Your future in health

2017 edition
Forest Stewardship Council (FSC®) is a globally recognised certification overseeing all fibre sourcing standards. This provides guarantees for the controlled supply of wood that is sustainably managed, economically viable, and socially responsible.
Health at the University of Sydney

A career in health gives you the opportunity to improve the health and wellbeing of individuals, families and communities every day.

Since 1856, the University of Sydney has been producing world leaders in health, health education and research. We offer the largest range of health courses of any university in Australia.

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.

Health is one of the fastest-growing sectors in Australia and around the world, with a broad range of flexible and dynamic career options. Your capacity to have a positive impact on people’s health is only limited by your aspirations. Whatever career path you choose, one thing is for sure: you will be in demand.

- The health sector is expected to grow by 16.4 percent in the five years to November 2020.¹
- The sector is projected to grow globally at nearly 4 percent annually for the next two decades.²
- The University of Sydney is ranked number one in Australia and 14th in the world for graduate employability.³
- Australian Government health spending totalled $145.5 billion in 2013-14.⁴
- The highest starting salaries in 2014 for Australian graduates were for dentistry ($75,000) and medicine ($60,000).⁵

The Faculty of Health Sciences is currently located at our Cumberland Campus, Lidcombe, and the Faculty of Nursing and Midwifery is located on Mallett Street, Camperdown. We are planning to relocate our teaching, research and clinical services for both faculties to a new health-dedicated precinct on our Camperdown Campus in 2019. We are expecting this to be a smooth transition for the faculties, including our current and future students.

References:
2 Positioning for prosperity, catching the next wave, Deloitte 2014.
3 QS Graduate Employability Rankings 2015.
5 Graduate Salaries 2014, Graduate Careers Australia.
Your study options

We offer the largest range of health courses of any Australian university.

You will gain clinical experience in a range of healthcare settings – from our modern simulation facilities to our extensive network of partnerships and clinical schools in urban, rural and international locations. You’ll participate in interdisciplinary practice, learning from experts and academics alongside students from other health disciplines.

Our undergraduate degrees
We offer 11 standalone undergraduate degrees:

- Bachelor of Applied Science (Diagnostic Radiography)
- Bachelor of Applied Science (Exercise and Sport Science)
- Bachelor of Applied Science (Exercise Physiology)
- Bachelor of Applied Science (Occupational Therapy)
- Bachelor of Applied Science (Physiotherapy)
- Bachelor of Applied Science (Speech Pathology)
- Bachelor of Health Sciences
- Bachelor of Nursing (Advanced)
- Bachelor of Oral Health
- Bachelor of Pharmacy
- Bachelor of Pharmacy and Management (new in 2017).
Combined degrees
We offer a number of combined degrees shared with the faculties of Science, Arts, Business and the Sydney Conservatorium of Music.

Combining two degrees is a great way to explore and enjoy an undergraduate degree while taking a more career-specific path with a postgraduate degree. The combined degrees include:

- Bachelor of Science (Advanced)/Doctor of Dental Medicine
- Bachelor of Applied Science (Exercise and Sport Science)/Master of Nutrition and Dietetics
- Bachelor of Health Sciences or Bachelor of Arts or Bachelor of Science/Master of Nursing
- Bachelor of Commerce or Bachelor of Economics or Bachelor of Music Studies or Bachelor of Science (Advanced) or Bachelor of Medical Science/Doctor of Medicine.

Other courses
Health-related courses offered by other faculties include:

- Bachelor of Engineering Honours (Biomedical) (Faculty of Engineering and Information Technologies)
- Bachelor of Psychology (Faculty of Science)
- Bachelor of Science (Faculty of Science)
- Bachelor of Science/Master of Nutrition and Dietetics (Faculty of Science)

For more information about studying Medicine or Dentistry, visit
- sydney.edu.au/medicine
- sydney.edu.au/dentistry
Start your journey here

You may have a particular career path or health qualification in mind.

Whatever you choose, we’ve designed our programs to give you the practical experience and academic knowledge to become an engaged, enquiring and globally aware healthcare professional. The table below will help you identify the course or courses you need to choose to take the first steps on that journey.

<table>
<thead>
<tr>
<th>To become a</th>
<th>Start with a</th>
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<tbody>
<tr>
<td>Community or hospital pharmacist</td>
<td>Bachelor of Pharmacy/</td>
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<td></td>
<td>Bachelor of Pharmacy and Management</td>
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<tr>
<td>Dentist</td>
<td>Bachelor’s degree followed by Doctor of Dental Medicine**</td>
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<tr>
<td>Diagnostic radiographer</td>
<td>Bachelor of Applied Science (Diagnostic Radiography)</td>
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<tr>
<td>Dietitian</td>
<td>Bachelor of Science/Master of Nutrition and Dietetics</td>
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<tr>
<td>Exercise physiologist</td>
<td>Bachelor of Applied Science (Exercise Physiology)</td>
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<tr>
<td>General practitioner (Doctor)</td>
<td>Bachelor’s degree followed by Doctor of Medicine*</td>
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<tr>
<td>Occupational therapist</td>
<td>Bachelor of Applied Science (Occupational Therapy)</td>
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<tr>
<td>Oral health therapist</td>
<td>Bachelor of Oral Health</td>
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<tr>
<td>Physiotherapist</td>
<td>Bachelor of Applied Science (Physiotherapy)</td>
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<tr>
<td>Psychiatrist</td>
<td>Bachelor’s degree followed by Doctor of Medicine*</td>
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<td>plus further specialist study and training</td>
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<tr>
<td>Psychologist</td>
<td>Bachelor of Psychology</td>
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<tr>
<td>Registered nurse</td>
<td>Bachelor of Nursing (Advanced Studies) or a combined</td>
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<tr>
<td></td>
<td>degree (Bachelors of Arts, Health Sciences or Science/</td>
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<tr>
<td></td>
<td>Master of Nursing)</td>
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<tr>
<td>Speech pathologist</td>
<td>Bachelor of Applied Science (Speech Pathology)</td>
</tr>
<tr>
<td>Surgeon</td>
<td>Bachelor’s degree followed by Doctor of Medicine*</td>
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<tr>
<td></td>
<td>plus further specialist study and training</td>
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<tr>
<td>Health management, health advocacy,</td>
<td>Bachelor of Health Sciences</td>
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<tr>
<td>international development, health policy</td>
<td>Bachelor of Pharmacy</td>
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<tr>
<td>analysis, health information systems</td>
<td>Bachelor of Nursing (Advanced Studies)</td>
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<tr>
<td>design, health education and promotions,</td>
<td>Bachelor of Medical Science</td>
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<tr>
<td>Indigenous health, work health and safety</td>
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<tr>
<td>management, pharmaceutical research,</td>
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<tr>
<td>rehabilitation case management.</td>
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</table>

* High-achieving students may also apply for double degree medicine courses
** High-achieving students may also apply for the Bachelor of Science (Advanced)/Doctor of Dental Medicine
Clinical placements

Clinical placements are a major component of most of our health courses. This is an opportunity to gain real-world, hands-on training through our extensive network of top-tier hospitals and community and public health facilities across metropolitan, regional and rural NSW.*

Students in the Bachelor of Applied Science (Diagnostic Radiography, Exercise and Sport Science, Exercise Physiology, Occupational Therapy, Physiotherapy, Speech Pathology) undertake placements in urban, rural and hospital settings.

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 the third year of the course.

Bachelor of Pharmacy and Bachelor of Pharmacy and Management students undertake weekly visits to community pharmacies during their third year. Students also have a one-week block placement in third year and at least a further two weeks in fourth year.

Students undertaking combined degrees with master’s courses in the Doctor of Medicine or the Doctor of Dental Medicine will also undertake clinical placements during their course.

* You will need to obtain mandatory, government-regulated checks and clearances before undertaking a clinical placement. For more information, please visit: sydney.edu.au/study/admissions/enrol/course-checks-and-clearances.html
Our courses

Explore our wide variety of undergraduate degrees, the subjects you’ll study each year, and where they could lead you once you graduate.
The diagnosis of patients and subsequent patient treatment are often dependent on the radiographic images produced during the process.

Diagnostic radiography is a pivotal aspect of medicine that uses high-end imaging technology such as X-ray machines, MRI and CT scanners, and highly sophisticated cardiac units to identify injury or disease.

Diagnostic radiography students use cutting-edge simulated learning technologies to identify a range of clinical conditions. We are the only university in the world that has a remote access CT unit available for students to use for learning and research.

You will need to complete 48 weeks of clinical placement to fulfil accreditation requirements. You will complete clinical block placements in years two, three and four and need to complete at least one rural placement.

What next?
The Bachelor of Applied Science (Diagnostic Radiography) is an approved program of study for full registration as a diagnostic radiographer with the Medical Radiation Practice Board of Australia.

As a graduate you may work in public or private practice both in Australia and overseas. Diagnostic Radiography/Medical Imaging Technology centres are found in public hospitals, many private hospitals and private radiology practices and may be large or small, metropolitan or rural.

Key admission requirements
2016 ATAR: 95.0    IB: 37
UAC code: 512630
Duration: four years (full time)
Recommended studies: Mathematics plus one of Physics, Biology or Chemistry
E12: Applications close 2 September 2016

* Units of study in years three and four are subject to final approval.

Bachelor of Applied Science (Diagnostic Radiography)

Year 1
- Introductory Behavioural Health Sciences
- Structure, Function and Disease A
- Foundations of Biomedical Science
- Medical Radiation Physics
- Structure, Function and Disease B
- Health Physics and Radiation Biology
- Imaging Technology 1
- Foundations of Work Integrated Learning

Year 2
- Radiographic Science 1
- Radiographic Evaluation 1
- Image Optimisation and Processing
- Radiography Work Integrated Learning 1
- Radiographic Science 2
- Radiographic Evaluation 2
- Imaging Technology 2
- Radiography Work Integrated Learning 2

Year 3
- Health and Indigenous Populations
- Imaging Through the Lifespan
- Radiographic Science 3
- Radiography Work Integrated Learning 3
- Professional Issues and Leadership
- Radiography Work Integrated Learning 4
- Select one from: Health and Globalisation; International Health; FHS Abroad
- Elective (undergraduate elective as approved), or Honours A

Year 4
- Radiographic Evaluation 3
- Radiography Work Integrated Learning 5
- Radiography Work Integrated Learning 6
- Elective or Honours B
- Radiography Work Integrated Learning 7
- Radiography Work Integrated Learning 8
- Comparative Imaging
- Professional Project (Capstone) or Honours C
Bachelor of Applied Science (Exercise and Sport Science)

Exercise scientists help people to achieve the best possible physical performance. They design, implement and evaluate exercise and physical activity plans for healthy people.

Learn the skills to integrate exercise and physical activity with disease prevention and the promotion of good health, rehabilitation, nutrition and sports performance. Specific skills include: the assessment and testing of clients; effective design, management and evaluation of exercise programs; and sports performance nutrition.

You will learn how to help people recover from injury, maximise performance of elite athletes, promote healthy ageing or generally improve people’s health and wellbeing.

Professional fieldwork is an integral part of the program with all students completing a minimum of 140 hours of approved professional experience. This gives you the opportunity to apply your theoretical knowledge to practice in a variety of community settings. It is also a requirement for membership of the professional body for Australian exercise scientists, Exercise and Sport Science Australia (ESSA).

What next?

The Bachelor of Applied Science (Exercise and Sport Science) degree is fully accredited by ESSA and graduates are eligible to become full members.

Our graduates find 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.

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

Year 1

- Introductory Behavioural Health Sciences
- Foundations of Biomedical Science
- Functional Musculoskeletal Anatomy A
- Fundamentals of Exercise Science
- Functional Musculoskeletal Anatomy B
- Body Systems: Structure and Function
- Muscle Mechanics and Training
- Biomechanics of Human Movement

Year 2

- Neuroscience
- Biomechanical Analysis of Movement
- Exercise Physiology and Biochemistry
- Health Sciences and Research
- Nutrition, Health and Performance
- Exercise Physiology – Training Adaptations
- Growth, Development and Ageing
- Exercise Testing and Prescription

Year 3

- Motor Control and Learning
- Exercise, Health and Disease
- Sport and Exercise Psychology
- Professional Practice
- Choose four approved electives from across the faculty or University including: Anatomical Analysis of Exercise; Exercise and Rehabilitation; Physiological Testing and Training; Management, Marketing and the Law; Designing a Research Project; FHS Abroad; Exercise Pharmacology and Immunology; Biomechanics of Sports Techniques; Environmental Stress and Physiological Strain; Physical Activity and Population Health.

Key admission requirements

2016 ATAR: 85.0  IB: 31
UAC code: 512655
Duration: three years (full time)
Assumed knowledge: Chemistry, Mathematics
E12: Applications close 2 September 2016
Bachelor of Applied Science (Exercise and Sport Science)/
Master of Nutrition and Dietetics

This combined five-year degree will teach you how to design effective exercise and nutrition programs to improve the quality of life for both individuals and communities, including healthy people, ageing populations and people with a disability or disease.

Upon completion of the combined degree, you will be an Accredited Exercise Scientist and Accredited Nutritionist and Practising Dietitian.

Key admission requirements
2016 ATAR: 99  IB: 42
UAC code: 512658
Duration: five years (full time)

Bachelor of Applied Science (Exercise Physiology)

Exercise physiologists design exercise programs to prevent and manage chronic injury and diseases such as cardiovascular disease, diabetes, obesity, osteoporosis, cancer and arthritis.

Train in the assessment of physical and functional capacity, the identification of risks and the design of targeted exercise programs. Learn how to apply interventions and to advise patients in achieving lifestyle or behavioural change. You will undertake a minimum of 500 hours of integrated practical and clinical experience with a range of clients in hospitals, gyms and on-site clinics at the Faculty of Health Sciences.

What next?

Graduates are accredited by the National Universities Course Accreditation program of Exercise and Sports Science Australia (ESSA). Exercise physiologists provide services under Medicare, WorkCover, private health insurance and the Department of Veterans’ Affairs.

Exercise physiologists work in all sectors of health including cardiac rehabilitation, musculoskeletal rehabilitation, mental health, long-term rehabilitation following spinal cord injury, ageing, occupational rehabilitation and programs for people with an intellectual disability.

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

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
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<tbody>
<tr>
<td>Introductory Behavioural Health Sciences</td>
<td>Neuroscience</td>
<td>Motor Control and Learning</td>
<td>Clinical Placement 1</td>
</tr>
<tr>
<td>Foundations of Biomedical Science</td>
<td>Biomechanical Analysis of Movement</td>
<td>Exercise, Health and Disease</td>
<td>Case Studies 1 Clinical Exercise Science</td>
</tr>
<tr>
<td>Functional Musculoskeletal Anatomy A</td>
<td>Exercise Physiology and Biochemistry</td>
<td>Sport and Exercise Psychology</td>
<td>Clinical Placement 2</td>
</tr>
<tr>
<td>Fundamentals of Exercise Science</td>
<td>Practice in Clinical Exercise Physiology</td>
<td>Practicum with Low-Risk Clients</td>
<td>Clinical Placement 3</td>
</tr>
<tr>
<td>Functional Musculoskeletal Anatomy B</td>
<td>Nutrition, Health and Performance</td>
<td>Exercise and Rehabilitation</td>
<td>Clinical Placement 4</td>
</tr>
<tr>
<td>Body Systems: Structure and Function</td>
<td>Exercise Physiology-Training Adaptations</td>
<td>Exercise Pharmacology and Immunology</td>
<td>Case Studies 2</td>
</tr>
<tr>
<td>Muscle Mechanics and Training</td>
<td>Growth, Development and Ageing</td>
<td>Exercise Across the Lifespan</td>
<td>Two electives:</td>
</tr>
<tr>
<td>Biomechanics of Human Movement</td>
<td>Exercise Testing and Prescription</td>
<td>- Workplace Injury Prevention/Management;</td>
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<td>- an approved faculty/University elective;</td>
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<td>- Honours B and Honours C.</td>
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</table>

Key admission requirements

2016 ATAR: 90.0        IB: 33
UAC code: 512652
Duration: four years (full time)
Assumed knowledge: Chemistry, Mathematics
E12: Applications close 2 September 2016
Bachelor of Applied Science (Occupational Therapy)

Occupational therapy aims to enable people’s full participation in meaningful life. Occupational therapists help people who have a permanent or temporary disruption to their roles or activities, or who are at risk of developing problems in these roles or activities.

This course will equip you to work with individuals and groups of all ages and needs in a variety of settings. It covers a wide range of topics including human anatomy, neurosciences, occupational therapy theory and practice, psychology and social sciences.

You will undertake 1000 hours of clinical placement under supervision in hospitals, community centres and specialist practices. Placements occur each year, with longer placements in senior years – these may occur in holiday periods. At least one will take you outside Sydney.

**What next?**

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

Bachelor of Applied Science (Occupational Therapy)

The breadth of occupational therapy means you can diversify your career while staying within the same profession. For example, you could work one-on-one in rehabilitation with stroke or cancer survivors, then work with babies in a neonatal intensive care unit or young adults in a community mental health program.

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

*Students in the honours program enrol in three specific honours units (A, B and C) 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.*

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**Year 1**
- Functional Musculoskeletal Anatomy A
- Health Science and Research
- Understanding Occupation–People-Context
- Analysing Occupations and Performance
- Teaching Occupations and Performance
- Occupational Performance: Healthcare 1
- Professional Practice 1
- Elective (non OT)

**Year 2**
- Health, Behaviour and Society
- Occupational Performance: Child and Family
- Occupational Performance: Home and Family
- Professional Practice 2
- Neuroscience
- Occupational Performance: Community
- Occupational Performance: Healthcare 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**
- Health Promotion Through Occupation
- Professional Practice IV
- Evaluation in Professional Practice
- Three electives* (OT or non–OT). Possible OT electives include:
  - OT in Learning and Coordination Difficulties
  - Upper Limb and Hand Rehabilitation
  - OT in Work Injury Prevention and Rehabilitation
  - Mental Health Interventions
  - People with Intellectual Disability
  - Technology in OT

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**Key admission requirements**

**2016 ATAR:** 93.0
**IB:** 35
**UAC code:** 512600
**Duration:** four years (full time)
**Recommended studies:** Biology
**E12:** Applications close 2 September 2016
Bachelor of Applied Science (Physiotherapy)

Physiotherapists assess, diagnose and treat people with movement problems caused by a wide variety of joint, muscle and nerve disorders. They help people with an injury or disability to improve their mobility and quality of life. They enable others to maintain fit, healthy bodies, manage chronic conditions or recover from surgery or childbirth.

You will learn how to help people avoid injuries and maintain a fit and healthy body. You will also benefit from clinical simulation in the Faculty of Health Sciences state-of-the-art simulated hospital to practise your skills in a safe learning environment.

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

Year 1
- Functional Musculoskeletal Anatomy A
- Body Systems: Structure and Function
- Health, Behaviour and Society
- Foundations of Physiotherapy Practice A
- Functional Musculoskeletal Anatomy B
- Neuroscience
- Muscle Mechanics and Training
- Foundations of Physiotherapy Practice B

Year 2
- Motor Control and Learning
- Exercise Physiology for Clinicians
- PT in Musculoskeletal Conditions A
- Preventative Health Care
- PT in Musculoskeletal Conditions B
- PT in Neurological Conditions A
- PT in Respiratory and Cardiac Conditions A
- Clinical Practicum A

Year 3
- PT in Musculoskeletal Conditions C
- PT in Neurological Conditions B
- Paediatric Physiotherapy
- PT in Respiratory and Cardiac Conditions B
- Clinical Practicum B
- Clinical Practicum C
- Physiotherapy in Multisystem Problems
- Elective*

Year 4
- Advanced Professional Practice A
- Physiotherapy Practicum D
- Physiotherapy Practicum E
- Advanced Professional Practice B
- Physiotherapy in Sport and Recreation
- Clinical Practicum F
- Choose two faculty electives*

Key admission requirements
2016 ATAR: 99.0     IB: 42
UAC code: 512605
Duration: four years (full time)
Assumed knowledge: Physics, Chemistry
Recommended studies: Mathematics
E12: Applications close 2 September 2016

* Students in the honours program enrol in three specific honours units (A, B and C) in years 3 and 4, in lieu of the elective units
What next?

This program is accredited by the Australian Physiotherapy Council on behalf of the Australian Health Practitioner Regulation Agency.

Bachelor of Applied Science (Physiotherapy) graduates are eligible to apply for registration as a physiotherapist with the Australian Physiotherapy Board.

Physiotherapists work in settings as diverse as hospitals and community health centres, sports clinics and sporting organisations, private practice, women’s health, paediatrics, rehabilitation, mental health and aged care facilities, schools and many others.

Many of our graduates obtain highly sought-after graduate physiotherapist positions in the NSW public health system, providing assessment and treatment to both inpatients and outpatients.

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

Our students: working with the Socceroos

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 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)

Speech pathologists improve the quality of life of people with a communication or swallowing disability by empowering them to communicate more effectively. Communication disabilities are the result of problems with speech, using and understanding language, voice, fluency, hearing, or reading or writing.

You will be involved in the assessment and treatment of communication and swallowing disorders in both children and adults, including problems with speaking, comprehension, reading, writing, voice problems and stuttering. 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 students. We welcome applications from students with disabilities.

Clinical practice is an integral part of the program. Observation commences in first year and clinical practice starts in second year. Under supervision, clinical practice takes place in the on-campus clinic, hospitals, community health centres, developmental disability services, schools and specialist clinics. At least one placement will take place outside of the Sydney metropolitan area.

Year 1
- Psychology and Cognitive Factors
- Speech Science
- Linguistics and Phonetics
- Foundations of Biomedical Science (or elective)
- Hearing Science and Audiology
- Neuroscience 1: Communication Disorders
- Human Communication
- Stuttering

Year 2
- Neuroscience II: Communication Disorders
- Child Language
- Speech Sound Disorders
- Introductory Practice 1: Clinical; or
- Introductory Practice 1: Community
- Cognitive Neuropsychology
- Motor Speech and Dysphagia
- Voice and Voice Disorders
- Introductory Practice 2: Clinical; or
- Introductory Practice 2: Community

Year 3
- Specialist Studies
- Neurogenic Language Disorders
- Lifelong Disability and Augmentative and Alternative Communication
- Intermediate Clinic 1: Child; or
- Intermediate Clinic 1: Adult
- Counselling and Behaviour Management for Communication Disorders
- Phonology, Language and Literacy
- Speech Pathology Research Methods
- Intermediate Clinic 2: Adult and Community; or
- Intermediate Clinic 2: Child and Community

Year 4
- Evidence-Based Practice for Speech Pathology
- Professional Issues
- Advanced Practice: Clinical
- Advanced Practice: Community
- Advanced Practice: Paediatric
- Advanced Practice: Adult


sydney.edu.au
What next?

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.

Graduates who are fluent in a community language are highly sought after.

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

Key admission requirements

2016 ATAR: 95.0  IB: 37
UAC code: 512610
Duration: four years (full time)
Recommended studies: English (Advanced)
Other information: A bridging course in grammatical analysis is recommended for all students
E12: Applications close 2 September 2016
Gain high level analytical, critical thinking, communication and research skills. Learn about health at local and international levels, as well as eHealth and leadership. These skills will prepare you to contribute to a sector that is changing and adapting to new and emerging health conditions, illnesses and technological advances.

The Bachelor of Health Sciences is a flexible degree where you can design your studies to suit your interests in health. You will look at the political, social, behavioural, environmental, economic and international contexts of health systems and delivery of health services, and how these impact on access to healthcare at the individual and community level.

You will complete two majors in this three-year degree, including the compulsory Health Sciences major.

What next?

Graduates can expect to move directly into health or industries supporting health in the private or public health sector. The broad, detailed understanding of health is also invaluable for careers in specialist health professions.

You may wish to undertake an additional two-year master’s degree to become a clinical practitioner, such as a physiotherapist, occupational therapist, rehabilitation counsellor, diagnostic radiographer or speech pathologist. There are many other study opportunities to further your career, such as disability, public health, medicine, research, administration or law.

A four-year combined Bachelor of Health Sciences/Master of Nursing degree is also available. Year 1 of this course is focused on the Bachelor of Health Sciences, with years 2 and 3 split equally between the two degrees. Year 4 is entirely nursing with an extended placement in a clinical setting.

- sydney.edu.au/courses/bachelor-of-health-sciences
Health Sciences major

Junior and intermediate units of study (all units required)
- Any junior Biology unit
- Foundations of Health Science
- Health Care Resources and Systems
- Health Determinants and Interventions
- Psychology 1001 or Psychology 1002
- Research Methods in Health

Senior units of study (choose three)
- Alcohol and Drug Misuse Rehabilitation
- FHS Abroad (international elective)
- Health, Ethics and the Law
- Health and Indigenous Populations
- Health and Lifelong Disability
- Health Promotion: Principles and Practice
- Health Service, Strategy and Policy
- International Health Project
- Mental Health Rehabilitation
- Rural Health

Senior research units of study (choose one)
- Designing a Research Project
- Evidence-Based Health Care
- Qualitative Research Methods in Health
- Quantitative Research Methods in Health

Second majors

Anatomy and Histology: ideal for a neuroscience, medical, forensic or research career path.

Hearing and Speech: teaches you about language and communication. A pathway to the Master of Speech Language Pathology.

Industrial Relations and Human Resource Management: put your knowledge of organisational and people management into practice within the health sector, the most rapidly growing area of the Australian economy.

Information Systems: health technologies are an integral part of health service delivery and demand for health information system managers, designers and developers is on the rise.

Languages: ideal if you are interested in working with culturally and linguistically diverse communities and/or applying your health knowledge internationally.

Management: work in strategic business development or project planning to help realise the potential of employees in health and health-related organisations.

Marketing: understand consumer behaviour and decision making that may be applied to social marketing campaigns designed to promote healthy lifestyles or prevent illness.

Movement Science: learn about the mechanics and movement of the body and how physical activity impacts on health. A pathway to the Master of Physiotherapy.

Psychology: study the science of human behaviour and mental processes. This major opens doors to many interesting careers and a pathway to further study to become a registered psychologist or counsellor.

Sociology: study how people behave and interact in different social contexts, including concepts such as inequality, power, change, agency and identity and how these influence health outcomes for the community.

Key admission requirements
ATAR: 80.0  IB: 29
UAC code: 512670
Duration: three years (full time)
E12: Applications close 2 September 2016
Bachelor of Nursing (Advanced Studies)

Nursing is one of the most trusted professions. It encompasses patient care, the promotion of health, prevention of illness, advocacy and research.

Learn to care for individuals, families, groups and communities of all ages at the number one nursing school in Australia.*

Study a philosophy of care focusing on people and their individual health needs in community and acute healthcare settings. Practise your skills in our clinical labs and simulation wards, becoming proficient at taking blood pressure, pulse, listening to breath, heart and bowel sounds, dressing wounds, preparing and administering medications, conducting interviews, charting progress and documenting patient information.

Using case studies taken from real situations to challenge your clinical and decision-making skills, you will learn to respond to the needs of the patient.

The advanced studies element of this degree is woven into everything you learn – focusing on leadership, using research to make evidence-based decisions and enhancing your understanding of the international health landscape.

We offer 880 clinical practice hours, in line with the Australian Nursing and Midwifery Accreditation Council’s requirements. Clinical placements start in the first year of your program. Placement settings include emergency departments, intensive care units, paediatric units, mental health facilities and community health centres. Most take place within the Sydney metropolitan area, but we also encourage rural, interstate and international placements.

The NSW Ministry of Health offers rural placement grants to assist nursing students with travel and accommodation costs associated with rural placements. In your final year you may have the opportunity to undertake an overseas clinical placement.

What next?

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

Most of our graduates succeed in obtaining a new graduate transition position in public or private hospitals.

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

Year 1
- Health and Human Biology
- Health Assessment
- Population Health to Personal Healthcare
- Nursing Knowledge, Practice and Policy
- Interruptions to Normal Physiology
- Understanding Experiences of Illness
- Health Research
- Acute Care Nursing Practice

Year 2
- Introduction to Pharmacology
- Ageing, Health and Care
- Contexts of Health and Disease
- Understanding Mental Health and Illness
- Pharmacology, People and Practice
- Child and Adolescent Health and Care
- Clinical Practice in Mental Health
- Health and Indigenous Populations

Year 3
- Nursing the Critically Ill Person
- Community Health Nursing
- Leadership in Professional Practice
- Managing Chronic Conditions
- First Line Intervention
- Life-limiting Conditions and Palliation
- Australian Health Care System
- Professional Practice – Bachelor of Nursing (Advanced Studies)

Key admission requirements
2016 ATAR: 84.0
IB: 31
UAC code: 511925
Duration: three years (full time)/six years (part time)
E12: Applications close 2 September 2016

* 2016 QS World University Rankings by subject

sydney.edu.au The University of Sydney Your future in health
Bachelor of Oral Health

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

Oral health therapists are valuable members of the dental team and are highly sought after by both the public and private dental health sectors.

The Bachelor of Oral Health is a full time, five-days-a-week course taught over three years. The course equips you with the required knowledge, clinical skills and experience to deliver dental hygiene and therapy treatment services, and oral health education and promotion, to patients and communities throughout Australia and New Zealand.

During the first two years of the course, you will learn about the biomedical and behavioural sciences, periodontics, tooth conservation, and be introduced to oral health in society. Simulation and clinical tuition mainly take place at the Westmead Centre for Oral Health and the Nepean Dental Health Clinic in years 1 and 2. You will provide treatment to your first dental hygiene patients in Semester 1 of second year and your first dental therapy patients in Semester 2 of second year. The third year of the course involves extensive clinical practice in a variety of locations, as well as community health education and promotion projects and a two-week placement. Although admission to this course is competitive, the student selection process takes several factors into consideration.

What next?

Graduates are eligible for registration with the Dental Board of Australia and are licensed with the Environmental Protection Authority to use diagnostic radiation.

Oral Health Therapy graduates work as dental therapists, dental hygienists and in oral health promotion in the public or private sectors throughout Australia and New Zealand. You may provide dental care in a variety of metropolitan and rural/remote settings including public hospitals, private dental practices, community health centres and Aboriginal and Torres Strait Islander medical services.

Key admission requirements

2016 ATAR and IB: Refer to sydney.edu.au/dentistry/documents/study/BOH_Admissions_guide_2016.pdf

UAC code: 511401  CRICOS code: 072495J

Duration: three years (full time)
Our students

Daniel Walsh
Bachelor of Nursing (Advanced Studies) student

“I chose to study nursing because it’s a really dynamic profession and you get a chance to make a huge difference in people’s lives. It also provides fantastic opportunities to live and work overseas.

“This program particularly appealed to me as it is extremely well regarded, offers early practical experience, and provides a diverse range of clinical placement opportunities – from the city to the bush.”

Christina Nga Tran
Bachelor of Oral Health student

“I wanted to become a dental practitioner to help others improve their health, and studying the Bachelor of Oral Health has allowed me to do so. Not only do you make a profound impact on people’s lives, but the course also challenges you to become the best you can be.”
Max Timmins
Community pharmacist
Bachelor of Pharmacy 2012

Why did you study pharmacy?
My interest in chemistry, biology and the sciences in general, coupled with my enjoyment of healthcare and interacting with people made pharmacy the perfect choice for me.

A career in pharmacy is really diverse and flexible – there are just so many avenues you can explore, from community and hospital pharmacy roles to the huge range of jobs in the pharmaceutical industry.

Tell us about the course and what you enjoyed about it.
When I got to university and learned about the interaction between the human body, chemistry and microbiology, it blew my mind. It is amazing that such small changes at a molecular level can have such a huge impact on the human body.

The course focuses on disease states and different parts of the body. It gave me a well-rounded understanding of the chemistry behind pharmacy before delving into the social, business and hospital aspects.

My Bachelor of Pharmacy helped me get my job because the University of Sydney is known for producing good graduates.

What are you doing now?
I am working as a community pharmacist in Coffs Harbour, on the north coast of NSW. I love this work because we give the patients the care they need and deserve. Community pharmacists are such a vital part of the healthcare system, especially in rural communities, where we are often the first point of healthcare contact for a large number of people. I find the job incredibly rewarding.
Bachelor of Pharmacy

Pharmacists do much more than fill prescriptions – they are an integral part of the healthcare system and have the capacity to directly affect the lives and lifestyles of the people with whom they interact.

Pharmacists work in a range of settings including community pharmacies, hospitals, and as consultants or researchers. They provide services such as education, medication reviews, patient counselling and disease prevention.

During four years of full-time study, you will learn how drugs are developed and how medications affect the human body. You will study the chemical, physical, pharmaceutical and pharmacological properties of medicines, and the application of these in the practice of pharmacy.

You will undertake weekly visits to community pharmacies during third year. You will also have a one-week block placement in third year and at least a further two weeks in fourth year. By the end of fourth year, you will have undertaken up to five weeks of placements in clinical experience, as well as a series of community pharmacy visits.

Year 1
- Human Biology
- Chemistry A (Pharmacy)
- Foundations of Pharmacy
- Basic Pharmaceutical Sciences
- Chemistry B (Pharmacy)
- Molecular Biology and Genetics (Intro)
- Social Pharmacy
- Physical Pharmaceutics and Formulation A

Year 2
- Drug Discovery and Design A
- Microbiology and Infection
- Therapeutic Principles
- Physiology for Pharmacy
- Pharmacology for Pharmacy
- Drug Discovery and Design B
- Pharmacy Practice
- Physical Pharmaceutics and Formulation B

Year 3
- Cardiovascular and Renal
- Respiratory
- Endocrine, Diabetes and Reproductive
- Gastrointestinal
- Musculoskeletal, Dermatological and Senses
- Oncology and Immunology
- Mental Health
- Neurology
- Pharmaceutical Skills and Dispensing A
- Pharmaceutical Skills and Dispensing B

Year 4
- Pharmacotherapeutics
- Integrated Dispensing Practice
- Pharmacy Services and Public Health
- Pharmacy Management I
- Novel Therapeutics*
- Professional Practice*
- Clinical Placement*
- Fourth year honours**
- Research Methods replaces Pharmacy Management I in Semester 1 and honours replaces Novel Therapeutics, Professional Practice and Clinical Placement units in Semester 2.

Key admission requirements
2016 ATAR: 90.0 IIB: 33
UAC code: 512400
Duration: four years (full time)
CRICOS code: 000723J

* The fourth-year International Major has a 24-credit-point international exchange component and a 24-credit-point industrial placement replacing Novel Therapeutics, Professional Practice and Clinical Placement units
** Honours is by invitation only and is available in the fourth year of the program for high-achieving students
What next?

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.

There is a wide variety of career choices open to registered pharmacists. Examples include retail pharmacy (community practice), hospital pharmacy, research positions within universities or research institutes, or positions in the pharmaceutical industry in drug production or marketing of drug development.

- sydney.edu.au/courses/bachelor-of-pharmacy
- sydney.edu.au/courses/bachelor-of-oral-health
Bachelor of Pharmacy and Management (new in 2017)

The Bachelor of Pharmacy and Management is a new degree that teaches a unique combination of pharmacy skills and business knowledge to develop an understanding of sound business practices integrated with sustainable healthcare models.

During this five-year course you will learn about the chemical, physical, pharmaceutical and pharmacological properties of medicines and the application of these in the practice of pharmacy, as well as business fundamentals.

You will undertake weekly visits to community pharmacies during third year. You will also have a one-week block placement in third year and at least a further two weeks in fourth year. By the end of your fourth year, you will have had at least three one-week clinical placements as well as a series of community pharmacy visits.

What next?
To become a registered pharmacist, graduates of this course must 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 will need to demonstrate an IELTS score of 7.5 or equivalent.

Your understanding of sound business practices integrated with sustainable healthcare models will help you thrive in the changing and competitive healthcare landscape for practising pharmacists.

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

Key admission requirements
2016 ATAR: n/a
This is a new course, so information on previous ATAR levels is not available. The ATAR for intake is likely to be the same as the Bachelor of Pharmacy (which was 90.0 in 2016).

UAC code: 512402
Duration: five years (full time)
CRICOS code: 089436C

Year 1
- Human Biology, Chemistry A (Pharmacy)
- Foundations of Pharmacy
- Introduction to Business*
- Chemistry B (Pharmacy)
- Molecular Biology and Genetics (Intro)
- Social Pharmacy
- Accounting, Business and Society*

Year 2
- Basic Pharmaceutical Sciences
- Physiology for Pharmacy
- Microbiology and Infection
- Quantitative Business Analysis*
- Physical Pharmaceutics and Formulation A
- Pharmacology for Pharmacy
- Pharmacy Practice
- Foundations of Business Law*

Year 3
- Drug Discovery and Design A
- Therapeutic Principles
- Foundations of Work and Employment*
- Digital Business Innovation*
- Drug Discovery and Design B
- Physical Pharmaceutics and Formulation B
- Marketing Principles*
- Leading and Influencing in Business*

Year 4
- Cardiovascular and Renal
- Respiratory
- Endocrine, Diabetes and Reproductive
- Gastrointestinal
- Musculoskeletal, Dermatological and Senses
- Oncology and Immunology
- Neurology
- Pharmaceutical Skills and Dispensing A
- Pharmaceutical Skills and Dispensing B

Year 5
- Pharmacotherapeutics
- Integrated Dispensing Practice
- Novel Therapeutics
- Foundations of Management*
- Professional Practice
- Pharmacy Services and Public Health
- Clinical Placement

* Business and management units are offered by the University of Sydney Business School, may change for 2017, and are subject to final approval.
A world of opportunity

Joining us is not just about studying. We offer you a range of opportunities to get involved in university life and gain real-world experience in Australia and overseas.

Mentoring
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/current-students/belong-mentoring
- sydney.edu.au/nursing/study/additional/international

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 a six credit point elective unit of study overseas (Vietnam, Cambodia or India) at a community-based organisation in a health services field.

- sydney.edu.au/health-sciences/current-students/fhs-abroad

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

Scholarships
We offer a wide range of scholarships throughout the year, including equity, subject-based, high achiever and overseas exchange scholarships. Check the website to see what you might be eligible for.

- sydney.edu.au/scholarships/prospective/faculty

Leadership
All students enrolled in Faculty of Health Sciences courses have the opportunity to participate in Sydney Health Leaders, a workshop and seminar series to develop leadership skills.

- sydney.edu.au/health-sciences/current-students/sydney-health-leaders.shtml

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.
How to apply
Domestic students

Step 1: choose your course
Step 2: check the entry requirements of the course
Step 3: explore your entry options
Step 4: submit your application through the Universities Admissions Centre (UAC).

Check the entry requirements
For most courses, entry is based on your ATAR (Australian Tertiary Admission Rank) or equivalent. For some other courses, such as medicine, music, oral health, visual arts or veterinary science, entry may also be based on an interview, portfolio or performance. For details, visit our website:

- sydney.edu.au/study/entry-reqs

Additional English language requirements can also apply. For more information, refer to:

- sydney.edu.au/study/english-reqs

Explore entry options
Through Access Sydney, we offer a number of alternative 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 scheme, whether you’re currently in Year 12 or finished high school a while ago.

- sydney.edu.au/access

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 the entry requirements of the course
Step 3: submit your application online with the relevant documents.

Check the entry requirements

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, either through an accepted senior secondary qualification or at least one year of tertiary studies. For a full list of accepted senior secondary qualifications, visit

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

If your qualification isn’t recognised, you can complete one of the following:

- a university preparation course through the University of Sydney Foundation Program; see sydney.edu.au/study/foundation
- one year of full-time study in a bachelor’s degree at a recognised tertiary institution, with required grades, or an equivalent tertiary qualification accepted by the University.

For more information about the undergraduate entry requirements for international students, visit

- sydney.edu.au/study/entry-reqs

Submit your application

As an international student, you can apply in the following ways:

- direct application sydney.edu.au/study/how-to-apply
- through a university agent (representative sydney.edu.au/study/overseas-agents

If you are an international student studying for an Australian/New Zealand senior secondary or International Baccalaureate qualification, you can apply online through the Universities Admissions Centre International website:

- uac.edu.au/international

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.

English language requirements

As an international student, you 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
One more thing to consider

Your journey to university is as unique as you are.

At the University of Sydney, you have the opportunity to develop your expertise and help make a positive and lasting contribution to society.

This guide provides the key information you need to apply for a degree in health.

The next step is up to you.