



THE UNIVERSITY  
OF AUCKLAND

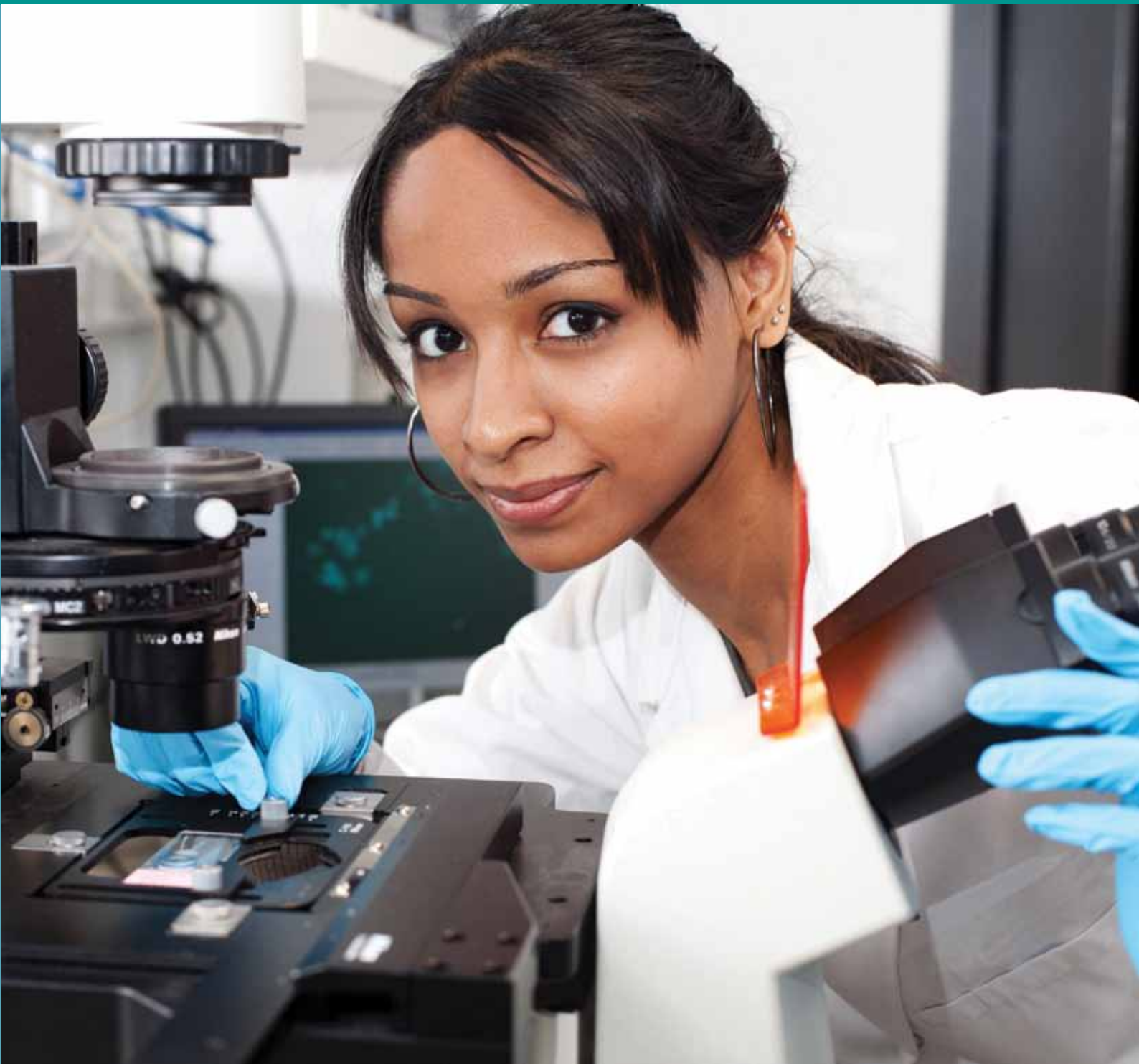
FACULTY OF MEDICAL  
AND HEALTH SCIENCES

2013

The University of Auckland

# Faculty of Medical and Health Sciences

Undergraduate Prospectus



# Welcome to the Faculty of Medical and Health Sciences



Congratulations on taking your first step into influencing the health of the world. I extend a warm welcome to you on behalf of the Faculty of Medical and Health Sciences at The University of Auckland.

Our aim at the faculty is to make sure you have the best education to meet both your personal and vocational goals, and to meet the needs of our society today and into the future.

The faculty consists of five schools including Schools of Nursing, Medical Sciences, Pharmacy, Population Health and the School of Medicine. Each school has a focus on teaching and research, with both strands being woven together under the term “research informed teaching”. The faculty currently enrolls approximately 2,000 undergraduate students and is home to a similar number of postgraduate students. The faculty is New Zealand’s health research powerhouse, and it is rated among the top 1% of Clinical and Biomedical teaching and research institutions globally.

The University of Auckland is acknowledged both locally and internationally for its groundbreaking work in advancing modern medicine. Our graduates can be found across the globe in hospitals, medical centres, laboratories and biotech companies, actively influencing the healthcare of the communities they serve and operating right at the forefront of modern medicine.

We are delighted that you have chosen to investigate this pathway, and we look forward to helping you make a difference in the world of health. Welcome to the Faculty of Medical and Health Sciences.

## **Professor John Fraser**

Dean, Faculty of Medical and Health Sciences  
The University of Auckland

## Why study with us?

### **Vocational opportunities for all**

The Faculty of Medical and Health Sciences (FMHS) offers undergraduate degrees in Health Sciences, Nursing, Optometry, Pharmacy, Medicine and Biomedical Science, supporting these with foundation courses where appropriate. The faculty can, and will, provide you with the best opportunity to achieve, whether you want to be a scientist, doctor, nurse, optometrist, pharmacist or health management professional. Whatever your goal in the health field may be, we can help you reach it.

### **World-class teaching, research and people**

Our lecturers and health researchers are regarded as experts in their fields, frequently directing global research projects designed to better the lives of New Zealanders and the world and passing this knowledge on to our students. Our active research programmes provide a wealth of information keeping us at the forefront of modern medicine and ensuring our teaching is as relevant and informed as it can be.

### **Ready-made careers**

By actively working with district health boards across New Zealand and with other appropriate organisations, the faculty is able to ensure you are learning from teachers with the most up-to-date knowledge and experience. These same partners ensure our graduates have the best opportunities to make positive and clever career choices on graduation.

### **Outstanding facilities**

Facilities at the Grafton Campus have been extensively rebuilt or refurbished through a campus redevelopment programme which provides world-class teaching and research space for students. Our School of Population Health is based in an award-winning, student-friendly facility at our Tāmaki Innovation Campus.



# Health Sciences

The Bachelor of Health Sciences (BHSc) is a public health degree that prepares graduates for a broad range of health-related careers. The programme focuses on socio-economic and behavioural factors affecting health and health provision, the role governments play in determining health policy, how health systems function, and the biological and social bases of ill-health in our communities.

## Quick facts – BHSc

**Fulltime:** 3 years

**Points per degree:** 360

**Taught at:** Tāmaki Innovation Campus (mainly) and City Campus

**Application closing date:** 8 December 2012

**Classes start:** 4 March 2013

**Conjoint combinations:** Arts, Commerce, Law, Nursing, Science

## Highlights

- A unique non-clinical programme that provides a multidisciplinary understanding of health, healthcare and health services in New Zealand.
- Provides an understanding of the biological, social and behavioural bases of the western medical system as preparation for a career in the health sector and related industries.
- The first year of this programme provides an entry route into undergraduate clinical programmes.

## 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 (see pg. 11 for Year 1 course details).

In the second year and beyond you will:

- Complete a number of core courses and select from a range of option courses to focus your degree. Topics include Māori Health, Pacific Health, Asian Health, Health Care Ethics, Research Methods, Health Informatics, Health Promotion, Nutrition and Environmental Health.
- The programme is offering suggested pathways for 2013 to assist students in course selection and in preparing for a future career in health.

## Sample BHSc degree structure

Year 1	5	2	1
Year 2	5	1	2
Year 3	8		

- Core courses (15 points)
- Elective courses (15 points)
- Option courses (15 points)
- General Education courses (15 points)

## Choose your career

BHSc graduates fill a wide variety of roles in the public health sector. Their understanding of the social dimensions of health and health services, coupled with skills in identifying and evaluating initiatives to improve the health of populations, gives them excellent career opportunities in health promotion, health policy, healthcare management and health information services. A career in public health could lead to work with district health boards, non-governmental and governmental health agencies, as well as private healthcare providers.

## Interested in further study?

The School of Population Health offers a range of postgraduate programmes including honours and two masters programmes and a PhD. Students with a conjoint degree are also eligible for postgraduate study in their chosen discipline.

## Other pathways into the programme

Mature students with degrees or partially completed tertiary qualifications may apply under the Faculty of Medical and Health Sciences' alternative admissions scheme.

## How do you get in?

- Two approved pathways
  - School leavers with NCEA, CIE or IB.
  - Non-school leavers with degrees or partially completed tertiary study.
- For entry requirements information, including special entry schemes, visit: [www.fmhs.auckland.ac.nz/admissioncriteria](http://www.fmhs.auckland.ac.nz/admissioncriteria)
- Key application dates (pg. 14).

## Any questions?

See contact information pg. 16



*"I love that this degree offers such a range of subjects that can lead to virtually anywhere in the health sector. I've always had a strong interest in health, not only the symptoms and biological causes, but how other factors in everyday life all fit into the mix. I eventually want to work in an environment where I am promoting and improving health in New Zealand."*

*"Tāmaki Innovation Campus is a great place to study and hang out with friends, and our tutors and lecturers are great at creating a supportive environment."*

*"I love the city life - Auckland has a great mix of people and cultures, and there's always something to do. The friends I have made since moving up from Hamilton are definitely a highlight of my time at University."*

**Isaac Smith** is studying for a Bachelor of Health Sciences.

# Medicine

The Bachelor of Medicine and Bachelor of Surgery (MBChB) is a highly challenging, extremely rewarding programme that will give you the medical knowledge, clinical and research skills, attitudes, awareness and enthusiasm for pursuing a vocation in any field of medicine. You will learn how to develop a rapport with patients from a diverse range of cultures as well as learning how to work effectively with colleagues in other healthcare professions.

## Quick facts – MBChB

**Fulltime:** 6 years

**Points per degree:** 720

**Taught at:** Grafton Campus, Tāmaki Innovation Campus and at clinical sites throughout the upper North Island (travel outside Auckland is mandatory)

**Application closing date:** 1 November 2012 (Part II)

**Classes start:** 4 March 2013

To be eligible to apply, you must first complete Year 1 of either the Bachelor of Health Sciences (see pg. 3) or the Bachelor of Science in Biomedical Science (see pg. 9), or have completed another degree approved by the Faculty of Medical and Health Sciences.

All applicants must complete UMAT in the year of application. Registration opens in April each year. For further details visit: [www.umatweb.acer.edu.au](http://www.umatweb.acer.edu.au)

## Highlights

- A programme with strong emphasis on medical sciences, clinical, professional and communication skills, and health of Māori.
- A faculty with an international reputation for research and innovation.
- Unrivalled access to clinical environments thanks to the Faculty of Medical and Health Sciences' close relationship with major New Zealand district health boards.
- A commitment to rural/regional and community-based health through the faculty's network of health campuses in the upper North Island.

## What you'll be studying

For your first year of study, you must be enrolled in either the Bachelor of Health Sciences (BHSc) or the Bachelor of Science (BSc) specialising in Biomedical Science (see pg. 11 for Year 1 course details).

If you pass all eight courses and achieve a minimum B+ average (GPA 6.00) you will be eligible for consideration for entry to MBChB Part II.

In the second year and beyond you will:

- Undertake the fundamentals of clinical practice – multidisciplinary modules on systems in the human body that help you to acquire clinical and professional skills.
- Experience clinical practice in context, spending a minimum of 33 weeks per year being rotated through the various medical disciplines at different clinical and community sites throughout the upper North Island.
- Experience practicums in hospital wards, outpatient clinics and the community, and play a part in caring for patients with diverse health problems.
- Have the opportunity to undertake a regional rural year of medicine.
- Spend your final year preparing for the workforce in a clinical environment.

## Sample MBChB degree structure

Part I	7	1
Part II	1	
Part III	1	1
Part IV	1	
Part V	1	
Part VI	1	

■ Core courses (15 points)  
■ Core courses (105 points)  
■ Core courses (120 points)  
■ General Education courses (15 points)



*"What I enjoy most about life at University is the diverse group of people you meet and become close friends with.*

*"I am currently in my fourth year and have to say it has been the most exciting year by far. The transition from third year in the books, to fourth year in hospitals, has been a huge leap, however it is very exciting now being able to put things into practice.*

*"Being of Māori and Cook Island descent, the Leva Scholarship and Hauora Māori Scholarship have been extremely helpful. I grew up in Tokoroa so coming up to Auckland to study was a big step – but one I've never looked back on."*

**Ailsa Wilson** is studying for a Bachelor of Medicine and Bachelor of Surgery (MBChB).

## Choose your career

You might choose primary healthcare and work in general practice, or choose from a range of other specialist disciplines including dermatology, emergency medicine, general medicine, geriatric medicine, gynaecology, medical research and education, neurology, obstetrics, oncology, paediatrics, pathology, psychiatry, public health, radiology and surgery.

## Interested in further study?

Students interested in research may defer clinical MBChB studies after Part III and take a

year pursuing a supervised research project of their choice to qualify for a BMedSc(Hons) degree before returning to complete their clinical training and graduating with both qualifications.

In addition, the faculty offers a wide range of postgraduate programmes for doctors wishing to further their interests, up to Doctor of Medicine and PhD.

## How do you get in?

- Two approved pathways:
  - Year 1 BHSc or BSc Biomedical Sciences from The University of Auckland.
  - Graduates.
- For entry requirements information, including special entry schemes, visit:  
[www.fmhs.auckland.ac.nz/admissioncriteria](http://www.fmhs.auckland.ac.nz/admissioncriteria)
- Key application dates (pg. 14).

## Any questions?

For more information on the interview and selection process visit:

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

See contact information pg. 16



*"I think the opportunity to learn in a clinical environment and having access to major hospitals in the region, has been invaluable. The clinical staff devote time to teach us, despite their busy workloads. The other thing I enjoy is the challenge – you are constantly encouraged to achieve not just academically, but also in terms of communication skills and strategies to deal with different patient scenarios."*

*"Before embarking on this degree I worked in the corporate environment. I'd always wanted to study medicine as it's a career which enables you to make a tangible difference to people's lives. So instead of spending my life regretting not doing it, I decided to take a leap of faith – I haven't looked back since!"*

**Carolyn McKenzie** is studying for a Bachelor of Medicine and Bachelor of Surgery.



Grafton Campus atrium

# Nursing

Healthcare is multifaceted, with no one discipline functioning in isolation. It's vital that tomorrow's nurses are educated in a multidisciplinary environment with extensive clinical experience. This is exactly what you'll find in the Bachelor of Nursing (BNurs). During your study you will be involved in research-based projects and clinical practice blocks, both designed to develop your critical thinking and practical knowledge.

## Quick facts – BNurs

**Fulltime:** 3 years

**Points per degree:** 360

**Taught at:** Grafton Campus

**Application closing date:** 8 December 2012

**Classes start:** 4 March 2013

**Conjoint combinations:** Health Sciences and Science

## Highlights

- Students study with Medical, Pharmacy and Health Science students.
- The degree reflects how the healthcare system operates, presenting a multidisciplinary view of patient care.

In the first year (Part I) you will:

- Be introduced to the subjects that will form the platform for your studies (see pg. 11 for Year 1 course details).
- Take one General Education course.

In subsequent years (Parts II-III) you will:

- Explore the different areas of nursing practice, including such topics as Mental Health Nursing, Aged Care, Family Health Care, Māori and Pacific Health, Medical and Surgical Nursing, and Leadership in Nursing.
- Gain clinical experience to underpin your knowledge.
- Include in your integrated semester course studies in Pharmacology, Microbiology, Biological Science, Psychology, Sociology and the Humanities to support your nursing studies.

## Sample BNurs degree structure

Part I	5	1	1
Part II	2		
Part III	2		

■ Core courses (15 points)  
■ Core courses (30 points)  
■ Core courses (60 points)  
■ General Education courses (15 points)

## Choose your career

You might find yourself working as a community nurse, hospital nurse, mental health nurse, nurse educator, nurse manager, paediatric nurse or primary health care nurse.

## Interested in further study

Graduate and postgraduate options for continuing your professional development include:

- Bachelor of Nursing (Honours) (BNurs(Hons))
- Master of Nursing (MNurs)
- Doctor of Philosophy

## How do you get in?

- Two approved pathways:
  - School leavers with NCEA, CIE or IB.
  - Non-school leavers with degrees or partially completed tertiary study.
- For entry requirements information, including special entry schemes, visit: [www.fmhs.auckland.ac.nz/admissioncriteria](http://www.fmhs.auckland.ac.nz/admissioncriteria)
- Key application dates (pg. 14).

## Any questions?

See contact information pg. 16.



*"Nursing is a fast-paced, hands-on, exciting degree with fantastic career opportunities. I've really enjoyed the placements I've been on, and there are awesome clinical facilities at the University. The programme provides a good mix between theory and practical work. The Nursing School has a fantastic team of lecturers who are great mentors and friends."*

*"One of my favourite assignments was when my group and I did a whole pile of research about preventing the spread of MRSA amongst a school of underprivileged children. We took a teaching session for a group of kids, and wrote a 40-page report about systems the school could put in place to help restrict contamination."*

*"I hope to become a Nurse Specialist in an emergency room in either New Zealand or overseas – and I would love the chance to work in a war zone."*

**Dave Nicholls** is studying for a Bachelor of Nursing.



# Optometry and Vision Science

Optometrists play a crucial role in primary healthcare, examining the population's eyes, diagnosing vision problems, and providing treatment. The Bachelor of Optometry (BOptom) covers both clinical optometry and vision science and involves the study of the basic physical and life sciences as they relate to the visual system. You will also gain an extensive knowledge of optics, anatomy and physiology of vision, ocular pharmacology, pathology and therapeutics, as well as immunology.

## Quick facts – BOptom

**Fulltime:** 5 years

**Points per degree:** 600

**Taught at:** City and Grafton Campuses

**Application closing date:** 1 December 2012

**Classes start:** 4 March 2013

School leavers complete Part I for Optometry as part of the first year of the BSc (Biomedical Science). Students then apply to be selected to continue into Parts II-V of Optometry at the end of the year. Students may also be selected on completion of a relevant degree.

## Highlights

- New Zealand's only BOptom degree and one of only four Australasian degrees accredited by the Optometry Council of Australia and New Zealand.
- Develop communication, empathy and problem-solving skills, particularly in working with children, the elderly and the partially sighted.
- On graduation you can be accredited as a registered optometrist, able to diagnose and treat eye diseases in New Zealand and Australia.
- Develop the clinical and business skills to own or manage your own business or work in the health sector.
- Opportunity to complete your Optometry degree with honours.

## What you'll be studying

In the first year you will be enrolled in the BSc (Biomedical Science). See pg. 11 for Year 1 course details.

In the second and third years (Parts II-III) you will:

- Take a mixture of courses in applicable life science and vision science and the basic optometric sciences.
- Learn about General Optometric Practice and the various aspects of clinical optometry.
- Take courses from the General Education schedule.

In the fourth and fifth years (Parts IV-V) you will:

- Study Contact Lens Practice, Paediatric Optometry and Binocular Vision, and continue to learn about Visual Science and Diseases of the Eye and how to treat them.
- Take courses in Advanced Clinic Optometry and undertake a research project.
- Gain practical experience of examining and treating patients in one of the department's clinics and during external placements.

## Sample Optom degree structure

Part I BSc (Biomedical Science)

Part II	5	1	1
Part III	5	1	1
Part IV	5	1*	
Part V	2	3*	* Clinical

- Core courses (15 points)
- Core courses (30 points)
- Core courses (45 points)
- General Education courses (15 points)

## Choose your career

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 industrial vision.

## Interested in further study?

The optometry profession needs practitioners with research skills and experience. The three main postgraduate programmes are the Postgraduate Diploma in Science (PGDipSci), the Master of Science (MSc) and the Doctor of Philosophy (PhD).

If you have an honours degree in Optometry from The University of Auckland, the MSc option can be completed in one year of fulltime study.

## How do you get in?

- Two approved pathways:
  - Year 1 BSc including required courses from The University of Auckland.
  - Graduates holding related degrees.
- For Entry requirements information, including special entry schemes, visit: [www.fmhs.auckland.ac.nz/admissioncriteria](http://www.fmhs.auckland.ac.nz/admissioncriteria)
- Key application dates (pg. 14).

## Any questions?

For information on the selection process visit: [www.optometry.auckland.ac.nz/uoa/fu-entry-requirements](http://www.optometry.auckland.ac.nz/uoa/fu-entry-requirements)

See contact information pg. 16.



*"I have always had an interest in the health profession and optometry will give me the chance to make a difference in the community, while having the flexibility to work independently."*

*"I chose The University of Auckland because I knew experts within the optometry department regularly conduct research and continually make improvements to the field of optometry. The great thing about studying at Grafton Campus is we have direct access to one of the biggest optometry clinics in Auckland when we come to start our clinic work."*

**Alexandra Koutsokeras** is studying for a Bachelor of Optometry.

# Pharmacy

The Bachelor of Pharmacy (BPharm) explores themes in biomedical science, chemistry, population health, social science, pharmaceuticals, pharmacology and pharmacy practice. The programme is structured with an emphasis on research, clinical experience and interaction with the public, encouraging the development of your independent and critical thinking, practical skills in analysis, problem-solving and information management.

## Quick facts – BPharm

**Fulltime:** 4 years

**Points per degree:** 480

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

**Application closing date:** 1 November 2012

**Classes start:** 4 March 2013

Applicants should be New Zealand citizens or permanent residents. This study programme is not ordinarily available to international students.

## Highlights

- Programme developed in consultation with leading New Zealand pharmacists, reflecting the needs of contemporary and future pharmacy practice.
- The changing environment in healthcare means that pharmacists are now delivering enhanced services, in collaboration with other members of the healthcare team.
- Alliances formed during the shared interprofessional teaching embedded in our programme, result in established and enhanced relationships with members of the multidisciplinary healthcare team. This can mean in improved health outcomes for New Zealanders.

## What you'll be studying

In the first year (Part I) you will:

- Be introduced to key knowledge areas in Biology, Chemistry, Population Health, and Pharmacy Practice (see pg. 11 for Year 1 course details).
- Take a course from the General Education schedule.

In subsequent years (Parts II-IV) you will:

- Build your knowledge of biomedical, pharmaceutical and health sciences.
- Produce a final year dissertation, consolidating your research and analytical skills.
- Undertake practice placements in appropriate clinical settings under the guidance of experienced pharmacists.

## Sample BPharm degree structure

Part I	7	1
Part II	8	
Part III	6	1
Part IV	4	

■ Core courses (15 points)  
■ Core courses (30 points)  
■ General Education courses (15 points)

After graduation you will:

- Undertake a year-long pre-registration training programme, which upon successful completion of, you will be a registered pharmacist.

## Choose your career

You can work in a range of industries related to the manufacture, prescription and provision of medicines, or choose related industries such as medical publishing or pharmaceutical marketing. Potential careers include community pharmacist, health sector manager, hospital pharmacist, pharmaceutical researcher, pharmaceutical writer and prescribing adviser.

## Other pathways into the programme

Mature students and those with degrees or partially completed tertiary qualifications may apply under the Faculty of Medical and Health Sciences' alternative admissions scheme.

## How do you get in?

- Two approved pathways
  - School leavers with NCEA, CIE or IB
  - Non-school leavers with degrees or partially completed tertiary study
- For entry requirements information, including special entry schemes, visit: [www.fmhs.auckland.ac.nz/admissioncriteria](http://www.fmhs.auckland.ac.nz/admissioncriteria)
- Key application dates (pg. 14)



*"The flipside of studying at The University of Auckland is the people – especially in a degree like Pharmacy. I have made a lot of new friends and everyone round me is very supportive."*

*"The teaching staff are amazing and they often go out of their way to ensure we understand everything, as well as being open to feedback from us as students."*

*"Pharmacy will give me the perfect opportunity to make a positive difference in others' lives on a very personal level. The more I broaden my knowledge and practice new skills, the better chance I have of helping people."*

*"I'm still working through my options career-wise, but I want to become a clinical pharmacist at a hospital, working alongside doctors, nurses and other healthcare providers."*

**Peter Changoh Yoo** is studying for a Bachelor of Pharmacy.

## Any questions?

For information on the interview and selection process visit:

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

See contact information pg. 16

# Biomedical Science

The Biomedical Science programme is designed for students with an interest in emerging areas of basic medical science, such as genomics, microbiology and neuroscience, and its applications to improve human and animal health. The Biomedical Science programme aims to equip academically able students for a wide range of employment opportunities supporting science in industry, health and academic careers. Students are encouraged to pursue postgraduate studies in Biomedical Sciences upon completion of their BSc.

## Quick facts – Biomedical Science

**Fulltime:** 3 years

**Taught at:** City and Grafton Campuses

**Points per degree:** 360

**Application closing date:** 8 December 2012

**Classes start:** 4 March 2013

- Wide range of sub-specialisations to choose from.
- The first year may provide an entry route into undergraduate clinical programmes (see pg. 11 for Year 1 course details).
- Gain excellent research skills and the knowledge to work within some of the world's most rapidly advancing scientific fields.

## Sample BSc in Biomedical Science degree structure

Year 1	6	1	1
Year 2	4	4	
Year 3	7	1	

■ Core courses (15 points)

■ Elective courses (15 points)

■ General Education courses (15 points)

## Research strengths

A BSc in Biomedical Science degree allows sub-specialisation in these and other research areas which reflect where The University of Auckland has particular research strengths.

### Cancer biology and therapeutics

The establishment of the Auckland Cancer Society Research Centre (ACSRC) in the Faculty of Medical and Health Sciences provides a strong focus for a multidisciplinary research programme.

### Cardiovascular biology

A range of research to choose from including molecular and cellular issues relating to cardiac muscle cells and blood vessels, to human cardiovascular studies.

### Cellular and Molecular Biomedicine

Study at a fundamental level and apply it to the widest possible range of biomedical research themes.

### Genetics and development

Study into genetics and development explores how cells interact to build organisms and how the structure of organisms is influenced by the genome.

### Microbiology and immunology

Specialise in microbiology and immunology which integrates two of the most active areas of biomedical research.

### Neurobiology

Research in neurobiology deals with structures and mechanisms that underlie the function of the brain and nervous system in health and disease.

### Nutrition

Nutrition research explores increased understanding that inappropriate diet may be responsible for almost half of the global burden of non-communicable diseases, as well as significantly enhancing susceptibility to communicable diseases.

### Reproduction, growth and metabolism

Learn about the processes that lead to successful reproduction and how these can go wrong leading to infertility.

### Choose your career

Graduates of the Biomedical Science programme will have an internationally accepted qualification, excellent research skills and the knowledge to work within some of the world's most rapidly advancing scientific fields. For Biomedical Science graduates and particularly those with the appropriate subsequent postgraduate training, there are a variety of opportunities in universities, research institutes and pharmaceutical/biotechnology industries. Private sector employment in the latter fields is particularly strong in the United States and Europe. Significant growth in this area is anticipated in New Zealand.

### Interested in further study?

Options for continuing your studies at a postgraduate level include a Bachelor of Science (Honours) in Biomedical Science or postgraduate diplomas in either Biomedical Science or Health Sciences. These can be followed by masters or doctoral-level study.

### How do you get in?

- Two approved pathways
  - School leavers with NCEA, CIE or IB
  - Non-school leavers with degrees or partially completed tertiary study
- For entry requirements information visit: [www.science.auckland.ac.nz](http://www.science.auckland.ac.nz)
- Key application dates (pg. 14)

### Any questions?

See contact information pg. 16



*The initial facilities at the Grafton campus were good, but now with the addition of the new building the facilities have reached a very high standard. There is a new student common room and computer suite that is better suited for studying - the new labs are also well equipped.*

*I encourage all students to actively get involved in the University life. Studying is important and should not be neglected, but an equally balanced life between work and fun is essential. The faculty is full of bright and friendly students, so don't be afraid to join in others groups and discussions.*

**Brendan Tonson-Older** is studying for a Bachelor of Science (Honours) in Biomedical Science.

# Hikitia Te Ora

## Certificate in Health Sciences

The Certificate in Health Sciences (CertHSc) is a one-year foundation programme aimed at bridging Māori and Pacific students from secondary school study or from the community into programmes offered by the Faculty of Medical and Health Sciences. The programme covers a wide range of subjects from population health, biology and maths to academic professional development.

### Quick facts

#### – Hikitia Te Ora – CertHSc

**Fulltime:** 1 year

**Points per degree:** 120

**Taught at:** Tāmaki and Grafton Campuses

**Application closing date:** 8 December 2012

**Classes start:** 4 March 2013

### Highlights

- Designed especially for Māori and Pacific students who require extra learning in science-related topics necessary for ongoing success in courses offered by the Faculty of Medical and Health Sciences.
- Learn via a combination of lectures, tutorials, lab sessions and self-directed study within a culturally safe environment that's committed to your success.
- Meet a variety of Māori and Pacific health professionals who will visit your programme throughout the year.

### What you'll be studying

During this one-year study programme you will:

- Be introduced to concepts in physics, chemistry, population health, human biology, Māori health, Pacific health and mathematics.
- Learn academic and professional skills, such as note taking, time management, report writing and critical thinking.
- Be encouraged to develop confidence and independence in your learning.

### CertHSc courses

Title	Course
Introduction to Human Biology	MĀORIHTH 10H (S1)
Introduction to Population Health	MĀORIHTH 12H (S1)
Academic and Professional Development	MĀORIHTH 19H (S1)
Introduction to Mathematics for Health	MĀORIHTH 20H (S1)
Introduction to Chemistry	MĀORIHTH 15H (S2)
Introduction to Physics	MĀORIHTH 16H (S2)
Foundation Studies in Medical and Health Sciences	MĀORIHTH 18H (S2)
Plus one of the following two courses	
Introduction to Māori Health	MĀORIHTH 13H (S2)
Introduction to Pacific Health	MĀORIHTH 14H (S2)

S1 = Semester One, S2 = Semester Two

### Where can the programme take you?

Completing the Hikitia Te Ora – CertHSc will mean you're eligible to apply for entry into relevant programmes such as Health Sciences, Biomedical Science, Nursing and Pharmacy. Successful study in Health Sciences or Biomedical Science can lead to Medicine or Optometry.



*"One of the biggest highlights of my study with the Faculty of Medical and Health Sciences is the support and guidance given to me by the Te Kupenga Hauora Māori staff who work here – it is second to none. Everything is explained thoroughly and the atmosphere they create for the students makes studying enjoyable. The teaching programme is also well structured and the lecturers are more than willing to help out. The services are not only awesome but are everything a student could possibly need."*

**Barry Pene-Gestro** is studying for a Certificate in Health Sciences.

### How do you get in?

- For entry requirements information visit: [www.fmhs.auckland.ac.nz/admissioncriteria](http://www.fmhs.auckland.ac.nz/admissioncriteria)
- Key application dates (pg. 14).

### Any questions?

See contact information pg. 16.

# Study in Year 1

Course	BHSc	BSc (Biomedical Science)	BNurs	BOptom (Part I)	BPharm
<b>Applied Science for Nurses</b> (NURSING 104) (S1)			●		
<b>Biology for Biomedical Science: Cellular Processes and Development</b> (BIOSCI 107) (S1)	★	●	●	●	●
<b>Central Concepts of Biology</b> (BIOSCI 101) (S1)		●		●	
<b>Health Systems 1</b> (POPLHLTH 101) (S1)	●				
<b>Pharmacy Practice I</b> (PHARMACY 101) (S1)					●
<b>Population Health</b> (POPLHLTH 111) (S1)	●	★★	●	★★★	●
<b>Chemistry of the Living World</b> (CHEM 110) (S1)	★	●		●	●
<b>General Education Course</b>	● (S2)	● (S2)	● (S1)	● (S2)	● (S2)
<b>Physics for the Life Sciences</b> (PHYSICS 160) (S2)		●		●	
<b>Behaviour, Health and Development</b> (HLTHPSYC 122) (S2)	●		●		●
<b>Biology for Biomedical Science: Organ Systems</b> (MEDSCI 142) (S2)	●	●	●	●	●
<b>Foundations of Biochemistry</b> (BIOSCI 106) (S2)		●		●	●
<b>Health and Society</b> (POPLHLTH 102) (S2)	●				
<b>Nursing in Practice</b> (NURSING 105) (S2)			●		
<b>Approved Elective</b> (S1/2)	● <sup>1</sup>	● <sup>2</sup>		● <sup>3</sup>	
<b>Approved Elective</b> (S1/2)	● <sup>1</sup>				
<b>English Language Competency</b> (NURSING 199/ PHARMACY 199) (S2)			●		●

Notes:

S1 - Semester One. S2 - Semester Two.

- BHSc students intending to apply for entry to Medicine must take the starred (\*) courses for their approved electives.  
For details of alternative elective choices at Stage 1, see [www.calendar.auckland.ac.nz/regulations/medical/BHSc.html](http://www.calendar.auckland.ac.nz/regulations/medical/BHSc.html)
- BSc Biomedical Science students intending to apply for Medicine must take the starred (\*\*) course for their approved elective.  
For details of alternative elective choices, see [www.science.auckland.ac.nz/uoa/biomedical-science-ug](http://www.science.auckland.ac.nz/uoa/biomedical-science-ug)
- BSc students intending to apply for Optometry may take the starred (\*\*\*) course for their approved elective, but may also choose from the BSc schedule. See [www.calendar.auckland.ac.nz/regulations/science/BSc.html](http://www.calendar.auckland.ac.nz/regulations/science/BSc.html)



## International students

We welcome a diverse range of international students into the Faculty of Medical and Health Sciences at undergraduate level.

A number of undergraduate places are available within the faculty for international students in the following degrees:

- Bachelor of Health Sciences
- Bachelor of Medicine and Bachelor of Surgery
- Bachelor of Nursing
- Bachelor of Optometry

**Note: Bachelor of Pharmacy is not ordinarily available to international students.**

For more detailed information on entry requirements and key dates for international applicants, please contact the programme administrator (see pg. 15). For more general information please contact:

Auckland International

**Phone:** +64 9 373 7513

**Email:** [int-questions@auckland.ac.nz](mailto:int-questions@auckland.ac.nz)  
[www.auckland.ac.nz/international](http://www.auckland.ac.nz/international)

## Disabled students

The University and the faculty provide equal opportunities and an inclusive environment for disabled persons who are academically eligible to participate in and complete core requirements of an academic programme.

If you are a disabled student and are interested in applying for a faculty programme, or you acquire an impairment during the period of your study, you may need specific counselling to explore the feasibility of participating in your programme of choice. You and your academic advisers and counsellors will share responsibility for negotiating and developing solutions, and programme directors and faculty staff will consider each application on a case-by-case basis.

## General education

Courses in General Education are a distinctive feature of almost all University of Auckland bachelors degrees, including degrees in the Faculty of Medical and Health Sciences. The General Education programme has been designed to enable students to pursue their interests in fields related to, but outside the subjects of, their degree or in other fields altogether. Specific details on General Education courses approved for your degree will be provided in the enrolment guidance sent to all successful applicants.

For more information refer to the General Education website:

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

## FMHS conjoint programmes available for 2013

	BA	BCom	BHSc	BNurs	BSc	LLB
BHSc	•	•		•	•	•
BNurs			•		•	

## Key undergraduate application dates

Programme	Application closing date
Bachelor of Medicine and Bachelor of Surgery Bachelor of Pharmacy	1 November 2012
Bachelor of Optometry	1 December 2012
Certificate in Health Sciences Bachelor of Health Sciences Bachelor of Nursing Bachelor of Science - Biomedical Science specialisation available through the Faculty of Science	8 December 2012
Other key dates	
Courses and Careers Day. Find out about qualifications and programmes offered by The University of Auckland and experience campus life.	25 August 2012
Offer of places for all programmes made following receipt of results and completion of interview processes	30 January 2013
University Orientation Week – some faculty programmes offer a freshers' camp during this week	25 February 2013
Faculty Orientation Day	1 March 2013
Semester One begins	4 March 2013

# Student Services

## Student Centre

The Faculty of Medical and Health Sciences has its own Student Centre, dedicated to addressing student needs. The Student Centre is located on the ground floor of the faculty's Grafton Campus.

Staff can assist in a broad range of areas, including admissions, enrolments, scholarships, examinations, graduation, personal welfare, and accessing University-wide services. Confidential advice and assistance is also available.

In addition, information on services such as books, careers and employment, disability services, students' associations, student health services and childcare can be accessed online at:

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

For a list of scholarship opportunities visit:

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

To view our range of accommodation options visit:

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

Further information is available:

Visit us at Grafton Campus  
Ground Floor, Main Atrium

**Open:** Monday to Friday 8.30am–4.30pm

**Phone:** +64 9 923 4888

**Email:** [fmhs@auckland.ac.nz](mailto:fmhs@auckland.ac.nz)

## Library and Information Commons

The Philson Library on the Grafton Campus is The University of Auckland's Medical and Health Sciences Library, housing the main print collections in this area. The Library has invested heavily in electronic resources, and the Library website provides internet access to a world-class range of electronic databases, ejournals and ebooks. Subject librarians are available to assist students to learn about and access the information they require for study and research. Facilities include computers, printing and photocopying.

The Grafton Information Commons offers students access to over 100 computers as well as borrowable laptops, all of which provide access to a wide range of software. In addition there are scanners, photocopiers and printers as well as a Helpdesk Service, group study areas and casual seating.

Students based at the Tāmaki Innovation Campus have access to the Tāmaki Library and Information Commons which houses the main print collections for population health as well as providing access to 42 computers and 30 borrowable laptops. In addition there are scanners, photocopiers and printers as well as a Helpdesk Service and study seats.

Find out more at  
[www.library.auckland.ac.nz](http://www.library.auckland.ac.nz)

Philson Library: [www.library.auckland.ac.nz/subjects/med/medhome.htm](http://www.library.auckland.ac.nz/subjects/med/medhome.htm)

Tāmaki Library: [www.library.auckland.ac.nz/about/tamaki/tamaki.htm](http://www.library.auckland.ac.nz/about/tamaki/tamaki.htm)

## Campuses

The Faculty of Medical and Health Sciences is spread across two of the University's satellite campuses – Grafton and Tāmaki.

Grafton Campus is situated in the central city suburb of Grafton; the campus itself is adjacent to the Auckland Domain and opposite the Auckland Hospital. A 15-minute walk from Grafton brings students to the University's City Campus where a number of undergraduate lectures take place.

Grafton Campus is the base for students of the Medicine, Nursing, Optometry and Pharmacy programmes.

The faculty shares a close relationship with New Zealand's finest specialist hospitals through strategic alliances with major district health boards, providing students with unparalleled access to environments of clinical excellence.

Tāmaki Innovation Campus is home to the faculty's purpose-built School of Population Health which offers innovative research and teaching in population and community health. Unique to New Zealand, the school is setting new regional and international standards.

Students in the Bachelor of Health Sciences complete the majority of their degree at Tāmaki Innovation Campus.

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

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

## Admissions staff:



### MBChB and BPharm

Michelle Chung

**Phone:** +64 9 923 6744

**Email:** [fmhs@auckland.ac.nz](mailto:fmhs@auckland.ac.nz)



### BNurs

Sarah Dayal

**Phone:** +64 9 923 4763

**Email:** [s.dayal@auckland.ac.nz](mailto:s.dayal@auckland.ac.nz)



### Karen Dorrian

International Development Manager

**Phone:** +64 9 923 9377

**Email:** [k.dorrian@auckland.ac.nz](mailto:k.dorrian@auckland.ac.nz)



### BHSc

James Clark

**Phone:** +64 9 923 6340

**Email:** [je.clark@auckland.ac.nz](mailto:je.clark@auckland.ac.nz)



### BOptom

Janine Perkinson

**Phone:** +64 9 923 6180

**Email:** [j.perkinson@auckland.ac.nz](mailto:j.perkinson@auckland.ac.nz)



### Yvonne Marren

International Student Assistant

**Phone:** +64 9 923 1538

**Email:** [y.marren@auckland.ac.nz](mailto:y.marren@auckland.ac.nz)



### BSc - Biomedical Science

Associate Professor Larry Chamley

**Phone:** +64 9 923 7020

**Email:** [l.chamley@auckland.ac.nz](mailto:l.chamley@auckland.ac.nz)



### Vision 20:20 (MAPAS, CertHSc)

Ursula McIntyre

**Phone:** +64 9 923 5005

or 0800 20 20 99

**Email:** [u.mcintyre@auckland.ac.nz](mailto:u.mcintyre@auckland.ac.nz)

# Where to from here?

## Choose your programme

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



## Check the application closing dates and entry requirements

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



## Apply for a place in a programme

- Go to [www.apply.auckland.ac.nz](http://www.apply.auckland.ac.nz)
- Sign up for a new account.
- Complete the Application for Admission (indicating if you wish to be considered through one of the special entry schemes).

Note - Late applications for Medicine and Pharmacy will not be accepted. Late applications may be accepted for Nursing, Health Sciences and Bachelor of Science - Biomedical Science specialisation. However, priority may be given to applications received on or before the closing date.

Submit supplementary information forms (MH03/MH04). See website for information: [www.fmhs.auckland.ac.nz/faculty/undergrad/forms/default.aspx](http://www.fmhs.auckland.ac.nz/faculty/undergrad/forms/default.aspx)

You will receive an acknowledgement email asking you to provide specific certified documents before your application can be assessed. We'll also send you a Student ID number. You can use this to sign into your Application for Admission, check your application status and see the documentation you need to provide. If you don't have internet access, call us on 0800 61 62 63 so we can send you the Application for Admission form.

Please note you can apply for more than one programme.



## Attend interview (Medicine, Nursing and Pharmacy only)

Interviews for Medicine and MAPAS applications will be held in December 2012. Interviews for Pharmacy and Nursing (alternative admissions only) will be held in December 2012 and January 2013. See faculty website for key dates: [www.fmhs.auckland.ac.nz/faculty/undergrad/important-dates](http://www.fmhs.auckland.ac.nz/faculty/undergrad/important-dates)



## Offer of place

If your application is successful, we'll email you an offer of place. This normally happens from mid-January.

You can check the status of your Application for Admission at any time by signing in using your Student ID and password.

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

You may receive a conditional offer but final approval will be dependent on fulfilment of the conditions of admission to BOTH the University and the programme. The faculty will send you a welcome pack with important information for the commencement of your studies.



## Accept your offer of place

Sign into your Application for Admission ([www.apply.auckland.ac.nz](http://www.apply.auckland.ac.nz)) and accept or decline your offer of place. Medical and Pharmacy students must do this by the deadline stipulated in the welcome pack.



## Enrol in your courses

Your welcome pack contains a full enrolment guide. You can enrol in courses on Student Services Online ([www.studentservices.auckland.ac.nz](http://www.studentservices.auckland.ac.nz))



## Pay your fees

You can pay your fees online by internet banking, credit card, direct credit, EFTPOS, personal cheque, bank cheque, student loan or scholarship.

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



## Need help?

AskAuckland has answers to frequently asked questions 24 hours a day, 7 days a week. Visit [www.askauckland.ac.nz](http://www.askauckland.ac.nz).

### Contact

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

Phone: 923 4888 (within Auckland)  
0800 61 62 63 (outside Auckland)  
+64 9 373 7513 (overseas)  
Fax: +64 9 308 2380  
Email: [fmhs@auckland.ac.nz](mailto:fmhs@auckland.ac.nz)  
Web: [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)