society, ethics, science communication, and commitment to Māori and Pacific health advancement.

Complementary majors include Biological Sciences, Chemistry, Exercise Sciences, Mathematics, Pharmacology, Physics, Psychology and Statistics.

### Interested in further study?

Postgraduate study options for Biomedical Science, Pharmacology and Physiology are conducted through the Faculty of Medical and Health Sciences.



## **PRIYANKA MALHOTRA**

**Student: Bachelor of Science in  
Biomedical Science**

*“Biomedical Science is ever-evolving with a large spectrum of opportunities and sub-specialisations such as Genetics, Cancer Biology and Immunology. The opportunity to explore and learn about a wide variety of fields was my motivation to continue in this field.*

*“The entire journey has been exciting, with lots to learn from every single course. Being able to put my theoretical learning into practice in the lab has been really valuable. While our lecturers are top of their fields, they are approachable and pass on their knowledge in an engaging way.*

*“I enjoy the cultural diversity at the University as there are many people from different backgrounds engaging with one another beyond academia. There are lots of ways to get to know fellow students – pop-up events, pop-up food stalls, and events organised by Auckland University Students’ Association. These give you valuable time for a break during your busy academic schedule.*

*“I am glad I chose to study here. I’ve had an exciting journey, not just on an academic but also on a personal level.”*

# Bachelor of Medicine and Bachelor of Surgery (MBChB)

A rewarding, challenging and exciting career in medicine awaits you. Our programme provides you with valuable exposure to a range of clinical settings and hands-on experience that will prepare you for your career in medicine.

## Quick facts – MBChB

**Full-time:** 6 years

**Points per degree:** 720

**Taught at:** Grafton Campus and at clinical sites throughout the upper North Island. Travel outside Auckland is mandatory.

**Application closing date:**

1 October 2020

**Classes start:** 22 February 2021

All applicants must complete the University Clinical Aptitude Test (UCAT) in the year of application for the MBChB.

[www.ucatofficial.com](http://www.ucatofficial.com)

## Highlights

- A faculty with an international reputation for research and innovation.
- Unrivalled access to clinical environments, thanks to our close relationship with a range of district health boards and general practices

## What you'll be studying

You will study medicine in five broad domains: Applied Science for Medicine; Clinical and Communication Skills; Personal and Professional Skills; Hauora Māori; and Population Health.

Further into your study, you will get practical hands-on experience with placements in various medical disciplines at different clinical and community sites.

This provides valuable experience in hospital wards, outpatient clinics, general practice and the community, where you will get exposure to a wide range of health problems.

You will have the opportunity to undertake a regional/rural year-long clinical placement in Year 5 of the programme.

## Where can it lead?

Those who complete the Medical Programme are eligible to apply for provisional registration with the Medical Council of New Zealand as a doctor. You then need to complete two years of pre-vocational training.

Once you have gained general registration, you can choose from a range of disciplines such as General Practice, Dermatology, Emergency Medicine, General Medicine, Paediatrics, Geriatric Medicine, Obstetrics And Gynaecology, Medical Research and more.

If you are interested in research, you can defer your clinical MBChB studies after Part III and take a year pursuing a supervised research project. We also offer a wide range of postgraduate programmes for doctors wishing to further their interests, up to Doctor of Medicine and PhD.

For entry requirements see

[www.auckland.ac.nz/mbchb](http://www.auckland.ac.nz/mbchb)



## **DR HAZEL WILKS**

**Graduate: Bachelor of Medicine  
and Bachelor of Surgery (MBChB)**

*“Learning about population health, inequity, and the determinants of health fuelled my desire to firstly pursue medicine, and now underlie my aim to specialise in General Practice and/or Public Health Medicine. I have developed a passion for Māori and Pacific health as well as for rural communities and those in poverty.*

*“Throughout my degree and work, I have invested effort in getting to know the communities that I work for, and put kindness at the forefront of my clinical practice – deepening and enriching my interactions with patients, whānau and colleagues.*

*“I am thankful to the University for providing me with a quality medical education. This has enriched my life and through my rewarding career in medicine, I can contribute to promoting justice and equity in Aotearoa.”*



## LEANNE CHEN

**Student: Bachelor of Medical Imaging (Honours)**

*“This programme gives you the opportunity to learn advanced techniques with the most up-to-date technology and equipment. Being in such a small cohort also allows you develop meaningful relationships with your peers and lecturers. In the short time that we have known each other, we have become one little Medical Imaging family. We all strive to support and uplift each other.*

*“Medical Imaging has allowed me to further build and expand on the knowledge that I previously obtained as a first-year Biomedical Science student. It has also allowed me to continue to develop my passion for biology and anatomy.*

*“I am really enjoying the Medical Imaging programme and highly recommend it to anyone considering studying the subject.”*

# Bachelor of Medical Imaging (Honours) (BMedImag(Hons))

Our Medical Imaging programme offers extensive, hands-on clinical experience to prepare you for a varied and rewarding, patient-centred career in an exciting, ever-changing and rapidly evolving profession.

## Quick facts - BMedImag(Hons)

**Full-time:** 4 years

**Points per degree:** 480

**Taught at:** Grafton Campus

**Application closing date:**

1 October 2020

**Classes start:** 1 March 2021

## Highlights

- A medical imaging degree from the top-ranked university in New Zealand
- Support from experienced Medical Imaging Technologists (MITs) in radiology departments
- Graduate eligibility for registration with the New Zealand Medical Radiation Technologists Board (MRTB) – subject to formal accreditation

## What you'll be studying

In this programme, you will complete courses in radiographic positioning and image acquisition, medical imaging physical principles and technology, image optimisation and evaluation, patient care and safety, sectional imaging anatomy and pathology, professional and evidence-based practice, and specialised imaging.

You will receive clinical experience in simulation labs, hospitals and outpatient radiology facilities.

Your final-year dissertation helps to develop your analytical and research skills in medical imaging.

## Where can it lead?

MITs can work in a variety of roles either in public hospitals or private radiology practices. Most will begin their career in general radiographic imaging (x-ray) with opportunities to work in computed tomography (CT), angiography and mammography.

From there, postgraduate qualifications are required for professional registration purposes in the imaging technology subspecialties of Magnetic Resonance Imaging (MRI) ultrasound and nuclear medicine.

For entry requirements see

[www.auckland.ac.nz/bmedimag-hons](http://www.auckland.ac.nz/bmedimag-hons)

# Bachelor of Optometry (BOptom)

Our programme covers clinical optometry and vision science. It includes study of the basic physical and life sciences as they relate to the visual system. You will also gain extensive knowledge of optics, the anatomy and physiology of vision, ocular pharmacology, pathology and therapeutics, as well as immunology.

## Quick facts – BOptom

**Full-time:** 5 years

**Points per degree:** 600

**Taught at:** Primarily at Grafton Campus, with placements at external locations as required

**Application closing date:**  
1 October 2020

**Classes start:** 1 March 2021

## Highlights

- New Zealand's only BOptom degree and one of only six Australasian degrees accredited by the Optometry Council of Australia and New Zealand
- Accreditation as a registered optometrist, able to diagnose and treat eye diseases in New Zealand and Australia
- Clinical and business skill development to help you manage your own practice or to work in the public health sector

## What you'll be studying

You will take a mixture of courses in applicable life science, vision science, basic optometric sciences and practice, as well as various aspects of clinical optometry.

In the fourth and fifth years, you will learn about diseases of the eye, their treatment, contact lens practice, advanced clinical optometry, and optometry for special populations. You will also undertake a research project and gain practical experience of examining and treating patients in our public clinic and during external placements.

## Where can it lead?

The majority of optometrists enter private practice, which offers regular hours and the freedom to choose where to live and practise. Optometrists can also practise in hospitals and clinics, or work in industry and research. Postgraduate study is available, with the Postgraduate Diploma in Science (PGDipSci), the Master of Science (MSc), the Master of Health Sciences (MHSc) and the Doctor of Philosophy (PhD). If you have been awarded an Optometry degree with honours from the University of Auckland, the MSc and MHSc options can be completed in one year of full-time study.

For entry requirements see

**[www.auckland.ac.nz/boptom](http://www.auckland.ac.nz/boptom)**





## **JESSICA CORRIGAN**

**Student: Bachelor of Optometry**

*"I always enjoyed science in school, so I knew I wanted to do something along those lines. I studied Biomedical Science and after my first year, I wanted to explore opportunities related to health. Optometry was just what caught my eye (no pun intended). It's a lot more than just glasses, it covers areas like ocular diseases and so much more.*

*"A good thing about being in a small class is that you get to know your lecturers and classmates well. The lecturers and students in other years are approachable, so there is always someone willing to help you out with any questions.*

*"Studying here, I know I'm getting a quality education, and when I graduate I know I'll be all set to be pretty darn good optometrist."*



## **HUNTER (TE TOTARA MATATU) AMENDE**

**Graduate: Bachelor of Pharmacy  
with honours**

*"I have always had a desire to help others and through meeting pharmacists, I was inspired to follow this career.*

*"The staff and students here create a friendly atmosphere and a supportive environment. It is a safe place for learning and expressing your thoughts and asking questions when you need to.*

*"As an extracurricular project, I was part of a team of Pharmacy students that entered the Pharmacy Guild of Australia Business Plan Competition. It is a highly recognised, international event and an honour to even make it to the finals. We all went to the finals ceremony in Sydney and won 1st place. This was an amazing experience and our lecturers supported and celebrated with us.*

*"It's those unique experiences that make me glad I study here."*

# Bachelor of Pharmacy (BPharm)

Our Pharmacy degree primes you for a rewarding, patient-centred career. Today's pharmacists are the first point of contact for primary health care in many communities. Studying pharmacy will prepare you to coordinate medicines-related care as part of wider healthcare teams; you will be the medicines expert. You will also develop the patient assessment, clinical and professional skills necessary for effective interactions with other health professionals, patients and the public.

## Quick facts – BPharm

**Full-time:** 4 years

**Points per degree:** 480

**Taught at:** Grafton Campus (mainly)

**Application closing date:**

1 October 2020

**Classes start:** 1 March 2021, with BPharm

Orientation beginning 23 February 2021

## Highlights

- An integrated, experience-based programme developed with leading pharmacists and other health providers
- An emphasis on critical thinking, problem solving, and using research evidence to inform clinical decision making
- Ten weeks of practice placements in a range of pharmacy, clinical and other health settings

## What you'll be studying

Our pharmacy programme includes a range of topics concerning medicines and health, and puts patients at the heart of your learning. You will study how new medicines are developed and designed, how medicines work, which medical conditions they treat, and how pharmacists help people use medicines safely and effectively. Throughout the programme, your learning will incorporate aspects of population health, social science, pharmacology, pharmacy practice and pharmaceutical science.

You will learn through lectures, as well as both online and interactive media, laboratory classes, clinical case workshops, tutorials and both online and real-life simulations. You will also gain practical experience during placements. In addition, the programme includes a supervised, original research project alongside other students. You will plan and conduct the research for a final-year dissertation to consolidate your academic skills.

## Where can it lead?

In New Zealand, the pathway to becoming a pharmacist includes the successful completion of a Bachelor of Pharmacy degree and a one-year paid internship in an approved pharmacy setting outside the university.

After that, potential roles include community pharmacist, hospital pharmacist, health sector manager, pharmaceutical researcher, pharmaceutical writer, medicines quality control pharmacist, medicines regulator, and prescribing adviser.

Pharmacy as a profession continues to evolve, and pharmacists now utilise their patient-centred skills to provide immunisations, health checks and monitoring. Pharmacists deliver enhanced medicines' services in collaboration with other members of healthcare teams. Pharmacists also work in a range of health-based industries related to the manufacture, prescription and provision of medicines, as well as related industries, such as medical publishing and pharmaceutical marketing.

For entry requirements see

[www.auckland.ac.nz/bpharm](http://www.auckland.ac.nz/bpharm)

# Conjoint programmes

If you have broad interests and don't want to limit your studies to one area, then a conjoint could be for you.

Conjoint programmes allow you to pursue two bachelors degrees at the same time. This enables you to spread your focus across two disciplines and gain greater knowledge. More knowledge can increase your career opportunities, as employers are often attracted to the versatility of graduates who have skills and knowledge across two disciplines. If you're starting your tertiary studies, most combinations can be completed in four or five years full time, rather than six to eight years if you were to complete each degree separately. If you have already started your university studies, you may still have the opportunity to begin a conjoint programme.

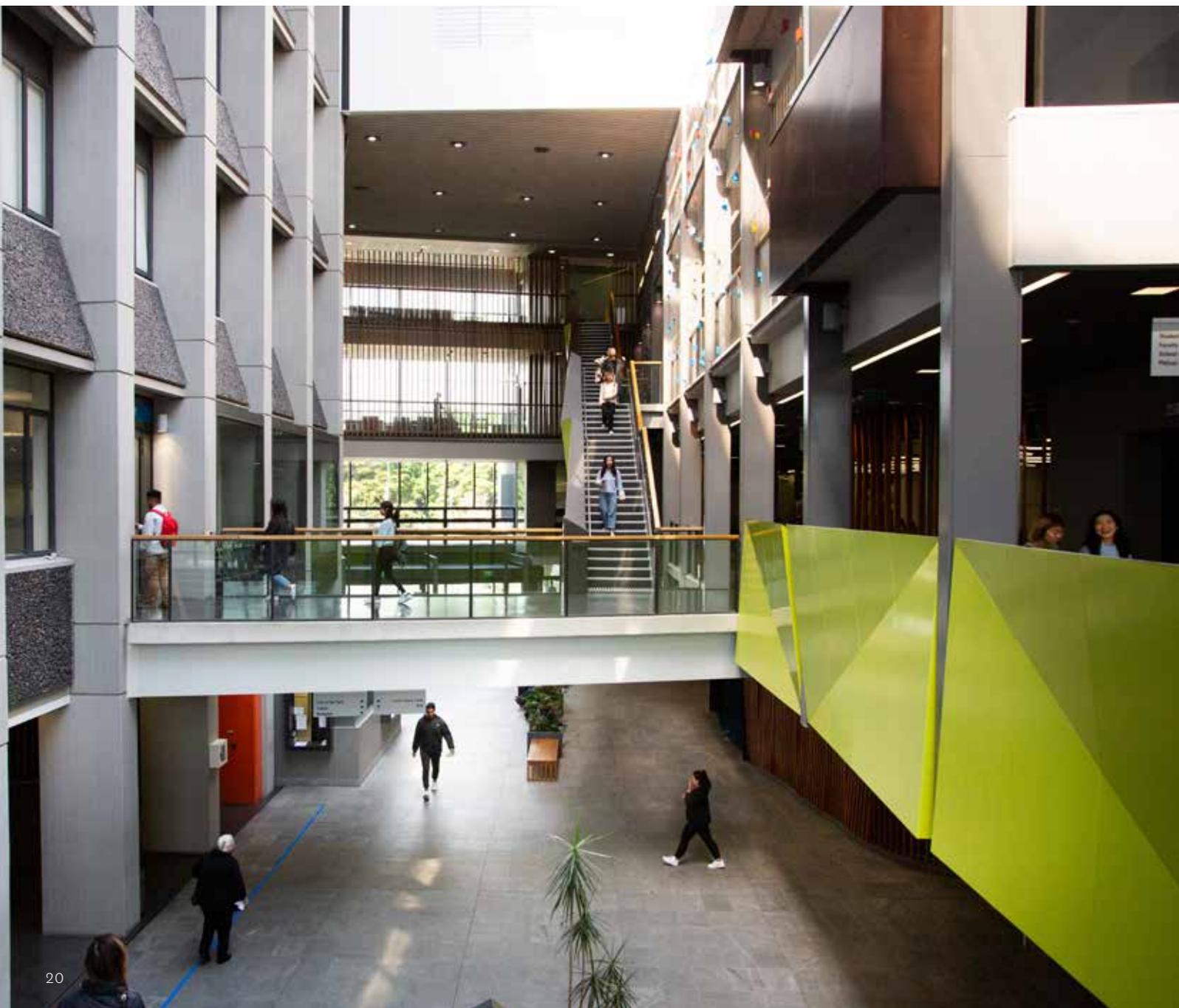
Available conjoints in 2021:

- BA/BHSc
- BAdvSci(Hons)/BHSc
- BAdvSci(Hons)/BNurs
- BCom/BHSc
- BDes/BHSc
- BGlobalSt/BHSc
- BHSc/LLB
- BHSc/LLB(Hons)
- BHSc/BNurs
- BHSc/BSc\*
- BNurs/BSc\*

For more information about conjoint programmes visit:

[www.conjoints.ac.nz](http://www.conjoints.ac.nz)

*\*Some majors/specialisations cannot be taken. Please check the programme page online for up-to-date information.*



# International opportunities

Join us at New Zealand’s leading university, ranked in the top 100 universities worldwide. We offer a quality education in an inviting and stimulating environment here in beautiful Auckland city. Our programmes open up a range of exciting career opportunities in health to international students from all over the world.

We welcome international students into the following programmes:

Undergraduate programme		Duration
Bachelor of Health Sciences	<a href="http://www.fmhs.auckland.ac.nz/bhsc">www.fmhs.auckland.ac.nz/bhsc</a>	3 years
Bachelor of Health Sciences (conjoint with another programme)	<a href="http://www.conjoints.ac.nz">www.conjoints.ac.nz</a>	4-5 years
Bachelor of Medicine and Bachelor of Surgery	<a href="http://www.fmhs.auckland.ac.nz/mbchb">www.fmhs.auckland.ac.nz/mbchb</a>	5 years*
Bachelor of Nursing	<a href="http://www.fmhs.auckland.ac.nz/bnurs">www.fmhs.auckland.ac.nz/bnurs</a>	3 years
Bachelor of Nursing (conjoint with another programme)	<a href="http://www.conjoints.ac.nz">www.conjoints.ac.nz</a>	4-5 years
Bachelor of Optometry	<a href="http://www.fmhs.auckland.ac.nz/boptom">www.fmhs.auckland.ac.nz/boptom</a>	4 years*
Bachelor of Pharmacy	<a href="http://www.fmhs.auckland.ac.nz/bpharm">www.fmhs.auckland.ac.nz/bpharm</a>	3 years*

\*Entry is via the first year of approved programmes. There is also a graduate entry pathway.

## How to apply

The chart above lists urls for our online programme pages. Before you apply, check there for our entry and English-language requirements as well as the application closing date for your programme.

We recommend that you apply as early as you can. When you are ready to start, go online to apply for admission

[www.auckland.ac.nz/international-apply](http://www.auckland.ac.nz/international-apply)

## Exchange and study abroad

There are opportunities for domestic students to have an international experience during their degree.

As New Zealand’s largest university and leading research institution, the University of Auckland is a member of three international networks: Association of Pacific Rim Universities (APRU), Universitas 21 and Worldwide Universities Network (WUN). These network partnerships allow FMHS students access to conferences and workshops.

## 360 International

Our 360 International exchanges for a single semester or up to one year, provide all students studying in our faculty the opportunity for a truly international learning experience. For information on international applications, please contact the FMHS Student Centre.

[www.auckland.ac.nz/360](http://www.auckland.ac.nz/360)

## General Information

Please contact the International Office:

Phone: +64 9 923 1969

Email: [Int-questions@auckland.ac.nz](mailto:Int-questions@auckland.ac.nz)

[www.auckland.ac.nz/international](http://www.auckland.ac.nz/international)

Find out more about our latest rankings.

[www.auckland.ac.nz/new-zealands-world-ranked-university](http://www.auckland.ac.nz/new-zealands-world-ranked-university)

There are also a range of scholarships that you may be eligible to apply for.

[www.auckland.ac.nz/ioscholarships](http://www.auckland.ac.nz/ioscholarships)

## VANESSA TAN WEI KI

Student: Bachelor of Medicine and Bachelor of Surgery (MBChB)

“The best part of the faculty is the people! I like how there is a mixture of Kiwis and international students all together, and the staff are also very helpful whenever I need help.

“I have made lots of friends who are supportive and help me study. I joined clubs like the Singapore Student Association (SSA) and the Union of Malaysian Students Association (UMSA). They have lots of activities throughout the year which I really enjoy going to.”



# How do you get in?

## Admission from New Zealand secondary school qualifications

All applicants must meet the University Entrance standard and the entry requirements for the programme they wish to pursue. For more detailed information and other entry pathways:

[www.auckland.ac.nz/entry-requirements](http://www.auckland.ac.nz/entry-requirements)

## Guaranteed entry scores

The table below shows the rank scores required to guarantee entry to the Faculty of Medical and Health Sciences in 2021 for school-leavers who are New Zealand or Australian citizens or permanent residents. For some programmes, applicants with scores below these will still be considered, provided places are available. NCEA, Cambridge International and IB have different scales and scores.

## International requirements

Secondary school qualification programme	Table A	Table B
National Certificate of Educational Achievement (NCEA) – Level 3	Classical Studies English Geography History History of Art Te Reo Māori or Te Reo Rangatira	Accounting Biology Calculus Chemistry Digital Technologies* Economics Mathematics** Physics Statistics
Cambridge International	Classical Studies English Geography History History of Art	Accounting Biology Business Studies Chemistry Economics Mathematics Physics

\*There are 21 Level 3 achievement standards in this domain, numbered 91632–91642 and 91900–91909.

\*\*Cannot be used in combination with Calculus and/or Statistics

This table indicates the rank score that will gain you admission to your programme subject to meeting any specified requirements.

2021 Faculty of Medical and Health Sciences undergraduate guaranteed entry scores for school leavers who are citizens or permanent residents of New Zealand or Australia				
Programme	NCEA Level 3	Cambridge International	IB	Special entry
Bachelor of Health Sciences (BHSc)	250 with a minimum of 18 credits in one subject from Table A and minimum of 18 credits in one subject from Table B	300 with one subject from Table A and one full A Level subject from Table B	33	MAPAS International
Bachelor of Medical Imaging (Honours) (BMedImag(Hons))	Not available to school-leavers. See "Alternative entry schemes" on page opposite.			
Bachelor of Medicine and Bachelor of Surgery (MBChB)	Not available to school-leavers. You must first complete Year 1 of either the BHSc or the BSc (Biomedical Science), or have completed another degree approved by the Faculty of Medical and Health Sciences. See "Alternative entry schemes" on the page opposite.			
Bachelor of Nursing (BNurs)	230 with a minimum of 18 credits in one subject from Table A and a minimum of 18 credits from one of Biology, Chemistry or Physics	280 with one subject from Table A and one of Biology, Chemistry or Physics at full A Level	31	MAPAS International
Bachelor of Optometry (BOptom)	Not available to school-leavers. See "Alternative entry schemes" on page opposite.			
Bachelor of Pharmacy (BPharm)	Not available to school-leavers. See "Alternative entry schemes" on page opposite.			
Bachelor of Science (BSc) in Biomedical Science	280	310	33	MAPAS International
Conjoint programmes				
Bachelor of Advanced Science (Honours)/Bachelor of Health Sciences (BAdvSci(Hons)/BHSc)	275 with a minimum of 18 credits in one subject from Table A and a minimum of 18 credits in one subject from Table B	330 with one subject from Table A and one full A Level subject from Table B	36	MAPAS International
Bachelor of Advanced Science (Honours)/Bachelor of Nursing (BAdvSci(Hons)/BNurs)	275 with a minimum of 18 credits in one subject from Table A and a minimum of 18 credits in one of Biology, Chemistry or Physics	330 with one subject from Table A and one of Biology, Chemistry or Physics at full A Level	36	MAPAS International
Bachelor of Arts/Bachelor of Health Sciences (BA/BHSc)	250 with a minimum of 18 credits in one subject from Table A and a minimum of 18 credits in one subject from Table B	300 with one subject from Table A and one full A Level subject from Table B	33	MAPAS International
Bachelor of Commerce/Bachelor of Health Sciences (BCom/BHSc)	250 with a minimum of 18 credits in one subject from Table A and a minimum of 18 credits in one subject from Table B and a minimum of 16 credits in another subject from either Table A or Table B	300 with one subject from Table A and one subject from Table B and an additional full A Level subject from Table A or B	33	MAPAS International
Bachelor of Design/Bachelor of Health Sciences (BDes/BHSc)	For up to date entry requirements please check the relevant programme page.			MAPAS International
Bachelor of Global Studies/Bachelor of Health Sciences (BGlobalSt/BHSc)	250 with a minimum of 18 credits in one subject from Table A and a minimum of 18 credits in one subject from Table B	300 with one subject from Table A and one full A Level subject from Table B	33	MAPAS International
Bachelor of Health Sciences/Bachelor of Laws (BHSc/LLB)	250 with a minimum of 18 credits in one subject from Table A and a minimum of 18 credits in one subject from Table B	300 with one subject from Table A and one full A level subject from Table B	33	MAPAS International
Bachelor of Health Sciences/Bachelor of Nursing (BHSc/BNurs)	250 with a minimum of 18 credits in one subject from Table A and a minimum of 18 credits in one of Biology, Chemistry or Physics	300 with one subject from Table A and one full A level subject from Biology, Chemistry or Physics	33	MAPAS International
Bachelor of Nursing/Bachelor of Science (BNurs/BSc)	230 with a minimum of 18 credits in one subject from Table A and a minimum of 18 credits from one of Biology, Chemistry or Physics	280 with one subject from Table A and one of Biology, Chemistry or Physics at full A Level	31	MAPAS International

## Alternative entry schemes

The table below shows the entry requirements for non-school-leavers, who are New Zealand or Australian citizens or permanent residents, seeking admission into the Faculty of Medical and Health Sciences undergraduate programmes.

2021 Faculty of Medical and Health Sciences alternative entry schemes			
Programme	Basic entry requirements	Additional requirements	Special entry
Certificate in Health Sciences (CertHSc)	Students are selected on the basis of their academic merit. Applicants may be considered under Special Admission (20 years and older, and subject to approval).	Applicants must have Māori whakapapa or Pacific ancestry. Applicants must be New Zealand citizens or permanent residents. Applicants must apply under the MAPAS category. Submission of Supplementary Information Form (MH04).	MAPAS
Bachelor of Health Sciences (BHSc)	Students are selected on the basis of their academic merit. Mature students and those with full/partial degrees may apply under the faculty's alternative admission scheme.	Submission of Supplementary Information Form (MH04) for MAPAS applicants only.	MAPAS International
Bachelor of Medical Imaging (Honours) (BMedImag(Hons))	First Year Entry: First year of BSc (Biomedical Science) with a minimum B average or equivalent study at another NZ university as approved by the faculty. Graduate Entry: relevant degree from any NZ university with a minimum B average or equivalent study at a recognised overseas tertiary institution.	Interview. All applicants are required to provide supporting statements as part of the online application process. Submission of Supplementary Information Form (MH04) for MAPAS applicants only.	MAPAS Regional Rural (RRAS)
Bachelor of Medicine and Bachelor of Surgery (MBChB)	First Year Entry: A minimum of a B+ average* across 8 prescribed courses in BHSc or BSc (Biomedical Science). Graduate Entry: At least B+ average across a degree or postgraduate diploma from any NZ university completed on a full-time basis within the past five years.	UCAT. Interview. All applicants are required to provide supporting statements as part of the online application process. Submission of Supplementary Information Form (MH04) for MAPAS applicants only.	MAPAS Regional Rural (RRAS) International
Bachelor of Nursing (BNurs)	Applicants should be able to provide evidence of success in academic study at tertiary level.	Interview may be required for alternative admission candidates. Submission of Supplementary Information Form (MH04) for MAPAS applicants only.	MAPAS International
Bachelor of Optometry (BOptom)	First Year Entry: First year of BSc (Biomedical Science) with a minimum B+ average or equivalent study at another NZ university as approved by the faculty. Graduate Entry: relevant degree from any NZ university with a minimum B+ average or equivalent study at a recognised overseas tertiary institution	Interview. All applicants are required to provide supporting statements as part of the online application process. Submission of Supplementary Information Form (MH04) for MAPAS applicants only.	MAPAS Regional Rural (RRAS) International
Bachelor of Pharmacy (BPharm)	First Year Entry: B average across 8 courses including BIOSCI 107, CHEM 110, POPLHLTH 111, MEDSCI 142 and a General Education course in a programme of study.** This may be achieved through first year of BSc (various majors including Biomedical Science) or BHSc. Alternative Admission Entry: equivalent study with B average at a NZ university or recognised overseas university as approved by the faculty.	Interview. All applicants are required to provide supporting statements as part of the online application process. Submission of Supplementary Information Form (MH04) for MAPAS applicants only.	MAPAS Regional Rural (RRAS) International
Bachelor of Science (BSc) specialising in Biomedical Science	Visit: <a href="http://www.science.auckland.ac.nz/biomedical-science">www.science.auckland.ac.nz/biomedical-science</a> Phone: +64 9 923 7020 Email: <a href="mailto:scifac@auckland.ac.nz">scifac@auckland.ac.nz</a>	None	Māori/Pacific International
Conjoint Programmes	Candidates must have completed or partially completed a degree. Conjoints with Health Sciences require a minimum B average. Conjoints with Nursing require a minimum B- average.	Submission of Supplementary Information Form (MH04) for MAPAS applicants only. Interview for alternative admission candidates for BNurs conjoint programmes may be required.	MAPAS International

### Notes:

- UCAT – more information can be found at [www.ucatofficial.com](http://www.ucatofficial.com)
- RRAS – students wishing to apply under the Regional Rural Entry category must provide evidence of their regional/rural origin as specified on: [www.fmhs.auckland.ac.nz/rras](http://www.fmhs.auckland.ac.nz/rras)

\* Eligibility for an interview for MBChB (Medicine and Surgery) is based on the average grade achieved in university study (either in Year 1 or as a graduate). Approximately twice as many applicants are invited for interview as there are places available. The average grade required to be eligible for an interview varies from year to year; it generally exceeds a B+ average.

\*\* Students who do not meet all of the requirements for entry to the BPharm but are interested in applying should email us for advice [fmhs@auckland.ac.nz](mailto:fmhs@auckland.ac.nz)

### Physical address

Faculty of Medical and Health Sciences  
Student Centre,  
Ground Floor, Building 503  
85 Park Road, Grafton  
Auckland

### Mailing address

Faculty of Medical and Health Sciences  
The University of Auckland  
Private Bag 92019  
Auckland 1142  
New Zealand

### Questions

Email: [fmhs@auckland.ac.nz](mailto:fmhs@auckland.ac.nz)  
Phone: +64 9 923 4888  
Fax: +64 9 308 2380

# OPEN DAY



## Experience campus for yourself at our annual Open Day!

Open Day is all about discovering the qualifications that are right for you. You'll learn what you need to get accepted into the University, what it's like to be a student on campus, and where your study could lead you.

While you're here, make the most of the opportunity to attend information sessions, meet our staff and students, experience our social culture and explore the City Campus. The full programme will be available online and from your school in July. For more information you can visit [www.openday.ac.nz](http://www.openday.ac.nz)

We look forward to welcoming you to the University on 29 August 2020.

## Future Student Evenings

We run a series of evening events in all the main centres, where we share what the University of Auckland has to offer. There's plenty of opportunity for questions and discussion that will help students, parents or guardians make informed choices.

[www.auckland.ac.nz/futurestudentevenings](http://www.auckland.ac.nz/futurestudentevenings)

[www.fmhs.auckland.ac.nz](http://www.fmhs.auckland.ac.nz)



## Useful web addresses

### Faculty website

[www.fmhs.auckland.ac.nz](http://www.fmhs.auckland.ac.nz)

### The University of Auckland website

[www.auckland.ac.nz](http://www.auckland.ac.nz)

### The University of Auckland Calendar

[www.auckland.ac.nz/calendar](http://www.auckland.ac.nz/calendar)

### Academic dates

[www.auckland.ac.nz/dates](http://www.auckland.ac.nz/dates)

### Information for prospective students

[www.auckland.ac.nz/prospectivestudents](http://www.auckland.ac.nz/prospectivestudents)

### Information for international students

[www.auckland.ac.nz/international](http://www.auckland.ac.nz/international)

### Fees, finances and scholarships

[www.auckland.ac.nz/fees](http://www.auckland.ac.nz/fees)  
[www.auckland.ac.nz/scholarships](http://www.auckland.ac.nz/scholarships)

### Frequently asked questions

[www.auckland.ac.nz/askauckland](http://www.auckland.ac.nz/askauckland)

### Entry requirements

[www.auckland.ac.nz/entry-requirements](http://www.auckland.ac.nz/entry-requirements)

### Accommodation Services

[www.accommodation.auckland.ac.nz](http://www.accommodation.auckland.ac.nz)

### Conjoint degrees

[www.conjoints.ac.nz](http://www.conjoints.ac.nz)

### How to apply

[www.auckland.ac.nz/apply](http://www.auckland.ac.nz/apply)

### Social Networking Sites

#### Faculty of Medical and Health Sciences

[www.facebook.com/fmhs.uoa](https://www.facebook.com/fmhs.uoa)  
[Twitter.com/fmhs\\_uoa](https://twitter.com/fmhs_uoa)

#### The University of Auckland

[www.auckland.ac.nz/theinsideword](http://www.auckland.ac.nz/theinsideword)  
[Twitter.com/AucklandUni](https://twitter.com/AucklandUni)  
[www.youtube.com/UniofAuckland](https://www.youtube.com/UniofAuckland)