

Your future in health

2019 edition

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sydney.edu.au
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+61 2 8627 1444 (outside Australia)



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Cover image: Neural network – a series of interconnected neurons which, when activated, defines a recognisable linear pathway. Neural networks have been used in healthcare to interpret electrocardiograms and to make and suggest diagnoses, iStock/Inok.



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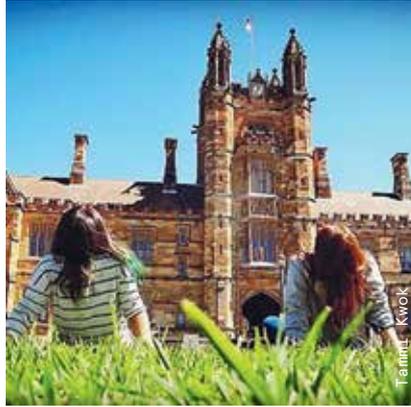
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MEDICINE AND HEALTH AT THE UNIVERSITY OF SYDNEY.

Get ready for a career in which curiosity makes
a difference to millions of lives.

As one of the Asia-Pacific region's most highly rated education
and research institutions, the University of Sydney's Faculty
of Medicine and Health Sciences will prepare you for leading
roles in health fields in Australia and around the world.



Why study medicine and health?

So you're starting to think about your undergraduate options for a career in medicine and health. But how do you know whether pursuing a career in dentistry, health sciences, medical sciences, medicine, nursing, pharmacy or public health is right for you?

Start by checking if any of the following statements sound like you:

- I'd love to see the impact of my work make a real difference to the wellbeing of individuals, families and communities.
- I've always been interested in science and how the body works.
- I enjoy caring for people and often put others first.
- I love a challenge and learning new things.
- Healthcare excites me and I'm intrigued by new ideas in medical treatments.
- I'm a good listener and communicator, which makes me a great people person.
- I want a flexible career where I can take my work anywhere, including overseas.

If you find yourself agreeing with these statements, chances are you have the right personality for a career in medicine and health, and we have the right course for you.



MEDICINE AND HEALTH AT THE UNIVERSITY OF SYDNEY

A truly multidisciplinary environment for education and research in the 21st century combining dentistry, health sciences, medical sciences, medicine, nursing, pharmacy and public health.

Established in April 2018, the University's new Faculty of Medicine and Health comprises:

- The University of Sydney School of Dentistry
- The School of Medical Sciences
- The University of Sydney School of Medicine
- The University of Sydney School of Pharmacy
- The University of Sydney School of Public Health
- The University of Sydney Susan Wakil School of Nursing and Midwifery



1856
Sydney Medical School established. It is the first medical school in Australia.



1899
The University begins educating pharmacists through the Materia Medica course for pharmacy students.



1901
Sydney Dental School opens at Chalmers Street with 17 students, offering a three-year curriculum leading to a Licence in Dentistry.

Timeline



1975
Cumberland begins offering post-registration nursing courses – previously they were conducted by the NSW College of Nursing.

1978
The Westmead Clinical School at Westmead Hospital opens. It serves the largest area and population of any of the University of Sydney's clinical schools.

1981
The Westmead Centre for Oral Health opens as part of the Faculty of Dentistry at Westmead Hospital.

1990
Cumberland College of Health Sciences is re-established as an academic college of the University.

2001
The School of Medical Sciences is formed.



The Faculty of Health Sciences will remain a separate faculty while it is located at the Cumberland Campus (Lidcombe, NSW). It will join the Faculty of Medicine and Health at a later date to become the University of Sydney School of Health Sciences.

10 clinical schools located across NSW

- The University of Sydney Central Clinical School
- The University of Sydney Children’s Hospital Westmead Clinical School
- The University of Sydney Concord Clinical School
- The University of Sydney Nepean Clinical School
- The University of Sydney Northern Clinical School
- The University of Sydney Adventist Hospital Clinical School
- The University of Sydney Westmead Clinical School
- School of Rural Health (headquartered in Dubbo and Orange)
- The Broken Hill University Department of Rural Health
- The University Centre for Rural Health (headquartered in Northern Rivers).



1930

The Sydney School of Public Health is established. It is the first of its kind in Australia.



1949

NSW College of Nursing established. Nursing students are taught by University of Sydney lecturers at the college.



1973

The Cumberland College of Health Sciences is established at Lidcombe. The college teaches courses in physiotherapy, occupational therapy, speech therapy and orthoptics.



2016

Sydney Nursing School begins teaching the Master of Nursing (Graduate Entry) course at Westmead.

2018

The Faculty of Medicine and Health is established.

2020

Parts of the Faculty of Medicine and Health will move into a purpose-built health precinct on the Camperdown campus.



A WORLD OF OPPORTUNITY

Studying in the areas of medicine and health at the University of Sydney will open your horizons to an extensive network of world-leading researchers, institutes and clinical schools in your chosen field.

Our state-of-the-art facilities and innovative curriculum offer the latest theoretical knowledge and practice-based learning to prepare you for a career as a doctor, nurse, dentist, physiotherapist, medical researcher and many other health professional roles.

Experts

Since 1856, the University of Sydney has been producing world leaders in health, health education and research. Our graduates include pioneers such as heart transplant surgeon and researcher Victor Chang, research biologist Sir Gustav Nossal, and leading adolescent psychiatrist (and former governor of NSW) Dame Marie Bashir.

Our highly respected researchers, practitioners and clinicians are dedicated to teaching the next generation of leaders in healthcare. This is one of the reasons why many of our graduates go on to change lives for the better.

Rankings

Our faculties and schools consistently rank highly in the international university rankings, upholding our reputation for quality education and research. We have been ranked first in Australia and second globally for sports-related disciplines while Medicine, Nursing and Pharmacy are placed second in Australia.

State-of-the-art facilities

Development of our proposed Health Precinct in 2020 will, for the first time bring multiple health disciplines together in a purpose-built facility that translates research into education and clinical services.

Study abroad

The Hoc Mai Foundation gives you the chance to study and learn in Vietnam. These opportunities are available to a range of students studying health degrees.

– sydney.edu.au/medicine/hocmai/scholarships

You may also be able to undertake a semester of study abroad at one of our partner universities around the world. The Faculty of Health Sciences' FHS Abroad program allows senior undergraduate students to take an elective unit of study overseas (Vietnam, Cambodia or India) at a community-based organisation in a health services field.

– sydney.edu.au/health-sciences/fhs-abroad

Bachelor of Nursing (Advanced Studies) students may be eligible to undertake a four-week placement overseas in Taiwan, Sweden or the Netherlands.

Final-year undergraduate pharmacy students may be eligible for international exchanges to countries such as Denmark, the United Kingdom, the United States, Germany and New Zealand. Bachelor of Oral Health students have the option of undertaking a student exchange in Vietnam, Cambodia and Japan.



Scholarships

We offer a wide range of scholarships throughout the year, including equity, subject-based, high-achiever and overseas-exchange scholarships. Check our website for details.

– sydney.edu.au/faculty-scholarships

Each year, Sydney Nursing School offers six generous Susan Wakil scholarships to Bachelor of Nursing (Advanced Studies) students.

– sydney.edu.au/nursing/wakil-scholarships

Leadership

All students enrolled in Faculty of Health Sciences courses have the opportunity to participate in the Leadership Development Program, which nurtures future industry leaders so they can improve health outcomes in Australia and around the world.

– sydney.edu.au/health-sciences/leadership-program

High-achieving students with an ATAR (or equivalent) of 98+ may be invited to join the Dalyell Scholars program. This program aims to cultivate leadership and professional expertise in our students. See page 40 for more information.

Diversity

You'll be surrounded by a diverse range of people as you learn. At Sydney Pharmacy School, more than half of the academic staff speak more than one language and come from a range of backgrounds including Asia, the United Kingdom, India, Russia and the Arab states.

Mentoring and student support

You can form social networks and receive learning support through the Belong@FHS program for all undergraduate students at the Faculty of Health Sciences, or through Sydney Nursing School's Culturally and Linguistically Diverse (CALD) program for international students.

– sydney.edu.au/health-sciences/belong-mentoring
– sydney.edu.au/nursing/student-support

The Accelerate Communication Excellence (ACE) program is available for all first-year students enrolled at the Faculty of Health Sciences. It is an online platform that has been developed to improve the professional communication competence of all first-year students ahead of their first clinical placement.

– sydney.edu.au/health-sciences/ace

Yooroang Garang is the Aboriginal and Torres Strait Islander Student Support Centre, located at the Faculty of Health Sciences at the Cumberland Campus. The Centre provides support programs such as the Cadigal Program, an admission scheme for alternative University entrance for Aboriginal and Torres Strait Islander students and the Aboriginal Health Sciences Support Program.

– sydney.edu.au/yooroang-garang

Other opportunities

We also offer a range of clubs and societies, the opportunity to serve on a faculty board, student representation groups, ambassadorships and volunteering opportunities.



**Bachelor of Applied Science
(Physiotherapy) (1997)**

Phil Coles

Director of Performance and Medical
Department, San Antonio Spurs,
Texas, United States



Bachelor of Pharmacy (2009)

Abbie Lawrie

Esprit Finance Associate,
GlaxoSmithKline
London, United Kingdom



Bachelor of Pharmacy (2008)

Anne Nguyen

Project Leader,
Boston Consulting Group
New York City, United States

GRADUATE DESTINATIONS

A degree in health is your passport to a global career. These are just a few of the places where you'll find our graduates.



 **Bachelor of Medicine/
Bachelor of Surgery (1981)**

Dr Margaret Harris
Senior Scientific Writer, Infectious
Hazard Management, WHO Health
Emergencies Program
Geneva, Switzerland



 **Bachelor of Oral Health (2014)**

Marium Mehdi
Dental Hygienist
Ocean Medical Centre
Doha, Qatar



**Bachelor of Applied Science
(Speech Pathology) (2006)**

Ann Nitha Ungsuprasert
Speech Language Pathologist,
St Andrews International School,
Bangkok, Thailand



**Bachelor of Applied Science
(Exercise and Sport Science) (2006)**

Ben Gwilliam
Head Physiotherapist, Cricket Malawi,
Malawi, East Africa

CLINICAL AND WORK PLACEMENTS

Clinical placements, fieldwork and service learning are major components of most of our health courses. They give you the opportunity to gain real world, hands-on training through our extensive network of top-tier hospitals, as well as community and public health facilities, across metropolitan, regional and rural NSW.

Clinical placements are integral to gaining your professional accreditation and offer immense networking opportunities. At the University of Sydney, we have the largest range of clinical placement partners in NSW.

Students in the Bachelor of Applied Science (Diagnostic Radiography, Exercise and Sport Science, Exercise Physiology, Occupational Therapy, Physiotherapy, Speech Pathology) undertake clinical placements in urban and rural settings and the health, disability, education and private sectors.

Students of the Bachelor of Nursing (Advanced) and combined degree nursing undertake clinical practice in emergency departments, intensive care units, paediatric units, mental health facilities and community health centres, with the opportunity to undertake a clinical placement overseas.

Bachelor of Oral Health students provide dental care to public patients within two teaching hospitals at the Westmead Centre for Oral Health and Sydney Dental Hospital. They also undertake rural placements and complete an external placement in third year.



Bachelor of Pharmacy and Bachelor of Pharmacy and Management students undertake a total of three two-week block placements during their degree, with two of them in the final year.

Students undertaking double degrees in the Doctor of Medicine or the Doctor of Dental Medicine will also undertake clinical placements during their course.

What should I do before my placement?

You'll need to undertake CPR and first aid courses ahead of your first placement. These can be taken on campus during Semester 1.

You'll also need to undertake a Criminal Record Check (CRC) as a condition of gaining access to NSW Health Department facilities. Certain vaccinations are also required ahead of your first placement.

– sydney.edu.au/study/course-checks

How are placements organised?

Your placement is arranged and supported by your school or faculty. You will be informed at least four weeks before your placement by your faculty placement office. Placements may fall outside regular semester dates.

Where will I be placed?

You will be able to nominate preferences, but we cannot guarantee exactly where you will be placed as placements are in high demand throughout Australia. Placements can be in local hospitals, private and public clinics, schools, early intervention contexts, disability and mental health services, and in rural areas.





“My off-campus placements have been some of the best experiences of my life. I have learnt so much about different areas of speech pathology, and my love of the profession has only grown.”

Meredith Munnoch
Bachelor of Applied Science
(Speech Pathology)

“Clinical placements have tested and extended what I’ve learnt in class. I’ve discovered that the way I approach patients and their families has to be unique to their particular needs and life circumstances. There’s no ‘one size fits all’ to clinical nursing.”

Grace Allen
Bachelor of Nursing (Advanced Studies)



START YOUR JOURNEY HERE

You may have a particular career path or qualification in mind. Whatever you choose, our programs will give you the experience and knowledge to become an engaged, enquiring and globally aware healthcare professional. Below are the courses we offer you to take the first steps on your journey.

To become a	Start with a	Page
Dentist	Bachelor of Science/Doctor of Dental Medicine or an undergraduate degree followed by a Doctor of Dental Medicine	37
Diagnostic radiographer	Bachelor of Applied Science (Diagnostic Radiography) or a Bachelor of Science (Health) followed by a Master of Diagnostic Radiography	14 32
Dietitian	Bachelor of Science/Master of Nutrition and Dietetics	34
Doctor	Bachelor of Arts or Bachelor of Science/Doctor of Medicine or an undergraduate degree followed by a Doctor of Medicine	36
Exercise and sport scientist	Bachelor of Applied Science (Exercise and Sport Science)	15
Exercise physiologist	Bachelor of Applied Science (Exercise Physiology) or a Bachelor of Science (Health) followed by a Master of Exercise Physiology	16 32
Occupational therapist	Bachelor of Applied Science (Occupational Therapy) or a Bachelor of Science (Health) followed by a Master of Occupational Therapy	17 32
Oral health therapist	Bachelor of Oral Health	27
Pharmacist	Bachelor of Pharmacy or Bachelor of Pharmacy and Management or an undergraduate degree followed by a Master of Pharmacy	28 30
Physiotherapist	Bachelor of Applied Science (Physiotherapy) or a Bachelor of Science (Health) followed by a Master of Physiotherapy	18 32
Registered nurse	Bachelor of Nursing (Advanced Studies); or a combined nursing degree: Bachelor of Arts, Bachelor of Science or a Bachelor of Science (Health)/Master of Nursing	22 23
Speech language pathologist	Bachelor of Applied Science (Speech Pathology) or a Bachelor of Science (Health) followed by a Master of Speech Language Pathology	20 32
Health management, health policy and administration, health product development, Indigenous health, international aid and development, pharmaceutical industry, rehabilitation counsellor.	Bachelor of Nursing (Advanced Studies) Bachelor of Pharmacy Bachelor of Pharmacy and Management Bachelor of Science (Health) Bachelor of Science/Bachelor of Advanced Studies (Health)	22 28 30 32 33

BACHELOR OF APPLIED SCIENCE (DIAGNOSTIC RADIOGRAPHY)

Learn to use equipment ranging from small mobile X-ray machines to larger units, from MRI and CT scanners to sophisticated cardiac units, enabling timely and accurate patient diagnoses.

Diagnostic radiographers work closely with cardiologists in imaging heart disease, with surgeons during a range of operations, and with doctors in the emergency room.

As a diagnostic radiography student, you will learn to work with radiologists to employ a range of technologies, according to the information provided in a medical practitioner's request, to create images that can help provide an accurate diagnosis.

During this four-year degree you will have significant clinical and professional fieldwork opportunities, gaining hands-on experience with real clients in a supervised environment. (Note: placements are based on competency rather than time.)

Graduate opportunities

This degree is accredited by the Medical Radiation Practice Board of Australia and is an approved program of study for general registration as a diagnostic radiographer.

Graduates can work in a range of settings, such as small regional clinics, large metropolitan imaging departments, and hospital emergency departments.

Year 1
Foundations of Biomedical Science
Foundations of Work Integrated Learning
Health, Behaviour and Society
Health Physics and Radiation Biology
Imaging Technology 1
Medical Radiation Physics
Structure, Function and Disease A
Structure, Function and Disease B
Year 2
Image Optimisation and Processing
Imaging Technology 2
Radiographic Evaluation 1
Radiographic Evaluation 2
Radiographic Science 1
Radiographic Science 2
Radiography Work Integrated Learning 1
Radiography Work Integrated Learning 2
Year 3
Health and Indigenous Populations
Imaging Through the Lifespan
Professional Issues and Leadership
Radiographic Science 3
Radiography Work Integrated Learning 3
Radiography Work Integrated Learning 4
Select one from: FHS Abroad, Health and Globalisation; or International Health
Elective (as approved)*
Year 4
Comparative Imaging
Radiographic Evaluation 3
Radiography Work Integrated Learning 5
Radiography Work Integrated Learning 6
Radiography Work Integrated Learning 7
Radiography Work Integrated Learning 8
Elective*
Professional Project (Capstone)*



* Students in the honours program enrol in three specific honours units (Honours A: Research Design, Honours B: Applied Research Skills and Honours C: Research Project) in years 3 and 4, in lieu of these units.

Course details

2019 Domestic ATAR/IB:

95/37 (indicative)**

UAC code: 512630

Duration: 4 years (full time)

Recommended studies:

Mathematics plus one of Physics, Biology or Chemistry

E12 entry scheme: available

** Find out more about guaranteed and indicative scores on page 38.

– sydney.edu.au/courses/bachelor-of-applied-science-diagnostic-radiography

BACHELOR OF APPLIED SCIENCE (EXERCISE AND SPORT SCIENCE)

Develop your skills to integrate exercise and physical activity with disease prevention and the promotion of good health, rehabilitation, nutrition and sports performance.

Exercise scientists help people recover from injury, maximise the performance of elite athletes, promote healthy ageing and generally improve people's health and wellbeing.

Your studies will cover all aspects of exercise and sport science, including musculoskeletal anatomy, body systems, muscle mechanics and training, neuroscience, nutrition, exercise testing and prescription, and motor control and learning.

The course includes fieldwork opportunities with real clients in a supervised environment. By completing at least 140 hours of approved professional experience, you will combine academic knowledge with the practical abilities required of the profession.



Graduate opportunities

Graduates are eligible to apply for membership with Exercise and Sport Science Australia and professional registration as an exercise scientist.

Our graduates choose careers in the sport, fitness and health industries; work health and safety; injury prevention; public health; exercise rehabilitation; research and technology; education and health; and medical insurance.

Course details

2019 Domestic ATAR/IB:

82/29 (indicative)*

UAC code: 512652

Duration: 3 years (full time)

Assumed knowledge:

Chemistry, Mathematics

E12 entry scheme: available

* Find out more about guaranteed and indicative scores on page 38.

– sydney.edu.au/courses/bachelor-of-applied-science-exercise-and-sport-science

Year 1

Body Systems: Structure and Function

Biomechanics of Human Movement

Foundations of Biomedical Science

Functional Musculoskeletal Anatomy A

Functional Musculoskeletal Anatomy B

Fundamentals of Exercise Science

Health, Behaviour and Society

Muscle Mechanics and Training

Year 2

Biomechanical Analysis of Movement

Exercise Physiology and Biochemistry

Exercise Physiology – Training Adaptations

Exercise Testing and Prescription

Growth, Development and Ageing

Health Science and Research

Neuroscience

Nutrition, Health and Performance

Year 3

Exercise, Health and Disease

Motor Control and Learning

Professional Practice

Sport and Exercise Psychology

Choose four approved electives from across the faculty or University.

Possible electives include:

- Anatomical Analysis of Exercise
- Biomechanics of Sports Techniques
- Designing a Research Project
- Exercise and Rehabilitation
- Exercise Pharmacology and Immunology
- FHS Abroad
- Interdisciplinary eHealth
- Management, Marketing and the Law
- Physiological Testing and Training
- Environmental Stress and Physiological Strain
- Physical Activity and Population Health

Honours is offered in fourth year to high-achieving students.

BACHELOR OF APPLIED SCIENCE (EXERCISE PHYSIOLOGY)

Acquire the knowledge, competencies and clinical experience required to deliver exercise and behavioural change programs for the prevention and management of chronic disease.

Exercise physiologists specialise in the delivery of exercise and behavioural change for the prevention and management of conditions such as cardiovascular disease, diabetes, osteoporosis, obesity, mental illness, cancer and arthritis.

As an exercise physiology student, you will learn to assess physical and functional capacity, identify risks and design targeted, functional and sustainable exercise programs.

Through more than 500 hours of clinical experience, you will apply your knowledge and gain substantial practical experience working with different clients in settings such as gyms, hospitals and on-site clinics.

Graduate opportunities

Once you graduate, you will be eligible to apply for accreditation as an exercise physiologist and exercise scientist through Exercise and Sport Science Australia.

Accredited exercise physiologists can work across all sectors of healthcare, including cardiac and musculoskeletal rehabilitation, mental health, long-term rehabilitation following spinal cord injury, ageing and programs for people with an intellectual disability.

Year 1
Biomechanics of Human Movement
Body Systems: Structure and Function
Foundations of Biomedical Science
Functional Musculoskeletal Anatomy A
Functional Musculoskeletal Anatomy B
Fundamentals of Exercise Science
Health, Behaviour and Society
Muscle Mechanics and Training
Year 2
Biomechanical Analysis of Movement
Exercise Physiology and Biochemistry
Exercise Physiology – Training Adaptations
Exercise Testing and Prescription
Growth, Development and Ageing
Nutrition, Health and Performance
Neuroscience
Practice in Clinical Exercise Physiology
Year 3
Exercise Across the Lifespan
Exercise and Rehabilitation
Exercise, Health and Disease
Exercise Pharmacology and Immunology
Motor Control and Learning
Practicum with Low-Risk Clients
Sport and Exercise Psychology
Health Science and Research*
Year 4
Case Studies 1 Clinical Exercise Science
Case Studies 2 Clinical Exercise Science
Clinical Placement 1
Clinical Placement 2
Clinical Placement 3
Clinical Placement 4
Two electives*

Possible electives include:

- Anatomical Analysis of Exercise
- Environmental Stress and Physiological Strain
- FHS Abroad
- Management, Marketing and the Law
- Physical Activity and Population Health
- Physiological Testing and Training
- Workplace Injury/Prevention Management.

* Students in the honours program enrol in three specific honours units (Honours A: Research Design, Honours B: Applied Research Skills and Honours C: Research Project) in years 3 and 4, in lieu of these units.

Course details

2019 Domestic ATAR/IB:

90/33 (*indicative*)**

UAC code: 512652

Duration: 4 years (full time)

Assumed knowledge:

Chemistry, Mathematics

E12 entry scheme: available

* Find out more about guaranteed and indicative scores on page 38.

– sydney.edu.au/courses/bachelor-of-applied-science-exercise-physiology

BACHELOR OF APPLIED SCIENCE (OCCUPATIONAL THERAPY)

Learn how to help people with disabilities, people recovering from injury and those with chronic conditions to overcome barriers that may be preventing them from participating fully in life.

Occupational therapists work with individuals and groups of all ages and needs in a variety of settings including hospitals, rehabilitation centres, private practice and community services. They also work in areas such as early intervention, mental health, health promotion, insurance and workers' compensation, education, consultancy, industry and accessibility.

During this four-year degree, you will cover a wide range of topics including human anatomy, neurosciences, occupational therapy theory and practice, psychology and social sciences.

Through more than 1000 hours of supervised clinical placement you will gain hands-on experience with real clients, learning to combine your knowledge with the practical abilities required of the profession.

Graduate opportunities

Graduates are eligible to apply for registration with the Occupational Therapy Board of Australia and membership of Occupational Therapy Australia and the World Federation of Occupational Therapists.

The diversity of this field means you could work one-on-one in rehabilitation with stroke or cancer survivors, with babies in a neonatal intensive care unit or young adults in a community mental health program.

Year 1
Analysing Occupations and Performance
Functional Musculoskeletal Anatomy A
Health Science and Research
Occupational Performance: Healthcare 1
Professional Practice 1
Teaching Occupations and Performance Understanding
Occupation-People-Context
Elective (non-OT)
Year 2
Health, Behaviour and Society
Neuroscience
Occupational Performance: Child and Family
Occupational Performance: Community
Occupational Performance: Healthcare 2
Occupational Performance: Home and Family
Professional Practice 2
Elective (non-OT)
Year 3
Professional Practice IIIA
Professional Practice IIIB
Occupational Performance: Education
Occupational Performance: Productivity
Occupational Performance: Retirement
Elective (non-OT)*

Year 4
Evaluation in Professional Practice
Health Promotion Through Occupation
Professional Practice IV
Three electives (OT or non-OT)*
Possible electives include:
- Mental Health Interventions
- OT in Learning and Coordination Difficulties
- OT in Work Injury Prevention and Rehabilitation
- People with Intellectual Disability
- Professional Elective - General
- Stroke Rehabilitation
- Technology for Living
- Upper Limb and Hand Rehabilitation.

* Students in the honours program enrol in three specific honours units (Honours A: Research Design, Honours B: Applied Research Skills and Honours C: Research Project) in years 3 and 4, in lieu of the elective units. Note that some of the core unit requirements for OT honours are also different.

Course details

2019 Domestic ATAR/IB: 92/34 (indicative)**

UAC code: 512600

Duration: 4 years (full time)

Recommended studies: Biology

E12 entry scheme: available

** Find out more about guaranteed and indicative scores on page 38.

- sydney.edu.au/courses/bachelor-of-applied-science-occupational-therapy

BACHELOR OF APPLIED SCIENCE (PHYSIOTHERAPY)

Learn how to assess, diagnose and treat movement problems caused by a wide variety of joint, muscle and nerve disorders, and help people avoid injury and maintain a healthy body.

As a physiotherapy student, you will learn through state-of-the-art simulations and practical experiences how to employ a range of drug-free techniques to treat and prevent injuries.

In addition to the high-profile sports side of physiotherapy, graduates also practise in roles that contribute significantly to the wider community, such as the management of neurological conditions, movement disorders, rehabilitation and recovery.

During this four-year degree, you will gain a comprehensive knowledge of physiotherapy, including areas such as musculoskeletal anatomy, neuroscience, respiratory and cardiac conditions, paediatric physiotherapy and preventative healthcare.

The Bachelor of Applied Science (Physiotherapy) incorporates important clinical and professional fieldwork opportunities, providing hands-on experience with real clients in a supervised environment. (Note: placements are based on competency rather than time.)

You will undertake a one-week clinical placement in your first year followed by five five-week clinical placements in years 2, 3 and 4.

Graduate opportunities

This program is accredited by the Australian Physiotherapy Council on behalf of the Australian Health Practitioner Regulation Agency. Upon graduation, you are eligible to apply for registration as a physiotherapist with the Physiotherapy Board of Australia.

You can choose from a diverse range of physiotherapy and health promotion career options in both the public and private sectors, in settings such as healthcare organisations, sports, schools and community, and private practice.

Many of our students obtain graduate physiotherapist positions in the NSW public health system, assessing and treating inpatients and outpatients.

Course details

2019 Domestic ATAR/IB:
99/42 (indicative)*

UAC code: 512605

Duration: 4 years (full time)

Assumed knowledge: Chemistry, Physics

Recommended studies:
Mathematics

E12 entry scheme: available

* Find out more about guaranteed and indicative scores on page 38.

– sydney.edu.au/courses/bachelor-of-applied-science-physiotherapy



Year 1
Body Systems: Structure and Function
Foundations of Physiotherapy Practice A
Foundations of Physiotherapy Practice B
Functional Musculoskeletal Anatomy A
Functional Musculoskeletal Anatomy B
Health, Behaviour and Society
Muscle Mechanics and Training
Neuroscience
Year 2
Clinical Practicum A
Exercise Physiology for Clinicians
Motor Control and Learning
Preventative Health Care
PT in Musculoskeletal Conditions A
PT in Musculoskeletal Conditions B
PT in Neurological Conditions A
PT in Respiratory and Cardiac Conditions A
Year 3
Clinical Practicum B
Clinical Practicum C
Paediatric Physiotherapy
Physiotherapy in Multisystem Problems
PT in Musculoskeletal Conditions C
PT in Neurological Conditions B
PT in Respiratory and Cardiac Conditions B
Elective*
Year 4
Advanced Professional Practice A
Advanced Professional Practice B
Clinical Practicum F
Physiotherapy in Sport and Recreation
Physiotherapy Practicum D
Physiotherapy Practicum E
Two electives*
Possible electives include:
– Bodily Senses in Health and Disease
– Cancer: Prevention through to Palliation
– Clinically Oriented Anatomy in Exercise
– Environmental Stress and Physiological Strain
– FHS Abroad
– Interdisciplinary eHealth
– Physical Activity and Population Health.

* Students in the honours program enrol in three specific honours units (Honours A: Research Design, Honours B: Applied Research Skills and Honours C: Research Project) in years 3 and 4, in lieu of the elective units.



Phil Coles

Director of Medical Services
San Antonio Spurs (basketball)
Bachelor of Applied Science (Physiotherapy) 1998

What are your career highlights?

I've been really lucky so far. I went to the FIFA World Cup as head of physiotherapy with the Socceroos, attended the Carling Cup and the FA Cup as head of physiotherapy for Liverpool Football Club (in the UK) and was part of the team that saw the Newcastle Knights get through to the National Rugby League grand final qualifier.

How did your time at the University help you in your professional life?

The University of Sydney taught me to think about and understand the process of decision making and the value of objective measurement. Without my undergraduate degree in physiotherapy I would never have had the opportunity to work in sport.

What advice would you offer new students?

Focus on understanding the material and learning to follow a process that allows you to grow and evolve. Get out in the community and gain physiotherapy experience in as many different sports as you can. Meet as many people as you can. Learn from as many people as you can. Don't underestimate your skills – you have a lot of value to bring to a sporting club, so don't underestimate or undersell that.

What are your career aspirations?

I want to keep progressing and make sure I find the right club and environment that suits my philosophies and allows me to have some positive influence. Here at the San Antonio Spurs, I've found that. I'm enjoying the general experience of working in the National Basketball Association in the United States and will hopefully get to be part of the finals at some point.

BACHELOR OF APPLIED SCIENCE (SPEECH PATHOLOGY)

Study our Bachelor of Applied Science (Speech Pathology) and improve the quality of life of people with a communication or swallowing disability by assisting them to communicate and participate more effectively in their community.

Learn from leading experts researching and practising in a range of specialist areas in communication sciences and disorders.

Through hands-on learning and clinical practice, you will develop the ability to work with children and adults with communication difficulties caused by congenital or developmental problems, illness and emotional or physical trauma.

Communication disabilities are the result of problems with speech, using and understanding language, voice, fluency, hearing, or reading or writing. You will develop the clinical, professional and research skills required to assess and treat communication and swallowing disorders.

Clinical practice is an integral part of the program. Case-based learning and observation commences in first year while clinical practice starts in second year and continues to your last semester of study in fourth year. (Note: placements are based on competency rather than time.)

Under supervision, clinical practice takes place in the on-campus clinic, early childhood centres, private practice, hospitals, community health centres, developmental disability services, schools and specialist clinics. At least one clinical placement will take place outside of the Sydney metropolitan area.

During this four-year degree you will study a wide range of areas in speech pathology, including speech science, linguistics and phonetics, neuroscience, motor speech and dysphagia, and counselling and behaviour management for communication disorders.

You will be required to communicate fluently and effectively in high-level spoken and written English, and we recommend a bridging course in grammatical analysis for all commencing students. We welcome applications from students with disabilities as well as students who are fluent in a community language.

Graduate opportunities

Graduates of this four-year degree meet the eligibility requirements for practising membership status with Speech Pathology Australia.

Speech pathologists work in diverse settings, including public and private hospitals, community health, mental health services, aged-care facilities, schools and disability services. As a speech pathology graduate, you may also work in private practice, with the potential to operate your own business as a private practitioner.

A career in speech pathology gives you the rewarding opportunity to work within health and school teams in metropolitan, rural communities and even overseas. Your degree can also be the first step for further research within a particular area of speech pathology.



Year 1
Foundations of Biomedical Science (or elective)
Hearing Science and Audiology
Human Communication
Linguistics and Phonetics
Neuroscience 1: Communication Disorders
Speech Science
Stuttering
Health, Behaviour and Society
Year 2
Child Language
Cognitive Neuropsychology
Introductory Practice 1: Clinical; or Introductory Practice 1: Community
Introductory Practice 2: Clinical; or Introductory Practice 2: Community
Motor Speech and Dysphagia
Neuroscience II: Communication Disorders
Speech Sound Disorders
Voice and Voice Disorders

Year 3
Counselling and Behaviour Management for Communication Disorders
Intermediate Clinic 1: Child; or Intermediate Clinic 1: Adult
Intermediate Clinic 2: Adult and Community; or Intermediate Clinic 2: Child and Community
Lifelong Disability and Augmentative and Alternative Communication
Neurogenic Language Disorders
Phonology, Language and Literacy
Specialist Studies
Speech Pathology Research Methods*
Year 4
Evidence-Based Practice for Speech Pathology*
Advanced Practice: Adult
Advanced Practice: Clinical
Advanced Practice: Community
Advanced Practice: Paediatric
Professional Issues*
Possible electives include:
– Body Systems: Structure and Function
– Functional Musculoskeletal Anatomy A
– Fundamentals of Rehabilitation
– Health, Behaviour and Society
– Writing: Style and Method.

* Students in the honours program enrol in three specific honours units (Honours A: Research Design, Honours B: Applied Research Skills and Honours C: Research Project) in years 3 and 4, in lieu of these units. Note: some of the core unit requirements for honours are different.

Course details

2019 Domestic ATAR/IB: 93/35 (indicative)**

UAC code: 512610

Duration: 4 years (full time)

Recommended studies:

English (Advanced)

Other information: A bridging course in grammatical analysis is recommended for all students.

E12 entry scheme: available

** Find out more about guaranteed and indicative scores on page 38.

– sydney.edu.au/courses/bachelor-of-applied-science-speech-pathology

BACHELOR OF NURSING (ADVANCED STUDIES)

Combining practical learning with extensive clinical placements, this degree will enable you to apply for registration with the Nursing and Midwifery Board of Australia and launch your career in healthcare.

Nursing students at the University of Sydney learn from Australia's leading experts in nursing.

Delivered through lectures, tutorials, simulation clinics and clinical placements, this course will give you a wide range of theoretical knowledge, including human biology, physiology, pharmacology, psychology and sociology. You will also develop practical skills that will enable you to deliver nursing care in complex clinical scenarios.

During this three-year degree, units are structured into four broad areas that are interwoven into your learning experiences throughout the course: underpinnings of nursing practice; health, development and assessment; contexts of practice; and nursing and practice.

The advanced element of the course supports all of these areas of study and focuses on cultivating leadership, using research to make evidence-based decisions, and enhancing your understanding of the international health landscape.

Alongside your classroom studies you will gain invaluable practical experience through 880 hours of clinical placements across a wide variety of healthcare settings including emergency departments, intensive care units, paediatric units, mental health facilities and community health centres.

A highlight for final-year students is the Mass Casualty Simulation Day in which nursing students join students from Sydney Medical School as first responders in a mock disaster. This simulation uses real-life scenarios to prepare students to manage emergencies.

Graduate opportunities

A career in nursing offers you the opportunity to provide high-quality care and change lives.

Graduates of this course are eligible to apply for registration with the Nursing and Midwifery Board of Australia and work as a registered nurse in Australia.

With a wide and growing field of practice across the public and private healthcare systems, this degree will prepare you to thrive in both local and global health environments as you work with other health professionals to provide high-quality, patient-centred care.

Year 1

Acute Care Nursing Practice

Health and Human Biology

Health Assessment

Health Research

Interruptions to Normal Physiology

Nursing Knowledge, Practice and Policy

Population Health to Personal Healthcare

Understanding Experiences of Illness

Year 2

Ageing Health and Care

Clinical Practice in Mental Health

Contexts of Health and Disease

Indigenous People Health and Care

Introduction to Pharmacology

Managing Chronic Conditions

Pharmacology, People and Practice

Understanding Mental Health and Illness

Year 3

Australian Healthcare System

Child and Adolescent Health and Care

Community Health Nursing

First Line Intervention

Frameworks for Nursing Practice

Life-limiting Conditions and Palliation

Nursing the Critically Ill Person

Professional Practice

Course details

2019 Domestic ATAR/IB:
84/30 (*guaranteed*)*

UAC code: 511925

Duration: 3 years (full time)

E12 entry scheme: available

* Find out more about guaranteed and indicative scores on page 38.

– sydney.edu.au/courses/bachelor-of-nursing-advanced-studies

COMBINED NURSING DEGREES

Study one of three undergraduate degrees in combination with a Master of Nursing to become eligible to apply for registration as a nurse.

At the University of Sydney, you can choose to combine a Master of Nursing with:

- Bachelor of Arts, offering the opportunity to study subjects such as languages, economics, performance studies, social policy, government and international relations, Indigenous Australian studies and film studies.
- Bachelor of Science, offering the opportunity to study subjects such as science, biology, chemistry, neuroscience, pharmacology, and psychology.
- Bachelor of Science (Health), offering the opportunity to extend your knowledge of health and related topics by studying subjects such as anatomy and histology, health ethics and law, and rural health.

The Master of Nursing combines hands-on learning with more than 800 hours of clinical placements to develop leadership skills and a rich understanding of professional nursing practice. You will learn about the impact of nursing practice within local and global health contexts and across changing healthcare systems.

At Sydney Nursing School, we are committed to developing research and using it as a basis for clinical decision making, in turn improving patient experience and outcomes.

Joining students from varied undergraduate degrees, you will engage in debate in our vibrant learning environment.

Study over four years full time, or eight years part time, after which you will graduate with two qualifications. Teaching takes place in lectures, tutorials and simulation clinics and in clinical placements across Sydney, New South Wales or further afield.

Graduate opportunities

Upon graduation, you will be eligible to apply for registration as a nurse with the Nursing and Midwifery Board of Australia and have a wide range of career choices in clinical and non-clinical settings.

Course details

2019 ATAR/IB: 80/28 (guaranteed)*

UAC codes:

- Bachelor of Arts/Master of Nursing: 511913
- Bachelor of Science/Master of Nursing: 511914
- Bachelor of Science (Health)/Master of Nursing: 513750

Duration: 4 years (full time)

E12 entry scheme: available

* Find out more about guaranteed and indicative scores on page 38.

The Dalyell Scholars program is also available for these courses – see page 40 for details.

- sydney.edu.au/nursing/study/combined



MEET OUR STUDENTS

Gregory Leong
Bachelor of Nursing (Advanced Studies)

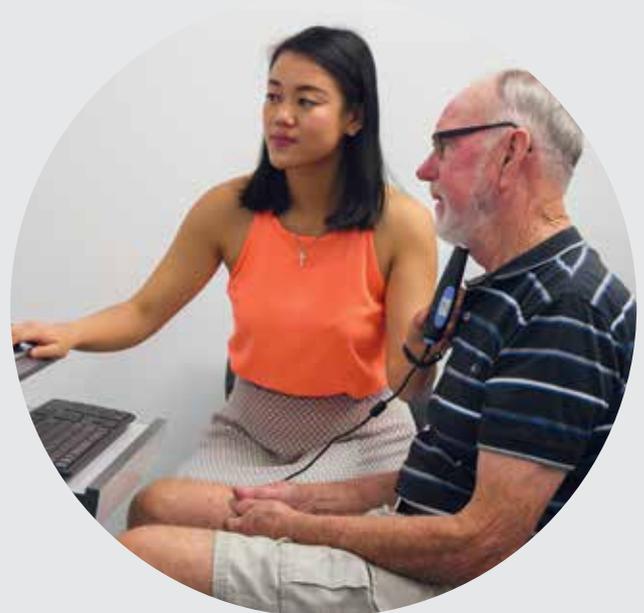


“Sydney Nursing School offers a fantastic variety of clinical placement opportunities ranging from aged care to paediatrics, mental health and critical care. This helps us become well-rounded practitioners.

“I had the opportunity to work with the NSW Air Ambulance Service as one of my clinical placements. I was able to refine my clinical skills to help deliver efficient and effective critical care.

“The opportunities I gained from learning at the University of Sydney have helped me to make positive decisions regarding the direction of my career.”

Olivia Vun
Bachelor of Applied Science (Speech Pathology)



“I have always wanted to be in a profession that allowed me to work directly with people in the community.

“Language and communication have always intrigued me. Speech pathology was the perfect fit as I get to explore the intricacies of language and at the same time help those who need assistance and support with their communication.

“I have enjoyed the learning experience at the Faculty of Health Sciences, especially the amicable relationship between the students and academic staff. The academic staff are research leaders in their respective fields and I wanted to learn from the best.”

Matthew Craig

Bachelor of Applied Science (Exercise Physiology)



“I have a love of sport and exercise as well as a desire to help people, so exercise physiology seemed like the best course for me.

“The wide range of subjects and clinical placements that I have undertaken have given me a better idea of the areas in which I may be interested in working after graduation.

“I am really enjoying the relaxed, friendly nature of the faculty, and the reputation and experience of the staff.”

Malake Kebbe

Bachelor of Oral Health



“Clinical exposure and the encouragement to make my own clinical decisions prepared me to tackle challenges in the workplace.

“Once you get to the last year, you have much more freedom to work independently. Through the many different hospitals and organisations we attended and volunteered at, I was exposed to a wide variety of patients and environments.

“The Bachelor of Oral Health provides the opportunity to travel to rural, regional and overseas communities for clinical practice and oral health promotion, where you get to work alongside allied health professionals. The intensity and hands-on navigation of the course helped me develop my clinical skills.”

INSIDE VIEW

Anne Nguyen
Bachelor of Pharmacy
Project Leader, Boston Consulting Group



Anne Nguyen graduated with a Bachelor of Pharmacy from the University of Sydney in 2008. Since then her career in pharmacy has led to various roles and locations – from a hospital pharmacy in Sydney to international management roles in the pharmaceutical industry.

Today, Anne is a Project Leader for Boston Consulting Group, a global management–consulting firm, based in the company’s flagship office in New York.

We chatted with Anne to find out about her career highlights so far and how she found studying pharmacy at the University of Sydney.

What do you love most about working in pharmacy and healthcare?

A career in pharmacy allows me to work with great people and solve interesting problems across a wide variety of industries. I have had the privilege of working with many healthcare clients, retailers, a media company and even an art school.

Being a project leader in pharmacy is a diverse role and no two days are the same, which keeps things interesting and exciting.

What have been your career highlights since graduating?

One of the many great aspects of studying a Bachelor of Pharmacy is the wide variety of career opportunities in healthcare available to you after graduation.

I started out my career as an intern at the Children’s Hospital at Westmead Pharmacy. Managing the cardiology ward was one of my great career highlights and where I learnt a lot about what makes a good team and customer service.

As an associate at Boston Consulting Group, I worked on a strategy project with a leading pharmacy to drive significant growth. But even more so, I helped to design and test the solution in 85 stores before it was rolled out to the rest of their stores.

As a consultant, I worked with the global heads of manufacturing and quality at a large biopharma company to improve their organisational structure.

Why did you decide to study pharmacy?

A love of science and a passion to help people were two of the main things that guided me to undertake a career in pharmacy. The Bachelor of Pharmacy degree allowed me to combine and explore both.

What did you enjoy most about the Faculty of Pharmacy?

The people. I learned so much from my peers, the faculty staff and academics. Studying at the University of Sydney allowed me to learn from leaders in the pharmacy industry who were always willing to pass on their knowledge.

BACHELOR OF ORAL HEALTH

Study our Bachelor of Oral Health and graduate to become an oral health therapist registered with the Dental Board of Australia.



Course details

2019 Domestic ATAR/IB: A+C 83/30 (*indicative score**; admission also based on multiple mini interviews)
UAC code: 511401
Duration: 3 years (full time)
Recommended studies: Biology and/or Chemistry

** Find out more about guaranteed and indicative scores on page 38.*

– sydney.edu.au/courses/bachelor-of-oral-health

Oral health therapists are at the forefront of dental disease prevention and the promotion of oral health. As an integral part of the dental team, they provide preventive dental services, examine and diagnose dental decay and periodontal disease, collaborate with dentists and specialists on more complex problems and work with community partners to educate and promote oral health.

The Bachelor of Oral Health is a full-time course taught over three years. You will gain the required knowledge, clinical skills and experience to deliver dental hygiene and therapeutic treatment services, and oral health education and promotion, to patients and communities throughout Australia and New Zealand.

Graduate opportunities

The Bachelor of Oral Health is fully accredited by the Australian Dental Council. Our graduates are eligible for registration with the Dental Board of Australia and are licensed with the Environmental Protection Authority to use diagnostic radiation.

Upon registration, you will be able to practise as a dental therapist, dental hygienist or oral health

educator across the public and private sectors throughout Australia and New Zealand.

You will be highly sought after, especially by public sector service providers and dentists in private practice, who are increasingly looking for practitioners with dual qualifications in dental hygiene and dental therapy.

Year 1
Foundations of Oral Health 1
Foundations of Oral Health 2
Life Sciences 1
Life Sciences 2
Oral Health Clinical Practice 1
Oral Health Clinical Practice 2
Year 2
Foundations of Oral Health 3
Foundations of Oral Health 4
Life Sciences 3
Oral Health Clinical Practice 3
Oral Health Clinical Practice 4
Life Sciences 4
Year 3
Comprehensive Oral Health Management 1
Comprehensive Oral Health Management 2
Foundations of Oral Health 5
Foundations of Oral Health 6
Integrated Oral Health Clinical Practice 1
Integrated Oral Health Clinical Practice 2

BACHELOR OF PHARMACY

Transform and enrich lives with our Bachelor of Pharmacy. You will gain a comprehensive understanding of how drugs are developed and how medications affect the human body. Combining hands-on learning with clinical experience, this program is your first step in becoming a registered pharmacist and playing a vital and rewarding role in healthcare provision.

As a pharmacy student, you will learn from internationally renowned academics about the chemical, physical, pharmaceutical and pharmacological properties of medicines, and the application of these in the practice of pharmacy.

You will have access to the latest technology, facilities and teaching laboratories, and gain extensive clinical experience.

In the first year of this four-year degree, you will study biology and chemistry and be introduced to pharmacy through foundation and social pharmacy studies.

The remaining three years are devoted to studying higher levels of biomedical and pharmaceutical sciences, together with specialised clinical pharmacy studies. In senior years you will spend considerable time in clinical placements in community and hospital pharmacies, where you will gain invaluable practical experience.

You will also have the opportunity to develop specialist knowledge in fourth year through an optional pharmacy major or, for meritorious students, choose to take an honours research project to graduate with honours.

Graduate opportunities

To become a registered pharmacist, you will need to complete 1824 hours (one working year) of supervised practical training and the Intern Training Program to register with the Pharmacy Board of Australia. International students also need to demonstrate an IELTS score of 7.5 or equivalent.

As an integral member of the healthcare system, you will be able to pursue an exciting and diverse range of career options spanning retail pharmacy, hospital pharmacy, research positions within universities and research institutes, and positions in the pharmaceutical industry in drug production and development.



Year 1
Basic Pharmaceutical Sciences
Chemistry A (Pharmacy)
Chemistry B (Pharmacy)
From Molecules to Ecosystems
Foundations of Pharmacy
Human Biology
Physical Pharmaceutics and Formulation A
Social Pharmacy
Year 2
Drug Discovery and Design A
Drug Discovery and Design B
Microbiology and Infection
Pharmacology for Pharmacy
Pharmacy Practice
Physical Pharmaceutics and Formulation B
Physiology for Pharmacy
Therapeutic Principles
Year 3
Cardiovascular and Renal
Endocrine, Diabetes and Reproductive
Gastrointestinal
Musculoskeletal, Dermatological and Senses
Neurology and Mental Health
Oncology and Immunology
Pharmaceutical Skills and Dispensing A
Pharmaceutical Skills and Dispensing B
Respiratory
Clinical Placement A
Clinical Placement B
Year 4
Clinical Placement*
Integrated Dispensing Practice
Novel Therapeutics*
Pharmacotherapeutics
Pharmacy Management I
Pharmacy Services and Public Health
Professional Practice*
Fourth year honours**
Research Methods replaces Pharmacy Management I in Semester 1 and Honours replaces Novel Therapeutics, Professional Practice and Clinical Placements in Semester 2.

* The fourth-year International major has a 24 credit point international exchange component and a 24 credit point industrial placement, which replace Novel Therapeutics, Professional Practice and Clinical Placement units.

** Honours is competitive and by selection only and is available in the fourth year of the program for high-achieving students.

Course details

2019 Domestic ATAR/IB:

90/33 (guaranteed)#

UAC code: 512400

Duration: 4 years (full time)

Prerequisite: Mathematics (Band 4)

or Mathematics Extension 1 or 2

(Band E3) or equivalent^

Assumed knowledge: Mathematics and Chemistry

Recommended studies: Biology or Physics

E12 entry scheme: available

Find out more about guaranteed and indicative scores on page 38.

^ This prerequisite applies if you are completing a senior secondary (or year 12) qualification in Australia.

sydney.edu.au/courses/bachelor-of-pharmacy



BACHELOR OF PHARMACY AND MANAGEMENT

The Bachelor of Pharmacy and Management is an innovative, five-year degree that teaches you a unique combination of pharmacy skills and business acumen. You will develop the commercial, clinical and communication skills necessary to thrive in a changing and competitive healthcare landscape.

Graduate opportunities

To become a registered pharmacist, graduates of this course need to complete 1824 hours (one working year) of supervised practical training and the Intern Training Program, in order to register with the Pharmacy Board of Australia.

International students also need to demonstrate an IELTS score of 7.5 or equivalent.

Whether you decide to register as a pharmacist, run your own business, enter the pharmaceutical industry, work for government agencies, or contribute to research and academia, you will be in demand and have the opportunity to improve people's lives directly.



sydney.edu.au

As a pharmacy and management student, you will develop an understanding of sound business practices integrated with sustainable healthcare models. Through practical learning and extensive clinical placements, you will learn how drugs are developed and how medications affect the human body.

You will also understand how to apply key business knowledge to your pharmacy practice, no matter which professional pharmacy avenue you choose.

Throughout this five-year degree, you will cover topics including chemical, physical, pharmaceutical

and pharmacological properties of medicines, and the application of these in practice. We offer a mix of lectures, tutorials, labs, small-group work and problem-based learning so you can develop valuable practical skills and knowledge.

In senior years, you will spend considerable time in clinical placements in community and hospital pharmacies gaining vital practical experience.

Your studies will include biology, chemistry, medicinal chemistry, pharmaceutical sciences, pharmaceuticals, pharmacology, pharmacy and pharmacy practice as well as business.

Year 1
Accounting, Business and Society*
Chemistry A (Pharmacy)
Chemistry B (Pharmacy)
Foundations of Pharmacy
Human Biology
Economics for Business Decision Making*
From Molecules to Ecosystems
Social Pharmacy
Year 2
Basic Pharmaceutical Sciences
Foundations of Business Law*
Foundations of Work Employment*
Microbiology and Infection
Pharmacology for Pharmacy
Pharmacy Practice
Physical Pharmaceutics and Formulation A
Physiology for Pharmacy
Year 3
Digital Business Innovation*
Drug Discovery and Design A
Drug Discovery and Design B
Foundations of Management*
HR Processes and Strategies*
Marketing Principles*
Physical Pharmaceutics and Formulation B
Therapeutic Principles
Year 4
Cardiovascular and Renal
Endocrine, Diabetes and Reproductive
Gastrointestinal
Neurology and Mental Health
Musculoskeletal, Dermatological and Senses
Oncology and Immunology
Pharmaceutical Skills and Dispensing A
Pharmaceutical Skills and Dispensing B
Respiratory
Clinical Placement A
Clinical Placement B

Year 5
Integrated Dispensing Practice
Leadership in Organisations*
Novel Therapeutics
Pharmacotherapeutics
Professional Practice
Pharmacy Services and Public Health
Clinical Placement C
Clinical Placement D
Fifth year honours**
Research Methods replaces Leadership in Organisations in Semester 1 and Honours replaces Novel Therapeutics, and Professional Practice in Semester 2

* Business and management units are offered by the University of Sydney Business School.

** Honours is competitive and by selection only and is available in the fifth year of the program for high-achieving students.

Course details

2019 Domestic ATAR/IB:

90/33 (guaranteed)#

UAC code: 512402

Duration: 5 years (full time)

Prerequisite: Mathematics (Band 4)

or Mathematics Extension 1 or 2

(Band E3) or equivalent^

Assumed knowledge:

Mathematics and Chemistry

Recommended studies:

Biology or Physics

Find out more about guaranteed and indicative scores on page 38.

^ This prerequisite applies if you are completing a senior secondary (or year 12) qualification in Australia.

sydney.edu.au/courses/bachelor-of-pharmacy-and-management



BACHELOR OF SCIENCE (HEALTH)

Study our Bachelor of Science (Health) to understand the nature of the health problems global communities face and how to design effective healthcare approaches that serve our diverse, technology-enabled and ageing population.

This degree provides a thorough understanding of health and health systems at the local, national and global levels. You will graduate with the ability to navigate the complexity of health in different sociocultural, political and economic contexts. You will develop core skills in critical thinking, complex problem solving, communication and empathy.

Majors

In the Bachelor of Science (Health) your first major will be Health, as described below. You can also choose either a second major or a minor. Second majors from the Faculty of Health Sciences include Human Movement and Hearing and Speech. You may also choose a second major or minor from the shared pool from a range of undergraduate courses across the University.

– sydney.edu.au/undergraduate

Health

In this major, you will develop and apply your knowledge of health issues, systems and roles to design equitable and effective approaches to health promotion for different communities, locally and globally.

Through innovative educational practices, you will experience various aspects of health. Once

you have identified your particular interest, you can explore these areas in greater depth. Some topics include: eHealth, health ethics and the law, the social determinants of health, health policy, health promotion, and health research.

You will develop critical thinking, problem solving, communication, and research skills through interactive classes and real-world assessments. This will support you in developing skills applicable to a broad range of health roles and industries.

Two second majors are offered within the health disciplines: Hearing and Speech, and Human Movement. Health and Hearing and Speech are also available as a second major or minor in the Bachelor of Arts, Bachelor of Commerce and Bachelor of Science.

Hearing and Speech

This major prepares you for postgraduate study in speech pathology or audiology or work in the disability sector, medical/technical writing, or in special education support.

You will acquire an integrated understanding of the linguistic, psychological, acoustic, neuroscience and anatomical

bases of human communication and technical skills in speech and language analysis and hearing assessment.

Human Movement

The Human Movement major is an integration of anatomical, physiological and biomechanical principles related to human movement. You will acquire in-depth knowledge of how the human body moves, and skills in measuring and analysing human movement.

Graduates will be equipped to assist in health service roles and the conduct of research and analysis of data relevant to the study of human movement.

The Human Movement major provides a strong foundation for further graduate study in fields such as physiotherapy, exercise physiology, diagnostic radiography, and medicine (subject to meeting eligibility criteria).

Graduate opportunities

Upon graduating, you can move into a range of positions in a variety of health industries including corporate health, government and policy, and not-for-profit organisations.

Career options include health promotion, policy making, project and case management, consultant, logistics and procurement, insurance, business development, marketing and public relations.

Advanced Studies

The new Bachelor of Advanced Studies is available to Bachelor of Science (Health) students. It supercharges your undergraduate experience at Sydney.

You will have the opportunity to:

- design your own degree by combining studies from a range of disciplines
- build on your expertise with advanced coursework and project work
- complete a second major
- complete an honours year.

The Bachelor of Science/ Bachelor of Advanced Studies (Health) requires four years of full-time study.

For more details, visit

- sydney.edu.au/bachelor-advanced-studies

Sample course structure: Bachelor of Science (Health) with majors in Health and Human Movement

Year 1
Health Stream: Introduction to Health and Health Care
Health Stream: Society and Health
Health Stream: Human Biology
Health Stream: Psychology
Human Movement Major: Functional Musculoskeletal Anatomy A and B
Degree Core: Introduction to Calculus
Degree Core: Foundations of Data Science
Degree Core: Introduction to Linear Algebra
Year 2
Health Stream: Research Methods in Health
Health Stream: Innovations in eHealth
Human Movement Major: Body Systems
Human Movement Major: Neuroscience
Human Movement Major: Fundamentals of Movement Science
Elective: Human Development
Open Learning Environment: Radiological Anatomy and Pathology of the Chest*
Open Learning Environment: Global Health Challenges – Diabetes,* Global Health Challenges – Cardiovascular Disease,* Working with, rather than on, communities*
Year 3
Health Stream: Health Promotion: Principles and Practice**
Health Stream: Evidence Based Health Care**
Health Stream: Health in Indigenous Populations**
Health Stream: Health, Ethics and the Law**
Human Movement Major: Exercise Physiology
Human Movement Major: Motor Control and Learning
Human Movement Major: Biomechanics or Anatomical Analysis of Exercise**
Elective: Disability, Sport and Social Inclusion

* Units are indicative only.

** Additional Health Stream units are also available in Year 3.

Course details

2019 ATAR/IB: 80/28 (guaranteed)[#]

UAC code: 513915

Duration: 3 years (full time)

Prerequisite: Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3) or equivalent[^]

Assumed knowledge: Mathematics or Mathematics Extension 1. All students undertake some study in mathematics. For the Human Movement major: Chemistry.

E12 entry scheme: available

[#] Find out more about guaranteed and indicative scores on page 38.

[^] This prerequisite applies if you are completing a senior secondary (or year 12) qualification in Australia.

The Dalyell Scholars program is also available for this course – see page 40 for details.

- sydney.edu.au/courses/bachelor-of-science-health



BACHELOR OF SCIENCE/MASTER OF NUTRITION AND DIETETICS

This course gives you the training to launch straight into a career in nutrition and dietetics. It provides a solid foundation in science plus a two-year master's degree with full accreditation from the Dietitians Association of Australia.

Learn from eminent dietitians and scientists at the forefront of dietetic, nutrition and medical research and practice. Our research-driven teaching ensures you're exposed to the latest advances in evidence-based dietetics, nutrition science, and community and public health nutrition.

In the Bachelor of Science, you will study biochemistry, molecular biology and human physiology, which are necessary prerequisites for accreditation by the Dietitians Association of Australia.

In the Master of Nutrition and Dietetics, your first year will comprise lectures, tutorials and practical classes in nutritional science, clinical nutrition and dietetics, public health nutrition and more. In second year, you will complete hands-on clinical training, and a nutrition research project.

Major studies

Nutrition and Dietetics program (Nutrition Science major). A minor or second major can also be taken from those available in the Bachelor of Science or from a shared pool in areas across the University.

Graduate opportunities

The Master of Nutrition and Dietetics is currently accredited by the Dietitians Association of

Australia. A graduate of this program is eligible to become a full member of the Dietitians Association of Australia and to join the Accredited Practising Dietitian Program.

You will graduate with sound knowledge of nutritional science and the expertise to pursue a career as an accredited dietitian in nutrition, nutritional research and other health-related disciplines.

Sample course structure: Bachelor of Science/Master of Nutrition and Dietetics

Year 1
Chemistry
Chemistry
Biology
Human Biology
Mathematics
Mathematics
Minor/Major 2
Minor/Major 2
Year 2
Biochemistry and Molecular Biology
Physiology
Physiology
Proteins in Cells
Open Learning Environment
Open Learning Environment
Minor/Major 2
Minor/Major 2
Year 3
Food Science
Metabolic Cybernetics
Nutrition and Metabolism
Minor/Major 2
Minor/Major 2

Elective/Major 2
Elective/Major 2
Year 4: Master of Nutrition and Dietetics
Community and Public Health Nutrition
Dietary Intake and Nutrition Assessment
Dietetics Professional Studies
Food and Nutritional Science
Food Service Management
Methods in Nutrition Research
Medical Nutrition (12 credit points)
Year 5
Dietetics Training Placement
Nutrition Research Project

Course details

2019 Domestic ATAR/IB: 97/39 (indicative)*

UAC code: 513965

Duration: 5 years (full time)

Prerequisite: Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3) or equivalent**

Assumed knowledge: Mathematics, Chemistry, Biology

* Find out more about guaranteed and indicative scores on page 38.

** This prerequisite applies if you are completing a senior secondary (or year 12) qualification in Australia.

The Dalyell Scholars program is available for this course. See page 40 for details.

sydney.edu.au/courses/bachelor-of-science-and-master-of-nutrition-and-dietetics

Note, this course is offered by the Faculty of Science.



HOW TO BECOME A DOCTOR

At the University of Sydney, there are two pathways to becoming a doctor:

- by undertaking a bachelor's degree then the Doctor of Medicine (MD)
- by entering the Double Degree Medicine program (DDMP)

Doctor of Medicine

Designed for students who already have a bachelor's degree, our Doctor of Medicine (MD) is an excellent platform on which to build a career in medicine.

The intake is usually about 300 students each year. About 75 percent are in Commonwealth supported places (for domestic students only), including Bonded Medical Places, which have specific conditions.

- sydney.edu.au/medicine/fees-living-costs

Admission criteria

Domestic and international applicants need to have a bachelor's degree with a minimum credit average. Detailed requirements are in the Admissions Guide.

- sydney.edu.au/medicine/md

Domestic applicants need to have achieved a competitive score in the Graduate Australian Medical School Admissions Test (GAMSAT*), including a minimum score of 50 in each section.

The GAMSAT is held twice each year, in March and September, in various cities. Applicants taking the September GAMSAT may commence the MD program in the subsequent year or the year after. For example, if you take the GAMSAT in September 2019, you may be able to apply in 2020 for 2021 admission, or apply in 2021 for 2022 admission.

International students can submit GAMSAT or Medical College Admission Test (MCAT**) results. Please note: there are special requirements for US citizens.

Eligible applicants also need to undertake, and be scored in, an interview. To determine rankings for admission, we combine your interview score with GAMSAT score (or converted MCAT score).

Double Degree Medicine program

If you are finishing high school in 2018 and achieve outstanding results, you may be able to enter the MD through our Double Degree Medicine pathway. Each year, we offer up to 30 domestic and 10 international places for Double Degree Medicine.

In this program, you will first complete a Bachelor of Arts or a Bachelor of Science before proceeding into the Doctor of Medicine program in your fourth or fifth year of study.

There are other admission pathways into the DDMP for Aboriginal and Torres Strait Islander applicants, and (pending approval) applicants who meet the criteria for our Early Offer Year 12 (E12) scheme.

- sydney.edu.au/e12

Admission criteria

- very high ATAR (expected to be 99.95 or equivalent)
- satisfactory performance in an assessment process comprising a written assessment and a panel discussion.
- you also need to achieve Band 4 in the NSW Higher School Certificate (HSC) Mathematics (not General Mathematics) or equivalent, if you are completing a year 12 qualification in Australia.

To progress into the MD, you need to complete your initial bachelor's degree within three years (or four years with honours or a combined Bachelor of Advanced Studies), excluding any authorised periods of suspension, while maintaining an annual average mark of at least 65 during your bachelor's degree.

- sydney.edu.au/medicine/ddmp

The Dalyell Scholars program is available for the combined Bachelor of Science/Doctor of Medicine program. See page 40 for details.

* For the purpose of admission to the MD, the average GAMSAT score has replaced the overall GAMSAT score. For the new GAMSAT calculation formula, please refer to our Admissions Guide at sydney.edu.au/medicine/md. For general information about GAMSAT, visit the Australian Council for Educational Research (ACER) website at www.gamsat.acer.edu.au

** For general information about MCAT, please see: www.aamc.org/students/applying/mcat

HOW TO BECOME A DENTIST

At the University of Sydney, there are two pathways to becoming a dentist:

- by undertaking a bachelor's degree then undertaking the Doctor of Dental Medicine
- by entering the Double Degree Dentistry pathway (Bachelor of Science/Doctor of Dental Medicine).

Interested applicants need to start the application process at least 12 months in advance.

Doctor of Dental Medicine

Suitable for students who already have a bachelor's degree, the four-year Doctor of Dental Medicine (DMD) program offers you the opportunity to develop skills through practice-based learning and will expose you to new dental technologies and research.

The DMD will educate you to draw on evidence to treat patients effectively and respond to the changing oral health needs of the community. You will graduate with the skills and confidence to join clinical practice and take up leadership roles in the profession. You will also be well prepared to conduct further research. The DMD will equip you to:

- understand how to make treatment decisions that are most appropriate for patients as individuals
- gain confidence in treating patients through simulation and practice-based experience
- develop leadership skills to enable contribution to the dental community
- crystallise professional values and ethics, social conscience and cultural awareness
- make informed decisions by critiquing research and evidence.

Admission criteria

- a bachelor's degree with a credit average or higher
- satisfactory performance in a medical admissions test (GAMSAT only for domestic applicants; GAMSAT, MCAT, CDAT, DAT for international applicants)
- satisfactory completion of the prerequisite unit of study: Human Biology
- satisfactory performance in an interview.

Double Degree Dentistry program

Designed for high-school leavers who have achieved outstanding results, our Double Degree Dentistry program gives you the opportunity to study science before undertaking dentistry.

You will begin by studying a three-year undergraduate science degree, followed by the four-year Doctor of Dental Medicine. This double degree is delivered by the faculties of Science and Dentistry.

Equipped with a deep understanding of the scientific fundamentals that underpin dentistry, you will be ideally prepared for any career path you choose.

Admission criteria

- very high ATAR (expected to be a minimum of 99.5 or equivalent)
- satisfactory performance in an assessment process comprising a written assessment and a panel discussion.
- you also need to achieve Band 4 in the NSW Higher School Certificate (HSC) Mathematics (not General Mathematics) or equivalent, if you are completing a year 12 qualification in Australia.

You will need to apply for the double degree dentistry course at the first opportunity after graduating from high school, regardless of when your results are available.

Domestic students need to apply through the Universities Admissions Centre (UAC). If you are an international applicant, please visit our website for details about how to apply.

- sydney.edu.au/dentistry/dddp

The Dalyell Scholars program is available for the combined Bachelor of Science/Doctor of Dental Medicine program. See page 40 for details.

HOW TO APPLY DOMESTIC STUDENTS

Step 1: choose your course

Step 2: check admission criteria

Step 3: explore admission pathways

Step 4: submit your application through the Universities Admissions Centre (UAC).

Check admission criteria

For most courses, admission is based on your ATAR (Australian Tertiary Admission Rank) or equivalent.

– sydney.edu.au/study/admission-criteria

Some courses have specific prerequisites and assumed knowledge. For some courses, such as medicine or oral health, admission may also be based on additional criteria.

– sydney.edu.au/courses

Indicative and guaranteed scores

Where the ATAR/IB is listed as *indicative*, this is a guide only and a higher score may be needed for admission to these courses. A score listed as *guaranteed* will not change throughout the 2019 admission period and is the lowest score you need to receive an offer of a place in your chosen course in 2019, provided other admission criteria are also met.

– sydney.edu.au/sydney-atar

Assumed knowledge

This may be specified for a course or unit of study. It means we expect you to have a certain level of knowledge in areas such as mathematics, physics, biology and chemistry. If you have not studied these subjects in high school, we recommend you undertake appropriate bridging studies before you

commence your course. The University offers some bridging courses to help you get up to speed.

– sydney.edu.au/ug-bridging

Mathematics prerequisite

From 2019, if you are completing a Year 12 qualification in Australia, mathematics is a prerequisite for some courses, visit:

– sydney.edu.au/study/maths

English language requirements

Proof of proficiency in English can also apply, depending on your educational background and country of origin.

– sydney.edu.au/study/english-reqs

Explore admission pathways

At the University of Sydney, we offer a number of admission pathways for domestic undergraduate applicants who wish to have additional factors taken into account alongside their academic results.

You may be eligible to apply for more than one admission pathway, whether you're currently in Year 12 or finished high school a while ago.

– sydney.edu.au/study/admission-pathways

Submit your application

As a domestic student, you need to submit your application online through the Universities Admissions Centre website:

– www.uac.edu.au

Visit us on Open Day

A great way to get a feel for the campus is to visit us on Open Day. Explore the campus, enjoy the atmosphere, and learn more about our courses and facilities by attending mini lectures, activities and tours.

– sydney.edu.au/open-day

HOW TO APPLY INTERNATIONAL STUDENTS

- Step 1: choose your course
- Step 2: check admission criteria
- Step 3: submit your application online with the relevant documents.

Check admission criteria

We accept a range of Australian and overseas senior secondary (high school) qualifications and successful tertiary studies for admission into our undergraduate courses. You need to meet course-specific academic requirements to secure admission.

– sydney.edu.au/ug-entry

Learn about indicative and guaranteed ATARs (and equivalent scores) to guarantee admission to many of our courses (see page 38, opposite). For a full list of accepted secondary qualifications, visit:

– sydney.edu.au/study/secondary-qualifications

If your qualification isn't recognised, you can complete a university preparation course through the University of Sydney Foundation Program.

– sydney.edu.au/study/foundation

Assumed knowledge

Some courses have specific prerequisites and assumed knowledge. For some courses, such as medicine or oral health, admission may also be based on additional criteria. For details, see the course in this guide or visit:

– sydney.edu.au/courses

Mathematics prerequisite

Please see page 38, opposite.

English language requirements

Depending on your educational background and country of origin, you may need to demonstrate that your English language skills meet the minimum level required for your chosen course. For details see:

– sydney.edu.au/study/english-reqs

Submit your application

Most international students apply direct to the University of Sydney.

– sydney.edu.au/study/how-to-apply

If you are an international student undertaking an Australian Year 12 qualification in or outside Australia, or the International Baccalaureate Diploma in Australia, you can apply online through the Universities Admissions Centre International website:

– www.uac.edu.au/international

If you need assistance with your application, you can also apply through a University approved agent (representative). For details visit

– sydney.edu.au/study/overseas-agents

The courses listed in this guide are CRICOS-registered and available for full time study on-shore in Australia on a student visa.

Application deadlines

These vary by course. Check the specific closing date for your course at:

– sydney.edu.au/courses

We strongly encourage international applicants to apply as early as possible to allow time for visa and travel arrangements. Separate scholarship deadlines may apply.

DALYELL SCHOLARS PROGRAM

For high-achieving students with an ATAR (or equivalent) of 98+, the Dalyell Scholars program offers access to a range of enrichment opportunities that will challenge you alongside your most promising and talented peers.

As a Dalyell Scholar, you can draw on the University's rich interdisciplinary depth and breadth on offer, cultivating the leadership and professional expertise to become part of our global network of leaders.

Named after Elsie Jean Dalyell OBE, a distinguished medical graduate of the University, Dalyell Scholars will have the opportunity to collaborate and network with like-minded world influencers.

In addition to completing distinctive Dalyell units of study, you will have access to opportunities such as:

- enriched learning options, such as early access to advanced units of study
- specialised Language (Arts) and Mathematical Sciences (Science) programs (optional)
- tailored mentoring and professional skills development to enhance your study and career opportunities
- international experiences to develop your global perspective, including a \$2000 global mobility scholarship.

To study as a Dalyell Scholar, admission is by UAC preference or invitation.

The Dalyell Scholars program is available in the following degrees:

- Bachelor of Arts/Doctor of Medicine
- Bachelor of Arts/Master of Nursing
- Bachelor of Science/Doctor of Dental Medicine
- Bachelor of Science/Doctor of Medicine
- Bachelor of Science/Master of Nursing
- Bachelor of Science (Health)
- Bachelor of Science (Health)/Master of Nursing
- Bachelor of Science/Master of Nutrition and Dietetics.

For a full list of Dalyell Scholars courses, visit:

- sydney.edu.au/dalyell-scholars



Who was Elsie Jean Dalyell?

A highly distinguished University of Sydney medical graduate, Elsie Dalyell OBE (1881-1948) was the first full-time female academic in our Faculty of Medicine. After travelling to London on a University scholarship and serving in the First World War, she conducted pioneering work with a medical team in Vienna, Austria, into childhood diseases. Her academic excellence and commitment to creating her own path are hallmarks of our Dalyell Scholars program.

Image: Elsie Jean Dalyell. Courtesy of State Records NSW: New South Wales Medical Board; NRS 9873, Photographs of doctors, 1888-1927. [Digital ID 9873_a025_a025000062] Elsie Jean Dalyell, no date

Open Day

Join us on Saturday
25 August 2018 and
immerse yourself in
campus life for a day.

sydney.edu.au/open-day



Any questions?

sydney.edu.au/ask

1800 SYD UNI (1800 793 864)

 Facebook ([/sydneyuni](https://www.facebook.com/sydneyuni))

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 Instagram ([@sydney_uni](https://www.instagram.com/sydney_uni))

 Snapchat ([@sydney_uni](https://www.snapchat.com/add/sydney_uni))