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Welcome

The University of South Australia is a young institution with an agile, innovative approach to educating tomorrow’s professionals and solving today’s challenges. As a university of enterprise, our efforts are focused on providing economic and social benefits to the nation and the world.

Formed in 1991 but built on more than 150 years of creating and applying knowledge, the University has quickly established a global reputation for the quality and creativity of its graduates and the innovative, outcomes-focused relevance of its research.

Our reputation for excellence continues to grow. The University of South Australia is Australia’s youngest university to be ranked in Times Higher Education’s top 50 of world universities under 50 years old. We’re also ranked in the top 3 per cent of the world’s highest performing institutions in the QS university rankings, one of only three Australian universities under the age of 25 to feature in that world’s best list. The University’s research was also rated at world-standard, or above in the second Excellence in Research Australia (ERA) assessment.

With almost 34,000 students in 2013, we are South Australia’s biggest university. We offer more than 400 degree programs in business, education, arts, social sciences, health sciences, information technology, engineering and the environment. Programs are designed with strong professional emphasis and in partnership with industry, and our graduate employment rates are above the national average.

At the University of South Australia, you will discover a vibrant on-campus culture and join an active and diverse student population. This blend enriches the intellectual and social life of our academic community, providing both an enhanced student experience as well as the ideal teaching and learning environment for cultivating tomorrow’s leaders and innovators.

I hope that you will consider joining us and I look forward to seeing you on campus soon.

Professor David G. Lloyd
Vice Chancellor and President
Welcome to Australia’s university of enterprise

Enterprise education incorporates the latest research, work placements, experiential learning and industry links. Our graduates are tomorrow’s leaders and innovators.

New learning centre
The Jeffrey Smart Building is our brand new learning and information hub on Hindley Street. Delivering state-of-the-art teaching and learning facilities and support, this building will transform the west end of the city and enhance the community with a vibrant student population.

The IDEAS university
Our spirit of enterprise begins with nurturing ideas. From concept, to development and into reality we are behind bringing ideas to life through new industry partnerships and engaged research.

Examples include:

> Global IT partnership — teaming with Global IT giant Hewlett Packard, in a first for any Australian university, to open a new HP Innovation and Collaboration Centre.
> Hills Limited innovation partnership — a new partnership with the State Government and Flinders University set to put South Australia at the forefront of innovative product design and technology expertise for a wide range of industries.
> SciCEd — plans to launch Australia’s newest interactive public science space and inspiring young people to study Science, Technology, Engineering and Mathematics (STEM).
> Honorary Doctorates — awarding an Honorary Doctorate to Major General Charles Bolden Jr, administrator of the National Aeronautics and Space Administration (NASA) and inspirational champion for education equity and access. We have also acknowledged winemaker and business leader Wolf Blass AM and leading feminist, editor and publisher Anne Summers.
The CONNECTED university

Our connections stretch across the world, through our city and into our student community.

- **Our world** — a worldwide network of 177,000 alumni supported by formal networks in Hong Kong, Singapore, Malaysia, Taiwan and the United Kingdom.
- **Our community** — helping to build stronger local communities through the support of local community and industry groups. We also sponsor many of Adelaide’s cultural highlights including: the Tour Down Under, WOMAD, the Festival of Arts, the Australian HPV Super Series and Head of the River.
- **Our students** — we remain connected to the needs of our students through the University of South Australia Students’ Association (USASA) and support their journey from start to finish with a warm welcome at orientation, modern facilities, and opportunities to create lasting memories and build lifelong friendships.

The university of enterprise
	unisa.edu.au/profile

The SOLUTIONS university

Harnessing our spirit of creativity as well as the excellence of our research we seek out innovative solutions to the challenges of the future.

Our capacity to deliver innovative and effective solutions is enhanced by:

- **Excellent research performance** - quality research that is ranked world-class or above in the 2012 Excellence in Research Australia results. We are also amongst the world’s top three per cent in the QS World University Rankings.
- **Flagship research institutes and centres** — seven research institutes and 17 supported research centres, all supplying fundamental advances in knowledge to address the changing needs of our world.
- **Cutting-edge research facilities** — purpose-built laboratories including industry-standard cleanrooms for cell therapy research and more.

We are also boosting our capability to provide solutions to existing and emerging health issues through a presence in the southern hemisphere’s largest health and biomedical research precinct with the:

- **School of Population Health** — co-location of an entire school in the South Australian Health and Medical Research Institute (SAHMRI) to undertake research into the health and wellbeing challenges within growing populations.
- **Centre for Cancer Biology** — a new alliance with the Centre for Cancer Biology which will lead vital new research into leukaemia.

Keep up-to-date with our latest news at
	unisa.edu.au/news

91% of our graduates going on to full-time work are employed in a professional occupation within four months of completing their degree

Graduate Destinations Survey

86% of our research at or above world-class

The Australian Research Council’s 2012 Excellence in Research for Australia (ERA)
The Health Hub

Join a community of like-minded students preparing for a dynamic career in health care.

UniSA is the place for health and medical science studies. Programs in this area are taught at our City East campus, otherwise known as The Health Hub. We offer a unique interprofessional learning environment where you’ll work and study alongside people from a diverse range of health care professions — your future colleagues.

Opposite the Royal Adelaide Hospital and home to UniSA’s health clinics, you’ll find a BreastScreen SA clinic as well as our Physiotherapy, Podiatry and Exercise Physiology clinics. Staffed by students under the guidance of clinicians, the clinics provide a valuable service to the University community and the general public, and provide important learning opportunities for students.

World-class research

From cancer treatment to genetic and infectious diseases, nutrition and exercise, population health and epidemiology and the early origins of adult health, our internationally recognised Sansom Institute for Health Research brings together leading scientists to tackle some of the big health care challenges of the 21st century.

You’ll be supported and taught by academics at the forefront of their profession, with our international reputation for excellence in research opening opportunities that you may not have considered.
3 on campus health clinics
Physiotherapy, Exercise Physiology, Podiatry

Find out more online...
For more information on health and medical sciences at the University of South Australia including entry pathways, student case studies and more visit:
- unisa.edu.au/rehabilitation-health-sport
- unisa.edu.au/nursing-midwifery
- unisa.edu.au/pharmacy-medical
- unisa.edu.au/medical-radiation

40 YEAR history teaching
allied health professionals

OVER 1 MILLION HOURS
of clinical placement completed by health sciences students each year
Rehabilitation, Health and Sport Sciences

Developing our graduates to inspire a healthy, active, successful and socially-just society.

Recognised as above world class in the latest national report card, the excellence of our teaching and research is evident.

Our educators prepare you to perform to the high standard expected of future leaders in health and sport sciences. You’ll learn in state-of-the-art facilities, such as our High Performance and Exercise Physiology Clinic, Physiotherapy and Podiatry clinics, industry standard Sensory Laboratory and Commercial Kitchen. You’ll also have access to high quality clinical placement and field study opportunities in a variety of public and private settings.

At a time when new discoveries are being made every day and awareness of the importance of physical and mental health, food and nutrition is at its highest, our graduates are in strong demand.

Honours

High achieving students may be accepted into an Honours program/stream, and depending on results, may be eligible to proceed to postgraduate research degree study.

National Criminal History Record Check

All students in the Division of Health Sciences who, as part of their program, undertake activities where interaction with patients/the public is required, such as in field or clinical placements/visits and in University clinics and gyms, must demonstrate that they have a Department for Communities and Social Inclusion National Criminal History Record Check, which will be current for the duration of that activity. Interstate placements require a National Police Certificate.

> Bachelor of Applied Science (Human Movement and Health Studies)
> Bachelor of Applied Science (Occupational Therapy)
> Bachelor of Clinical Exercise Physiology
> Bachelor of Health Science
> Bachelor of Podiatry
> Bachelor of Physiotherapy

Student registration

Under the Health Practitioner Regulation National Law (South Australia), all students enrolled in a program leading to professional registration must be registered with the relevant National Board. The registration process is undertaken by the Australian Health Practitioner Regulation Agency (AHPRA) with the University providing notification to AHPRA following a student’s enrolment in the program. No fee applies for student registration.

> Bachelor of Applied Science (Occupational Therapy)
> Bachelor of Podiatry
> Bachelor of Physiotherapy
About the Bachelor of Applied Science (Human Movement and Health Studies)

Overview

The Bachelor of Applied Science (Human Movement and Health Studies) offers students the chance to develop a broad understanding of the impact exercise and physical activity has on the biological, psychological and social parameters of human life across populations and environments. This knowledge is drawn from the areas of anatomy, physiology, exercise physiology, psychology, growth and development, motor learning and control, biomechanics, nutrition and health. Students learn communication skills to facilitate effective interaction with a range of clients and peers, undertake client screening, conduct laboratory and field testing, design and implement exercise and training programs using a variety of exercise modes, and appraise and interpret scientific research. Students can elect to align their studies with their career aspirations through streams in exercise and sport science, health and physical education, health promotion and outdoor education.

What will I study?

In the first year of study, students develop a solid foundation in human anatomy and physiology, the sociology of health and physical activity, growth and development across the lifespan, and effective groups and teams. Second year studies focus on the areas of motor learning, nutrition, exercise physiology and biomechanics and students begin to develop specialist knowledge through elective options. In the final year of study, students focus entirely on their chosen specialist field. Practical classes are held at University facilities, including specialised exercise science laboratories where students learn how to measure specific fitness determinants, prescribe exercise regimes and provide nutritional advice. To develop industry-relevant capabilities, students can choose to undertake professional practicum experience in workplaces such as health and fitness centres, health promotion agencies, elite sporting organisations, aged care facilities, schools, outdoor activity providers, or work with individual allied health professionals in the prescription of exercise.

While the program does not aim to make students better athletes, many of the courses provide an insight into the requirements for high-level performance.

Who will employ me?

Graduates may find employment in a range of positions, both within Australia and overseas. They may secure work in the sport, fitness, rehabilitation, health, education or recreation industries as exercise and sport scientists; outdoor education and recreation consultants; physical training officers; community health workers; sports coaches; sports nutrition advisers; or sports, recreation, health or retail representatives. There are also opportunities in the area of exercise prescription for chronic conditions and this program can prepare students for postgraduate training to work towards accreditation as an Accredited Exercise Physiologist.

Further study

Graduates who complete the required prerequisites may be eligible for graduate entry programs including physiotherapy, occupational therapy, clinical exercise science and education.

Key

- CE: City West Campus
- PT: Full-time program duration in years
- P: Alternative entry pathways available

Program schedule

FIRST YEAR

<table>
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<tr>
<th>First Semester (SP 1, 2 or 3)</th>
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<tbody>
<tr>
<td>Human Anatomy 100</td>
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<tr>
<td>Foundations in Human Movement, Exercise and Sports Science</td>
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<tr>
<td>Foundations of Health</td>
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<td>Human Physiology 100</td>
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<tr>
<td>Physiology Essentials 100</td>
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<tr>
<td>Second Semester (SP 4, 5 or 6)</td>
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<tr>
<td>Group Dynamics</td>
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<tr>
<td>Lifespan Growth and Motor Development</td>
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<tr>
<td>Introduction to Sociology of Health and Physical Activity</td>
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<tr>
<td>Stream/Optional Elective 1</td>
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SECOND YEAR

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<tr>
<th>First Semester (SP 1, 2 or 3)</th>
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<tbody>
<tr>
<td>Exercise Physiology 1</td>
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<tr>
<td>Human Nutrition</td>
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<tr>
<td>Motor Control and Learning</td>
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<tr>
<td>Stream/Optional Elective 2</td>
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<tr>
<td>Second Semester (SP 4, 5 or 6)</td>
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<tr>
<td>Introduction to Biomechanics</td>
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<td>Stream/Optional Elective 3</td>
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<td>Stream/Optional Elective 5</td>
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<td>Elective</td>
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THIRD YEAR

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<th>First Semester (SP 1, 2 or 3)</th>
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<td>Stream/Optional Elective 9</td>
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<td>Second Semester (SP 4, 5 or 6)</td>
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<td>Stream/Optional Elective 13</td>
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Human Movement graduate, Jarryd Wallace, is kicking career goals with the Adelaide Football Club. As a GPS Analyst, Jarryd tracks the physical demands of training and games on players using GPS devices. ‘We can measure the player’s work rate, as well as quantify the different elements of movement during training to ensure we are preparing them for maximum performance.’

Jarryd credits his early career success to his studies in human movement. ‘My degree allowed me to gain exposure and knowledge in the sports science field. While nothing can compare to being ‘on-the-job’, it put me in a position to meet people who had achieved in this area and create professional contacts.’

‘The beauty of this industry is that there’s so much room for growth and development, meaning the opportunities are endless. One of the best things about my job is that I am surrounded by colleagues who are the best in their field, and I have a chance to learn from them every day.’

**Jarryd Wallace**

GPS Analyst, Adelaide Football Club (Adelaide Crows)
Bachelor of
Applied Science (Occupational Therapy)

Key features
› Complete over 1000 hours of clinical placements in various settings.
› Study alongside other future health professionals in a multidisciplinary environment.

Overview
Occupational therapists play an important role in the health care industry, helping people of all ages achieve their goals, optimise their lifestyles and actively participate in society irrespective of personal and environmental limitations. Occupational therapists can assist people in managing physical constraints caused by injury or illness, as well as emotional, developmental, environmental, societal, age-related and psychological limitations, which are part of conditions like Autism or Alzheimer’s.

The Bachelor of Applied Science (Occupational Therapy) prepares students for dynamic careers across the diverse areas of occupational therapy practice. Students develop knowledge and skills in mental health, acute care, physical rehabilitation, community health, work rehabilitation, aged care and paediatrics. With a strong focus on patient outcomes, students advance their competency in the science behind occupational therapy as well as the communication and relationship skills essential for patient care.

A graduate entry program is available for graduates of other bachelor degrees who wish to enter the profession of occupational therapy. With the appropriate foundation in specific disciplines, graduates may apply for the Master of Occupational Therapy (Graduate Entry) program.

What will I study?
Early in the program, students cover the basic sciences that underpin the study and practice of occupational therapy including human anatomy, human physiology, human neurosciences, growth and lifespan development, psychology, occupational science and sociology. These form the basis for understanding the links between human occupations, health, development, illness and disability.

Students discover the various occupational therapy practice areas, develop an integrated knowledge of the types of conditions commonly seen, and explore occupational therapy theories and practice skills, with a focus on student participation. Students complete more than 1000 hours of clinical placement, with the final year of study providing an opportunity to consolidate and apply the knowledge and skills developed throughout the program during extended periods of clinical placement.

Who will employ me?
Occupational therapists often work as members of a wider team, working closely with doctors, nurses, physiotherapists, speech pathologists, social workers, psychologists, vocational counsellors, occupational health and safety officers and other health care providers.

Employed in a variety of settings locally, interstate and overseas, graduates may find work in hospitals, community mental health services, rehabilitation centres, special schools, aged care facilities, community services, home care programs, local council services, private practice or government departments.

Professional accreditation
This program is accredited by the Occupational Therapy Council (Australia & New Zealand) Ltd and the World Federation of Occupational Therapists.

Program schedule

First Year
First Semester (SP 1, 2 or 3)
Foundations of Health
Human Anatomy 100
Physiology Essentials 100
Introduction to Occupational Therapy Practice
Second Semester (SP 4, 5 or 6)
Lifespan Growth and Motor Development
Evidence Based Practice 1
Occupational Therapy Practice in Hospital Settings
Elective

Second Year
First Semester (SP 1, 2 or 3)
Evidence Based Practice 2
Introductory Psychology 100
Enabling Occupation through Environmental Adaptation
The Individual in Society 200
Second Semester (SP 4, 5 or 6)
Human Neuroscience 201
Occupational Therapy Group Work and Counselling
Occupational Therapy Practice and Mental Health
Occupational Therapy Practice in Occupational Rehabilitation

Third Year
First Semester (SP 1, 2 or 3)
Occupational Therapy Practice Education
Primary Health Care Approaches in Occupational Therapy
Advanced Occupational Therapy Practice and Neurological Conditions
Occupational Science
Second Semester (SP 4, 5 or 6)
Participatory Community Practice 301
Advanced Community Occupational Therapy Practice and Chronic Conditions Management
Evidence Based Practice 3

Fourth Year
First Semester (SP 1, 2 or 3)
Participatory Community Practice 400
Professional Portfolio 400
Occupational Therapy Field Practice 400
Second Semester (SP 4, 5 or 6)
Occupational Therapy Field Practice 401
Professional Portfolio 401
Bachelor of Clinical Exercise Physiology

Overview
Unique in South Australia, the Bachelor of Clinical Exercise Physiology provides students with the practical and theoretical knowledge needed to embark on an exciting and rewarding career as an Accredited Exercise Physiologist. As recognised allied health professionals, Accredited Exercise Physiologists are qualified in clinical exercise prescription and the delivery of exercise-based lifestyle and behaviour modification programs to prevent and treat diseases and injuries in patients of all ages. Graduates will have an in-depth understanding of how to prevent disease onset and provide treatment through exercise management for a range of cardiovascular, respiratory, metabolic, neurologic, musculoskeletal and cancer conditions.

This program offers students the opportunity to complete practical training with state-of-the-art equipment in exercise physiology, biomechanics, motor control and strength and conditioning laboratories. Students also complete over 500 hours of clinical exercise delivery in a range of settings, including at the University’s on-campus Exercise Physiology Clinic.

What will I study?
The Bachelor of Clinical Exercise Physiology incorporates theoretical, practical and clinical based learning experiences. Students complete introductory studies in human anatomy and physiology, biomechanics, motor learning and control, exercise and sports psychology, exercise programming and nutrition. Later in the program, when a solid grounding in exercise science theory has been established, students complete specialised training in pathophysiology, clinical assessment procedures, the interactions of exercise and pharmacology, and the application of exercise to the management of multiple medical conditions. Significant clinical training is undertaken in areas such as pathophysiology, clinical exercise assessment and prescription, and occupational rehabilitation.

Who will employ me?
Accredited Exercise Physiologists are peak professionals with highly specialised skills in the area of exercise and sports science. With an ageing population and increasing awareness around the benefits of exercise for a range of medical conditions, it is anticipated demand for exercise physiologists will continue to rise. Accredited Exercise Physiologists have a diverse range of skills as primary, secondary and tertiary health care providers and employment opportunities are varied. Graduates may be employed in public and private hospitals, general practices or private clinics, or in workplace and population health services. Opportunities also exist for graduates to pursue a career in exercise and sports science research.

Key features
› The only program of its type in South Australia.
› Complete over 500 hours of clinical exercise delivery in a range of settings, including the University’s on-campus Exercise Physiology Clinic.

Program schedule
FIRST YEAR
First Semester (SP 1, 2 or 3)
- Foundations in Human Movement, Exercise and Sports Science
- Human Physiology 100
- Human Anatomy 100
- Foundations of Health

Second Semester (SP 4, 5 or 6)
- Introduction to Sociology of Health and Physical Activity
- Human Physiology 101
- Evidence Based Practice 1

SECOND YEAR
First Semester (SP 1, 2 or 3)
- Motor Control and Learning
- Exercise Physiology 1
- Human Nutrition
- Resistance Training Principles and Practice

Second Semester (SP 4, 5 or 6)
- Introduction to Biomechanics
- Exercise Physiology 2
- Exercise Prescription
- Exercise and Sport Psychology

THIRD YEAR
First Semester (SP 1, 2 or 3)
- Evidence Based Practice 1
- Practice Education in Exercise Delivery
- Physical Rehabilitation

Second Semester (SP 4, 5 or 6)
- Applied Biomechanics
- Elective 1

Second Semester (SP 4, 5 or 6)
- Applied Exercise Physiology
- Human Movement Neuroscience
- Elective 2 & 3

FOURTH YEAR
First Semester (SP 1, 2 or 3)
- Clinical Studies for Exercise Physiology
- Clinical Basis of Chronic Disease Management
- Clinical Exercise Physiology

Second Semester (SP 4, 5 or 6)
- Exercise Physiology Studies for Occupational Evaluation and Rehabilitation
- Clinical Exercise Physiology Practicum 1, 2 & 3
Bachelor of Health Science

SATAC code: 414311
Program code: IBHL
ATAR (Feb 2014 cut-off): 75.40
UniSA preferred score: 80
TAFE minimum entry: DIP
Prerequisites: None
Assumed knowledge: None

International students CRICOS code: OSO783E
Program fees: A$24,000 per annum

Key features

› Specialise in a range of different areas from psychology to human resource management.
› Combine education with international travel and pursue overseas study opportunities.

Overview

The Bachelor of Health Science prepares students to make an innovative and constructive contribution to Australia’s changing health environment. The health care industry is huge and has a demand for people with a sound understanding of health and health care to fill a range of non-clinical roles. The program allows students to explore their interest in health care and develop the knowledge, skills and attitudes needed to work in areas such as health promotion, health planning, policy and administration, research, education and management. In an increasingly complex health and wellness system, dedicated people with specialised skills and in-depth industry knowledge are needed to plan, manage, coordinate and administer infrastructure and resources. Students establish a strong foundation in basic health science and health philosophies and can elect to specialise in areas relevant to their career ambitions. This can include administrative management, adult and community education, allied health, health promotion, human resource management, information technology, commerce, marketing, counselling studies and psychology.

What will I study?

Students develop knowledge in the biological, social and behavioural sciences, investigate the current health needs of society and explore the relationships between individuals and society that lead to population health patterns, including health inequities in Australia and other developed nations. Students will gain insight into the broad scope of the health industry, its partners and stakeholders and attain industry-relevant experience through project proposal development, field studies and a range of experiential opportunities. Students may also elect to pursue overseas study experiences.

Studying alongside students from the allied health areas of medical radiation science, occupational therapy, podiatry, physiotherapy, nutrition and exercise science, students develop an understanding of the role of these professions within the health industry and the overarching complexity of modern health systems.

Who will employ me?

There is growing demand for non-clinical health professionals who have an understanding of the breadth of the health industry, and an understanding of health beyond illness and disease. Graduates are skilled to work in the health and wellness industry, applying their integrated and multidisciplinary knowledge to a range of areas both within and outside of the health system. This includes health promotion, health policy, health research, health care management, human resource management, health information systems management, health education and counselling, community health care foundations, aged care in aged care, and health project management.

Graduates may find work as health researchers, clinical managers, community development officers, marketing associates, research assistants, project officers and policy analysts. Graduates will typically find employment in government, academia, industry, business and the community including hospitals, health care foundations, local government public health units, aged and disability care services. Opportunities also exist in states and territories.

Further study

Graduates who complete the required prerequisites may be eligible for graduate entry programs, including physiotherapy and occupational therapy.

Program schedule

FIRST YEAR
First Semester (SP 1, 2 or 3)
Human Anatomy 100
Human Nutrition
Exercise Physiology 1
Major/Minor Course 1
Second Semester (SP 4, 5 or 6)
Evidence Based Practice 1
Introduction to Sociology of Health and Physical Activity
Health Promotion (Theory and Concepts) Elective

SECOND YEAR
First Semester (SP 1, 2 or 3)
Evidence Based Practice 2
Human Nutrition
Exercise Physiology 1
Major/Minor Course 1
Second Semester (SP 4, 5 or 6)
Project Management for Health Promotion
Health Information Systems
Major/Minor Course 2
Major/Minor Course 3

THIRD YEAR
First Semester (SP 1, 2 or 3)
Nutrition Communication and Food Studies
Planning for Healthy Cities
Major/Minor Course 4
Major/Minor Course 5
Second Semester (SP 4, 5 or 6)
Health and Wellbeing Industry Placement
Major/Minor Course 6
Major/Minor Course 7
Major/Minor Course 8

Key

CE City East Campus 1 Full-time program duration in years
PT Part-time study available
EX External study available
PX Partial external study available
P Alternative entry pathways available
Bachelor of Nutrition and Food Sciences

Assumed knowledge:
TAFE minimum entry: 80

This unique program offers students the opportunity to elect one of two streams: nutrition and food science. The Bachelor of Nutrition and Food Sciences is designed to provide students with the practical and theoretical knowledge needed to work in the diverse health and food industry, developing innovative foods, promoting and managing diets and lifestyles for optimum health, and conducting research into the quality as determinants of human wellbeing. Students have access to state-of-the-art sensory laboratories are often responsible for monitoring food poisoning outbreaks or food spoilage. Local firms that employ UnisA Food Science graduates include Lion Nathan Australia Pty Ltd Brewing Company and Coopers Breweries; wineries including Orlando-Wyndham and Yalumba; National Foods, Dairy Farmers, Safcol, Balfours, Spring Gully, CopperPot, SA Water, Jurlique International, Mayne Pharma, CSIRO and Food Science Australia.

Professional recognition
The Australian Institute of Food Science and Technology recognises graduates for membership and graduates are eligible to apply to become a Registered Dietitian with the Dietitians Association of Australia (DAA). A graduate of this program is eligible to become a DAA member with dietetic qualifications, and to join the Accredited Practising Dietitian (APD) program.

Who will employ me?
The growing awareness of nutrition and food quality as determinants of human wellbeing assures graduates of employment opportunities where they can make positive contributions to public health. Nutrition graduates may be employed as research scientists in the CSIRO, universities or hospitals; as nutrition advisors in government offices for Public Health and Ageing or Human Services; as nutrition communicators or policy evaluators; or in roles providing nutrition support and advice to health foundations (e.g., the Cancer Council or Heart Foundation). In addition, graduates may be employed by the food industry for product formulation and nutrition advice, as well as marketing, product improvement and the preparation of health claims on functional products. Food Science graduates may be employed by food manufacturers and analytical laboratories, as well as in the public sector. Graduates who work in laboratories are often responsible for monitoring food quality. Other graduates may be employed to develop and maintain food safety plans, develop new foods or conduct investigations into food poisoning outbreaks or food spoilage. Local firms that employ UnisA Food Science graduates include Lion Nathan Australia Pty Ltd Brewing Company and Coopers Breweries; wineries including Orlando-Wyndham and Yalumba; National Foods, Dairy Farmers, Safcol, Balfours, Spring Gully, CopperPot, SA Water, Jurlique International, Mayne Pharma, CSIRO and Food Science Australia.

Overview
The Bachelor of Nutrition and Food Sciences is designed to provide students with the practical and theoretical knowledge needed to work in the diverse health and food industry, developing innovative foods, promoting and managing diets and lifestyles for optimum health, and conducting research into the quality as determinants of human wellbeing.

International students
CRICOS code: O36238C
Program fees: A$27,600 per annum

Key features
› Enjoy a dedicated learning environment incorporating a state-of-the-art sensory laboratory and attached kitchen.
› Graduates of the Bachelor of Nutrition and Food Sciences are eligible to apply for the Master of Dietetics.

What will I study?
This program is designed to produce graduates with a solid grounding in both nutrition and food science. The choice of which stream to follow is made at the end of the second year of the program, when students have explored the key elements of both areas. The first year of study develops knowledge in biology, chemistry and quantitative methods while introducing students to an evidence-based approach to learning and research. Students have access to state-of-the-art learning facilities, including an on-campus sensory laboratory and commercial kitchen.

The second year builds on this with studies in human nutrition to promote healthy eating habits, recommend dietary modifications, and help people understand food and health relationships.

The Master of Dietetics program establishes theoretical knowledge and practical skills in all aspects of human nutrition, and incorporates an evidence-based approach to learning and research. Students have access to state-of-the-art learning facilities, including an on-campus sensory laboratory and commercial kitchen. They also have access to fully-supervised clinical training placements in hospitals, public health and community settings.

The Master of Dietetics is currently provisionally accredited by the Dietitians Association of Australia (DAA). A graduate of this program is eligible to become a DAA member with dietetic qualifications, and to join the Accredited Practising Dietitian (APD) program.

Program schedule

FIRST YEAR
First Semester (SP 1, 2 or 3)
Chemistry in Life 100
Health and Society
Molecules to Tissues A
Statistics for Laboratory Sciences
Molecules to Tissues B
Health Promotion (Theory and Concepts)

SECOND YEAR
First Semester (SP 1, 2 or 3)
Microbiology
Biochemistry
Human Nutrition
Second Semester (SP 4, 5 or 6)
Food Composition and Functions
Food Microbiology 201
Lifespan Physiology and Biochemistry
Sensory and Consumer Evaluation of Foods

THIRD YEAR - FOOD SCIENCE STREAM
First Semester (SP 1, 2 or 3)
Food Quality and Regulation
Food Processing and Manufacturing
Product Development and Food Analysis
Elective 1
Second Semester (SP 4, 5 or 6)
Molecular Food Microbiology
Functional Foods, Nutraceuticals and Medicines
Capstone in Nutrition, Food Sciences
Elective 2

THIRD YEAR - NUTRITION STREAM
First Semester (SP 1, 2 or 3)
Nutrition Communication and Food Studies
Nutrition, Exercise and Weight Management
Elective 1
Second Semester (SP 4, 5 or 6)
Functional Foods, Nutraceuticals and Medicines
Elective 2
PLUS two courses (9 units) chosen from the following:
Sports Nutrition
Project Management for Health Promotion
Capstone in Nutrition, Food Sciences
Bachelor of Podiatry

Key features
- Learn under the guidance of registered practising podiatrists in the University’s on-campus Podiatry Clinic.
- Complete over 1000 hours of clinical placement.

Overview
Podiatry is concerned with diagnosing and treating disorders of the foot and lower leg. The Bachelor of Podiatry trains students for a professional career in podiatry and will enable them to work in private practice, hospitals or in community based services. With opportunities to participate in extensive clinical placements at the University-based Podiatry Clinic and within a variety of professional settings, students gain the valuable practical knowledge and skills required for modern podiatry practice.

What will I study?
The program provides education in basic physical and biological sciences; aspects of medicine and surgery relevant to diagnosing and treating foot and leg abnormalities; clinical pharmacology; a comprehensive range of the theoretical and practical aspects of podiatry and social sciences appropriate to health care personnel. Introductory clinical teaching is undertaken within a community clinic located on campus under the supervision and guidance of registered practising podiatrists. Students carry out podiatric assessment and treatment on members of the public in a range of clinical sessions, with the complexity of management increasing with each year of study. The clinic gives students a broad educational and practical basis for understanding the practice of podiatry in areas including general practice, biomechanics, podiatry surgery and paediatrics. The experience gained at the clinic is supplemented with exposure to learning and working in community based clinics and hospitals in the Adelaide metropolitan area and rural communities, including outreach clinics.

In addition, students undertake a range of community service activities involving the provision of screening, education and treatment services in rural and remote areas under the supervision of University staff. Students complete over 1000 hours of clinical experience during their program.

Who will employ me?
Podiatrists work in private practices, hospitals, community health centres and domiciliary care services. Graduates may initially work as assistants in private practices, often leading to the opening of their own private practice after a short period. After completing their undergraduate studies, podiatrists may have a particular interest in dealing with certain client groups, for example children, older people or sports people; working in areas such as occupational health or specialising in general medical conditions that result in problems of the feet and legs.

Professional accreditation
The program is accredited by the Podiatry Board of Australia and graduates are eligible for registration by the Podiatry Board of Australia.

Program schedule

**FIRST YEAR**
- First Semester (SP 1, 2 or 3)
  - Human Anatomy 100
  - Human Physiology 100
- Second Semester (SP 4, 5 or 6)
  - Human Anatomy 101 (Lower Limb)
  - Human Physiology 101

**SECOND YEAR**
- First Semester (SP 1, 2 or 3)
  - Podiatry Clinical Studies 200
  - Pharmacology and Pathophysiology 1
  - Evidence Based Practice 2
- Second Semester (SP 4, 5 or 6)
  - Pharmacology and Pathophysiology 2
  - Podiatry Clinical Studies 201
  - Podiatry Practice 201

**THIRD YEAR**
- First Semester (SP 1, 2 or 3)
  - Applied Podiatry Practice 300
  - Podiatry Clinical Studies 300
  - Evidence Based Practice 3
- Second Semester (SP 4, 5 or 6)
  - Communication in Podiatry 300
  - Podiatry Clinical Studies 301
  - Applied Podiatry Practice 301

**FOURTH YEAR**
- First Semester (SP 1, 2 or 3)
  - Clinical Biomechanics 400
  - Podiatry Clinical Studies 400
  - Podiatry Practice 400
- Second Semester (SP 4, 5 or 6)
  - Clinical Biomechanics 401
  - Podiatry Practice 401
  - Elective
John Arnold
PhD candidate, Exercise for Health and Human Performance Research Group, UniSA

After completing his Honours, Podiatry graduate, John Arnold, decided to pursue a higher degree by research and is now receiving a scholarship to complete a PhD. ‘Completing Honours opened up opportunities for me. I was able to explore a topic in detail and was fortunate enough to be introduced to established and enthusiastic researchers within the University.’

John’s research is focused on how the function of the musculoskeletal system is involved in the cause and treatment of injury and disease. ‘I enjoy the freedom to pursue my ideas. Knowing I’m making a contribution to advancing knowledge in my area is important, as hopefully in future we can develop better treatments for foot and ankle conditions.’

A career highlight to date, is the four weeks he spent overseas, visiting a world renowned orthopaedic and bioengineering research institute in Italy and attending two international conferences. ‘I was able to present some of my work and interact with researchers in my area. The experience was invaluable to my development as a researcher.’
Overview
Physiotherapy is concerned with assessing, treating and preventing human movement disorders; restoring normal function or minimising dysfunction in adults and children with physical impairment, preventing injuries and disability in the workplace, at home, or during recreational activities; and promoting community health for all age groups.

The Bachelor of Physiotherapy prepares students for a professional career in physiotherapy and enables them to enter professional practice in various fields including women's and children's health, sports, musculoskeletal, cardiorespiratory, neurological and geriatric physiotherapy. The program provides a balanced education in the related areas of medical science, humanities and physiotherapy practice and promotes evidence-based practice and clinical reasoning approaches.

A graduate entry program is available for graduates of other bachelor degrees who wish to enter the profession of physiotherapy. With the appropriate foundation in specific disciplines, graduates may apply for the Master of Physiotherapy (Graduate Entry) program.

What will I study?
The program is focused on biophysical science and professional studies. In the early years of the program, students study normal movement and the basic medical science courses of human anatomy and physiology to introduce them to the skills and knowledge they need to develop throughout the program. The remainder of the program deals with abnormal movement and the nature and application of physical modalities and interventions used in the prevention and treatment of disease and disability.

Students are trained not only as members of the health care team concerned with the physical and psychosocial rehabilitation of sick and disabled people, but also as first-contact practitioners concerned with prevention of disability and illness in the workplace, community and recreational pursuits.

This program requires participation in laboratory classes where manual skills and topics such as surface anatomy are presented. Students gain a range of professional practical experiences by undertaking clinical placements at the University-based Physiotherapy Clinic located at City East campus and within a variety of metropolitan, rural and regional health settings. Students are likely to spend at least one of their placements outside Adelaide in a country or interstate location and are also required to undertake placements outside of teaching weeks.

Physiotherapy is an active profession, so a good level of physical fitness and general health is essential. Students are required to work on floor mats with children, support physically dependent people as they learn to walk again, assist people to move after surgery, and stand for long periods of time while assessing and treating joint disorders.

Who will employ me?
Many graduates first gain experience in hospitals, as this allows them to acquire skills and experience in various fields of work in situations where advice and help is readily available. After this general experience most physiotherapists choose to practise in a specific area of interest. Physiotherapists may work in public and private hospitals, women's health services, private practice, community health centres, special centres for people with physical disabilities, day-care centres and nursing homes, in-home care services, sports centres and with sporting teams, schools and preschools, mental health services, factories, offices, and occupational health units.

Physiotherapists can find employment as part of a health care team or as first-contact practitioners who treat patients who have not been referred by a doctor. In addition, physiotherapists can work in research centres or be involved with research as part of their everyday work.

Professional accreditation
The program is accredited by the Australian Physiotherapy Council and satisfies the academic requirements for registration as a physiotherapist with the Physiotherapy Board of Australia. Successful completion of the program is accepted for membership of the Australian Physiotherapy Association.
Leigh Schneebichler
Physiotherapist and Owner, Physio Solutions SA

Physiotherapy graduate, Leigh Schneebichler (right), began working in private physiotherapy practice after he graduated in 2006, before deciding to start his own business in 2011. 'I was keen for the challenge of opening my own business and being self-employed. Working in a private practice allows me to have a positive influence on the local community, help patients achieve specific goals and positively affect people’s quality of life.'

Leigh diversified his experience in his first few years of practice, getting involved with pilates, hydrotherapy classes, nursing home patients and the Glenelg Football Club, in addition to musculoskeletal work. 'It’s a great career. You have the ability to continually progress and evolve with the profession. Working in conjunction with orthopaedic surgeons and local GPs has been a highlight, and in the future, I’d love to work with a professional sporting team.'

Leigh has recently expanded his practice, taking on fellow UniSA graduate Gabe Phillips (left), who completed the Bachelor of Applied Science (Human Movement and Health Studies) and the Master of Physiotherapy (Graduate Entry).
Nursing and Midwifery
Preparationg the next generation of nurses and midwives to meet the health care needs of the 21st century.

Nurses and midwives play a vital role in health care, with our graduates enjoying excellent career prospects not only in Australia but around the world.

To prepare you for what’s beyond the classroom, you’ll be immersed in an engaging and highly supportive learning environment. You’ll develop your clinical skills in state-of-the-art laboratories that replicate real world hospital settings and enjoy access to quality placements in clinical and non-clinical locations. You’ll study under the guidance of clinical nurses and midwives, learning from those at the forefront of their profession.

Our teaching staff are passionate about delivering an authentic and rewarding learning experience to ensure you’re ready to make a positive contribution to health care from the moment you graduate, and well into the future.

Honours
High achieving students may be accepted into an Honours program, and depending on results, may be eligible to proceed to postgraduate research degree study.

National Criminal History Record Check
All students in the Division of Health Sciences who, as part of their program, undertake activities where interaction with patients/the public is required, such as in field or clinical placements/visits and in University clinics and gyms, must demonstrate that they have a Department for Communities and Social Inclusion National Criminal History Record Check, which will be current for the duration of that activity. Interstate placements require a National Police Certificate.

Student registration
Under the Health Practitioner Regulation National Law (South Australia), all students enrolled in a program leading to professional registration must be registered with the relevant National Board. The registration process is undertaken by the Australian Health Practitioner Regulation Agency (AHPRA) with the University providing notification to AHPRA following a student’s enrolment in the program. No fee applies for student registration.

> Bachelor of Nursing (Pre-registration)
> Bachelor of Midwifery
Bachelor of Nursing (Pre-registration)

Key features

› Learn under the guidance of Registered Nurses.
› Experience simulated learning in state-of-the-art teaching facilities that replicate hospital settings.

Overview

The Bachelor of Nursing provides students with extensive clinical practice opportunities in a variety of health care settings and assists them in engaging with contemporary nursing theory, research and evidence-based practice. Studying under the guidance of experienced clinical nurses, students progressively build the knowledge and skills essential to the development of professional nursing capabilities, with the curriculum based on competencies defined by the University, industry and the nursing profession. Nurses play a vital role in health care, making positive contributions to society not only through patient care, but through health promotion, education, administration and research. The program prepares nurses to meet health care delivery requirements for the 21st century and respond to Australian and international health care priorities and trends. The Bachelor of Nursing is offered internally at City East, Whyalla and Mount Gambier.

What will I study?

The program is centred on four integrating themes: safety and quality, population health, cultural competency and evidence-based practice. These themes underpin the curriculum and represent core approaches that inform contemporary nursing practice. Students develop an understanding of the bio-psychosocial determinants of health and illness and integrate the concept of client centred care, as it is applied to the role of the Registered Nurse, across the areas of child, adolescent, adult and older adult care. Students also develop skills in communication, problem solving, decision making and client management.

State-of-the-art teaching facilities, incorporating practice-based laboratories, enable students to undertake a range of practical learning and simulated learning activities to acquire the knowledge, skills and attitudes needed for professional nursing practice. Students then have the opportunity to apply their skills through clinical placements in metropolitan and rural health care settings from their first year of study. Clinical placements are a compulsory part of this program and must be completed on a full-time basis. Students will be required to work for the equivalent of five days a week over a seven day week, excluding public holidays. The rosters will be set by the clinical venues which may allocate students to shifts across 24 hours, including morning, afternoon and night shifts. Clinical placements are undertaken in metropolitan and rural South Australia and are unpaid.

Who will employ me?

Nurses are employed in diverse settings, including community support centres, hospitals, aged and rehabilitative care facilities, schools and the homes of individuals. Nurses may also find employment in drug and alcohol treatment centres and community health and welfare organisations such as Asthma SA and the Royal District Nursing Service (RDNS). Currently there is employment demand for Registered Nurses in Australia. This is happening against a backdrop of Australia’s changing demography and health profile: the ageing population and increased burden of chronic illness all creating an even greater need for nurses. These changes in the environment explain the number and variety of opportunities available to graduates. A future in nursing opens the door to many career paths and the possibility to work all over the world.

Professional accreditation

Graduates satisfy the academic requirements for registration with the Nursing and Midwifery Board of Australia. The requirements for registration are determined by the Board.

TAFE/RTO applicants

The minimum entry requirement for applicants seeking entry into this program from TAFE or another registered training organisation (RTO) is a Diploma-level qualification. Alternatively, the minimum entry requirement for applicants with a current Enrolled Nurse Practising Certificate is a Certificate IV-level qualification.

Program schedule

FIRST YEAR - Knowledge, skills and attitudes for understanding
First Semester (SP 1, 2 or 3)
Being a Health Professional
Human Body 1
Global and National Health
Second Semester (SP 4, 5 or 6)
Human Body 2
Population Health
Mental Health
Experiential Learning Activity: Foundation Practicum 1

SECOND YEAR - Knowledge, skills and attitudes for intervention
First Semester (SP 1, 2 or 3)
Health of Older Adults
Scientific Basis of Clinical Practice
Experiential Learning Activity: Older Adults Practicum 2
Second Semester (SP 4, 5 or 6)
Health of Adults
Health of Infants, Children and Young People
Experiential Learning Activity: Acute Care Practicum 3

THIRD YEAR - Knowledge, skills and attitudes for professional practice
First Semester (SP 1, 2 or 3)
Foundations of Research
Nursing Contexts of Practice
Experiential Learning Activity: Extension to Practice Practicum 4
Second Semester (SP 4, 5 or 6)
Becoming a Registered Nurse
Experiential Learning Activity: Transition to Practice Practicum 5

Nursing Project

International students

CRICOS code: 024218F (City East)
Program fees: AU$25,900 per annum
Martins Strikis
Registered Nurse, Mount Gambier Community Mental Health

Nursing graduate, Martins Strikis, is passionate about rural health, with his desire to work in remote areas founded in his experiences at UniSA. ‘My involvement in the rural health club at university provided me with a different view into the health care system and offered great networking opportunities around Australia.’

As soon as he graduated, Martins headed to the Eyre Peninsula to begin his career at Wudinna Hospital. ‘Access to appropriate care in rural communities isn’t always close, and resources can be slim, so working in these areas has given me a greater sense of responsibility and accountability. I’ve learnt a vast array of general assessment skills to deliver great health care when a doctor may not be in the area.’

Martins has now commenced a Mental Health Nurse development position in Mount Gambier, and is pursuing postgraduate studies in Mental Health Nursing at UniSA after being awarded the Country Health SA Professor Margaret Tobin Mental Health Scholarship – the highlight of his career to date.
Bachelor of Midwifery

SATAC code: 414241 (City East)  
Program code: IBMW  
ATAR (Feb 2014 cut-off): 93.05 (City East) 94.95 (external)  
UniSA preferred score (guaranteed entry): 94.95 (external)  
TAFE minimum entry: DIP  
Prerequisites: None  
Assumed knowledge: None  
International students  
CRICOS code: O36241G  
Program fees: A$25,900 per annum

Key features

› Work closely with a practising midwife to follow the care of at least 20 women.
› Students are directly and actively involved in 40 normal births.

Overview

Midwives are one of the primary maternity care providers in Australia. They provide holistic care, supervision and advice to women pre-conception, during pregnancy, labour, birth and postnatally. They play an important role in health counselling and education for women, their families and the community through the provision of antenatal, preparation for parenthood, family planning and child health education. As part of their role, midwives undertake assessments and screening of pregnant women, demonstrate techniques for infant care, identify and refer mental health issues such as postnatal depression, provide appropriate support and assist with access to services including parenting and women’s health. The Bachelor of Midwifery builds students’ midwifery knowledge and practice based on the Australian Nursing and Midwifery Council National Standards for the Midwife, which promote the development of cultural sensitivity within the health care system, and develop competency in information literacy required for midwifery practice and lifelong learning.

What will I study?

Students explore and reflect on the political, socio-cultural, economic and technological influences on midwifery practice, as well as the legal and ethical responsibilities of midwives. They develop an understanding of the relationship between social and biological aspects of health and illness, as well as develop a philosophy of women centred care, to provide culturally sensitive and holistic care for women and their families. The program has a strong focus on contemporary theory, together with practical experience. Students undertake simulation-based learning in on-campus laboratories designed to replicate hospital and community settings, including fully-equipped midwifery and paediatric units. Students begin to apply the knowledge and skills attained in the program through clinical placements in metropolitan and rural health care settings from their first year of study. There are also limited opportunities for students to undertake international placements.

The clinical requirements for the program are extensive, approximately 28 weeks, and require students to participate in a number of births and other activities, often out of hours, with access to private transport an advantage. Students gain valuable experience through continuity of care experiences (COCE), where they work closely with a practising midwife to follow the care of at least 20 women, and are directly and actively involved in 40 normal births. Clinical placements must be completed on a full-time basis. Both clinical placements and COCE are undertaken in South Australia. Shift work will also be required. External students need to attend on-campus workshops for several days each study period.

Who will employ me?

Employment rates for midwives are high, with most students finding employment soon after completion of the program. Graduates can expect to be employed in a range of midwifery practice settings across urban, rural and remote locations, from public and private hospitals to community settings. Graduates normally undertake the Transition to Practice Program for Midwifery graduates with a participating employer.

Professional accreditation

Graduates satisfy the academic requirements for registration with the Nursing and Midwifery Board of Australia. The requirements for registration are determined by the Board.

Program schedule

FIRST YEAR
First Semester (SP 1, 2 or 3)
- Foundations of Midwifery
- Normal Pregnancy and Childbirth
Second Semester (SP 4, 5 or 6)
- Summer Term (SP 7)
- Experiential Learning Activity: Midwifery Neonatal Development Practicum 3
- Experiential Learning Activity: Midwifery Practice Development Practicum 4
- Experiential Learning Activity: Midwifery Project

SECOND YEAR
First Semester (SP 1, 2 or 3)
- Physiological Adaptations in Pregnancy
- Perinatal Mental Health
Second Semester (SP 4, 5 or 6)
- Summer Term (SP 7)
- Experiential Learning Activity: Midwifery Practice Development Practicum 5
- Experiential Learning Activity: Midwifery Transition Practicum 6

THIRD YEAR
First Semester (SP 1, 2 or 3)
- Foundations of Research
- Special Care for the Neonate
Second Semester (SP 4, 5 or 6)
- Summer Term (SP 7)
- Becoming a Midwife
- Experiential Learning Activity: Midwifery Transition Practicum 6

Key

CE = City East Campus  
PT = Full-time program duration in years  
EX = External study available  
PX = Partial external study available  
EX = Alternative entry pathways available
Kate Taylor
Registered Midwife, Lyell McEwin Hospital and Director, The 2h Project

Midwifery graduate, Kate Taylor, was inspired to study after visiting Cambodia. ‘Hearing a young woman recall saying goodbye to her mother before she passed away during childbirth, led me to enrol in Midwifery. Through her tears she told me she would never forget her mum, that she was now pregnant herself and scared of what lay ahead.’ In that moment, Kate decided someone needed to help the disadvantaged in Cambodia, and that ‘someone’ should be her. ‘I thought, I could go to university, get qualified and come back to help them!’ And she did.

In 2006, Kate established not-for-profit organisation, The 2h Project, to help reduce the maternal and neonatal mortality and morbidity rates in Cambodia. The program has educated over 3,000 birth attendants, servicing 4.8 million people. ‘I’ve seen the difference simple acts of kindness can make. And the miracle of birth, well that’s another story!’

Kate’s equally passionate about her work as a Registered Midwife in the Birthing and Assessment Unit at the Lyell McEwin Hospital, and her role as Clinical Facilitator teaching UniSA’s future midwives.
Pharmacy and Medical Sciences

Delivering a diverse learning experience to ensure our graduates are able to make a real difference to the health of the community.

Governments and health organisations across the globe expect areas such as medical science, diagnostics, immunology and genetics to grow as the fight against illness and disease continues. Our internationally recognised teaching and research teams are at the forefront of their profession, dedicated to ensuring you’re prepared for the health care challenges ahead.

We work alongside diagnostic laboratories, medical research institutes, the biotechnology and drug industry and public health departments to develop future generations of medical scientists, diagnostic laboratory scientists, medical researchers and pharmacists.

As one of the four leading Australian Universities for pharmacy, we are part of the National Alliance for Pharmacy Education (NAPE) which aims to improve patient outcomes through the ongoing advancement of the profession and cutting-edge research.

Double degree

Students who enter into either the Bachelor of Pharmaceutical Science or the Bachelor of Pharmacy degree may be eligible to enter the double degree, Bachelor of Pharmaceutical Science/Bachelor of Pharmacy, pairing a solid grounding in pharmaceuticals with registration as a pharmacist. Eligibility will be dependent on academic performance following completion of the first two years of study in either program.

Honours

High achieving students may be accepted into an Honours program/stream, and depending on results, may be eligible to proceed to postgraduate research degree study.

National Criminal History Record Check

All students in the Division of Health Sciences who, as part of their program, undertake activities where interaction with patients/the public is required, such as in field or clinical placements/visits and in University clinics and gyms, must demonstrate that they have a Department for Communities and Social Inclusion National Criminal History Record Check, which will be current for the duration of that activity. Interstate placements require a National Police Certificate.

Student registration

Under the Health Practitioner Regulation National Law (South Australia), all students enrolled in a program leading to professional registration must be registered with the relevant National Board. The registration process is undertaken by the Australian Health Practitioner Regulation Agency (AHPRA) with the University providing notification to AHPRA following a student’s enrolment in the program.

No fee applies for student registration.
Bachelor of Laboratory Medicine

SATAC code: 414011
Program code: 1BBL
ATAR (Feb 2014 cut-off): 79.85
UniSA preferred score (guaranteed entry): 80
Prerequisites: SACE Stage 2 Biology, OR SACE Stage 2 Chemistry, OR SACE Stage 2 Physics
Assumed knowledge: None

International students
CRICOS code: O23885A
Program fees: A$28,500 per annum

Key features
- The only program of its type in South Australia to be fully accredited by the Australian Institute of Medical Scientists.
- Gain experience in the operations and functions of diagnostic pathology and biomedical research laboratories through a full year of professional practice.

Overview
The Bachelor of Laboratory Medicine is the only program of its type in South Australia to be fully accredited by the Australian Institute of Medical Scientists. This unique program provides students with the knowledge and skills needed to pursue a rewarding career as an Accredited Medical Scientist in all areas of pathology, where their work will have a vital bearing on the welfare of patients. Working in various settings, such as hospitals and private pathology laboratories, it is the role of the Accredited Medical Scientist to support clinicians in the diagnosis, management and treatment of disease, to conduct research into the causes and cures for disease, and to develop improved tests for disease detection. As around 70 per cent of clinical decisions are based on the information provided by medical scientists, graduates are integral members of the health care team.

The program prepares students for the diverse areas of practice, offering the chance to establish a strong working knowledge of the numerous specialisation areas that underpin modern medical practice, including biochemistry, microbiology, immunology, molecular pathology, haematology and histopathology. Students also have the unique opportunity to undertake a full year of professional practice in a clinical setting to gain industry-relevant experience in the operations and functions of diagnostic pathology and biomedical research laboratories.

What will I study?
In the first two years of study, students cover the natural and biomedical sciences with initial studies into the pathological fields. The third and fourth years serve to consolidate and strengthen their knowledge through instruction and practical experience in the major clinical disciplines in pathology. This takes place in modern, purpose-built facilities on campus and in the workplace as part of the year-long professional practice component, taken in two semester length blocks.

Students learn the theory and develop the skills required to perform a range of diagnostic tests including cross-matching for blood transfusions, identifying the organisms that cause infections and food poisoning, screening for cancer cells and detecting genes responsible for disease conditions. Students also learn how to examine blood for any changes in its composition or function, and monitor levels of blood chemicals including sugar, electrolytes, pH, metabolites, toxins, drugs, hormones and proteins.

Who will employ me?
Graduates have excellent long-term career prospects in disease diagnostics, management, research, education and specialised laboratory work. They may find employment in diagnostic pathology, research laboratories, forensic pathology, public health departments, health management, universities and other educational institutions, veterinary medicine, reference laboratories, product manufacturing and the pharmaceutical industry. Graduates may also pursue careers interstate or overseas.

Major local employers include SA Pathology (IMVS, Women's and Children's Hospital, Flinders Medical Centre, The Queen Elizabeth Hospital), Healthscope Pathology, Clinpah, Adelaide Pathology Partners (APP) and Abbott Pathology.

Professional accreditation
The program is fully accredited by the Australian Institute of Medical Scientists (AIMS), and graduates are entitled to Graduate Membership of the Australian Institute of Medical Scientists. Graduates are also eligible for membership of the Australian Society for Microbiology (ASM) and the Australasian Association of Clinical Biochemists (AACC).

Program schedule

FIRST YEAR
First Semester (SP 1, 2 or 3)
Chemistry 100
Mathematics for Laboratory Sciences
Health and Society

Second Semester (SP 4, 5 or 6)
Chemistry 101
Molecules to Tissues B
Statistics for Laboratory Sciences
Professional Issues in Laboratory Medicine

SECOND YEAR
First Semester (SP 1, 2 or 3)
Biochemistry
Physiology
Histology
Microbiology
Second Semester (SP 4, 5 or 6)
Immunology
Molecular Genetics
Pathophysiology
Essential Haematology

THIRD YEAR
First Semester (SP 1, 2 or 3)
Infectious Diseases
Histotechnolgy
Transfusion and Haemostasis
Second Semester (SP 4, 5 or 6)
Clinical Practice A & B

FOURTH YEAR
First Semester (SP 1, 2 or 3)
Advanced Practice A & B
Second Semester (SP 4, 5 or 6)
Specialised Microbiology
Clinical Biochemistry
Histopathology and Cytopathology
Advanced Haematology

Key
CE City East Campus
PT Full-time program duration in years
EX External study available
PX Partial external study available
P Alternative entry pathways available

26
Bachelor of Pharmaceutical Science

Overview
The pharmaceutical industry is rapidly expanding at the national and international level, with the broadening job market requiring graduates with a strong skill set in the pharmaceutical sciences. The scientific disciplines that underpin the discovery, development, formulation, approval, evaluation, marketing and use of medicines form the basis of the Bachelor of Pharmaceutical Science. Graduates are well equipped to enter exciting roles in the pharmaceutical industry in diverse areas like drug discovery, drug development, clinical trials, manufacturing and production, sales and marketing, as well as management. The program may also lead on to the Bachelor of Pharmaceutical Science/Bachelor of Pharmacy double degree, which pairs a solid grounding in pharmaceuticals with registration as a Pharmacist.

What will I study?
The first year of the program provides a foundation in the basic sciences and places a strong emphasis on career development, which is continued in subsequent years. Second and third year studies focus on pharmaceutical sciences in relation to the formulation and manufacture of pharmaceuticals, relevant biological sciences including physiology and pharmacology, and the processes of drug discovery, development and eventual commercialisation. The program uniquely emphasises the development and commercialisation of a range of pharmaceutical products such as injections, tablets, creams and ointments. Students are able to choose electives allowing them to gain specialist knowledge leading to specific career paths such as research and development (including drug discovery), manufacturing and pharmaceutical chemistry (including quality control), drug development (including clinical trials), and professional or business roles (including sales, marketing, legal, regulatory and drug information). Students develop their communication skills and capacity to liaise with industry through the ‘Pharmaceutical Industry Experience’ which includes the completion of an industry project or placement within their area of interest. Throughout the program, there is an emphasis on the development of research skills, including basic laboratory techniques, experimental design, data interpretation and literature retrieval. This requires students with initiative, good problem-solving skills and an analytical mind.

Who will employ me?
Graduates will have the skills to work in a range of areas within the pharmaceutical industry, including drug discovery, formulation development and evaluation (pharmaceutics), quality control, clinical trials, manufacturing and sales. With a broad understanding of how medicines can be used to improve the quality of human and animal life, graduates are also equipped with skills to take on professional roles in many areas. These include the marketing and sales of medicines for human and veterinary use, the evaluation of medicines by government regulatory agencies, the identification and measurement of drugs by analytical laboratories, the conduct of clinical trials to test the efficacy of medicines in patients, and the interrogation of medicine usage and health outcome income to best inform health expenditure. There is a shortage of pharmaceutical scientists both nationally and internationally, with employment available in a number of areas including hospitals, pharmaceutical companies, contract research organisations, regulatory agencies, and a growing number of research areas covering the use of medicines.

Professional recognition
Graduates may apply for individual registration with the Royal Australian Chemical Institute (RACI) and other relevant professional bodies.

Key features
› Over 40 years’ experience in pharmacy education.
› Students may be eligible to enter the double degree Bachelor of Pharmaceutical Science/Bachelor of Pharmacy.

Program schedule

FIRST YEAR
First Semester (SP 1, 2 or 3)
Chemistry 100
Molecules to Tissues A
Health and Society
Marketing Principles: Trading and Exchange

Second Semester (SP 4, 5 or 6)
Chemistry 101
Molecules to Tissues B
Pharmaceutical Industry
Quantitative Methods in Health

SECOND YEAR
First Semester (SP 1, 2 or 3)
Dosage Form Design 1
Physiology
Drug Discovery
Stream Elective 1

Second Semester (SP 4, 5 or 6)
Dosage Form Design 2
Pharmacokinetics and Biopharmaceutics P 201
Drug Development
Elective

THIRD YEAR
First Semester (SP 1, 2 or 3)
Dosage Form Design 3
Pharmacology 300
Pharmaceutical Commercialisation
Stream Elective 2

Second Semester (SP 4, 5 or 6)
Dosage Form Design 4
Pharmacology 301
Pharmaceutical Industry Experience
Stream Elective 3

SATAC code: 414331
Program code: IBPA
ATAR (Feb 2014 cut-off): 74.90
UniSA preferred score (guaranteed entry): 80
TAFE minimum entry: DIP
Prerequisites: SACE Stage 2 Biology, OR SACE Stage 2 Chemistry, OR SACE Stage 2 Physics
Assumed knowledge: None

International students
CRICOS code: 060209G
Program fees: A$27,600 per annum

Key
CE City East Campus
PT Full-time program duration in years
EX External study available
PX Partial external study available
P Alternative entry pathways available
Bachelor of Pharmacy

Overview

The University of South Australia has over 40 years’ experience teaching pharmacy and is one of only four universities in Australia to be a member of the prestigious National Alliance for Pharmacy Education. Pharmacy as a profession is concerned with providing primary health care; providing drug information and promoting the quality use of medicines by consumers; reviewing medication regimens; manufacturing and dispensing drugs; ordering, storing and safeguarding drugs; controlling and supervising the distribution of drugs; and undertaking research in selected settings.

The Bachelor of Pharmacy prepares students for a professional career in community, hospital or industrial pharmacy and allied industries. Students undertake broad training in physical and biological sciences; knowledge of drugs and their effects, and the application of this knowledge to individuals; the ability to provide advice and pharmacy care to consumers; and a scientific approach that will permit critical appraisal of developments in pharmaceutical sciences. In an evolving health system subject to rapidly accelerating demands, pharmacists are embracing new roles and should be prepared to undertake continuing development of their professional skills.

What will I study?

The program places a strong emphasis on the development of sound therapeutic knowledge and good communication skills. In addition to the coursework components of the program, students also undertake a number of compulsory experiential placements in community and hospital pharmacies during their studies.

The first two years of the program provide a comprehensive coverage of biological, chemical and pharmaceutical sciences in addition to developing the skills needed for ethical pharmacy practice in a changing world. Within these two years, students also focus on the study of common disease states and the drugs to treat them.

Key features

- Students may be eligible to enter the double degree Bachelor of Pharmaceutical Science/Bachelor of Pharmacy.
- A member of the prestigious National Alliance for Pharmacy Education.

Program accreditation

The program is accredited with the Australian Pharmacy Council. Successful completion of the program satisfies the academic requirements for registration as a pharmacist with the Pharmacy Board of Australia. Eligibility for registration is determined by the Pharmacy Board of Australia and includes a suitably recognised and appropriate period of supervised training.

Who will employ me?

Pharmacists can pursue professional careers in a variety of settings. With employment available locally and internationally, in settings such as community practice, hospital practice, and pharmaceutical development and research, they have a choice of exciting and diverse work and lifestyle opportunities.

In community and hospital settings, pharmacists prepare, supply and monitor medicines and their use. They also provide drug information and advice on use of medicines to consumers and other health professionals, and may have the opportunity to participate in clinical research. Some pharmacists in the community also provide these services as private consultants. In industry, pharmacists are involved in the development, testing, manufacture, evaluation and quality control of drugs. Pharmacists are also employed by regulatory authorities and in academia.

Program schedule

FIRST YEAR
First Semester (SP 1, 2 or 3)
- Chemistry 100
- Human Physiology 100
- Health and Society
- Pharmacy Practice 1A
Second Semester (SP 4, 5 or 6)
- Chemistry 101
- Human Physiology 101
- Quantitative Methods in Health
- Pharmacy Practice 1B

SECOND YEAR
First Semester (SP 1, 2 or 3)
- Pharmacology and Pathophysiology 1
- Pharmacokinetics and Biopharmaceutics P 201
Second Semester (SP 4, 5 or 6)
- Pharmacology and Pathophysiology 2
- Dosage Form Design 2
- Pharmacy Practice 2

THIRD YEAR
First Semester (SP 1, 2 or 3)
- Pharmacotherapeutics Practice 1A
- Pharmacotherapeutics Theory 1
- Dosage Form Design 3
Second Semester (SP 4, 5 or 6)
- Pharmacotherapeutics Practice 1B
- Pharmacotherapeutics Theory 2
- Dosage Form Design 4
- Elective

FOURTH YEAR
First Semester (SP 1, 2 or 3)
- Pharmacy Practice 3A
- Advanced Therapeutics
- Professional Placement
Second Semester (SP 4, 5 or 6)
- Pharmacy Practice 3B
- Nutrition and Therapeutics
- Issues in Contemporary Pharmacy Practice
- Pharmacy Management Essentials
Pharmacy graduate, Jess Dawson, loves the challenge of hospital pharmacy. ‘As an Intern Pharmacist at the Royal Adelaide Hospital, every day is different. I get to work in a team with other health professionals to improve health outcomes for patients. I work in medicine information answering questions from doctors, nurses and patients, and in pharmacy production making up medication. There’s so much variety.’

Jess chose to study pharmacy because she enjoyed chemistry and wanted to work with people. ‘It was the best decision I’ve made. The degree offers so many opportunities. I got involved with the Pharmacy Students Association, and had the chance to do a rural placement and summer research scholarship.’

‘During the fourth year of my degree I entered a national competition with friends. We designed services that community pharmacists could offer patients living with cancer, presented our plan at a pharmacy conference in Canberra, and won first place. It was one of the highlights of my degree.’
Overview
The Bachelor of Medical Science is a flexible program that exposes students to the broad range of disciplines central to understanding human health and disease. Students have the chance to explore the diverse range of career options available in this exciting and rapidly growing field, and develop the skills to support a range of alternative graduate destinations. They also have the unique opportunity to participate in exciting research projects within the University of South Australia’s Sansom Institute for Health Research. The program also allows students to access a wider range of medical science courses, including real-life exposure to current medical research, through a collaborative teaching program with the Australian National University (ANU).

What will I study?
In the first year of study, students are introduced to the basic sciences to develop their understanding of the human body and the areas of science that influence medicine in the broadest context. During the second year, students continue to build their knowledge in the essential scientific disciplines and undertake elective courses in areas such as physiology, anatomy, molecular biology, microbiology, immunology, human nutrition, genetics and neuroscience.

In the final year, students are provided with further choices in areas such as pharmacology (how medicines work) and toxicology (how medicines and other chemicals can damage humans and the environment), cancer biology, reproductive and developmental physiology and advanced molecular methods used in forensic science and biotechnology. They then have the opportunity to apply this knowledge through the completion of a project in a research laboratory.

To provide the necessary analytical and problem solving skills for a future career in medical science, the program emphasises the development of research skills, such as basic laboratory techniques, experimental design, data interpretation, critical thinking and literature evaluation. The ability to work collaboratively, with minimal supervision and with a high degree of accuracy is essential, as is the understanding of an ethical approach to medical research and intellectual property management.

Who will employ me?
Graduates may find employment in a range of positions, both within Australia and overseas. Graduates may be employed in areas such as medical research, the biotechnology industry, forensic science, medical informatics, medical sales and marketing and medical education roles. The program also opens up a wide range of postgraduate opportunities in areas such as medicine, physiotherapy, occupational therapy, dietetics, senior school education and marketing.

Link with ANU
The degree provides a rare pathway for students to study at two different universities, the Australian National University (ANU) and UniSA. In addition, each year ANU will set aside up to five places in its graduate entry medicine (MBBS) program for graduates of the joint University of South Australia/Australian National University Bachelor of Medical Science program. Students must satisfy the standard admission requirements of the ANU MBBS program. These include special consideration for students with a rural and/or indigenous background.
Courtney Moore

Student, Bachelor of Medical Science

Medical Science student, Courtney Moore always loved science. ‘Biology and chemistry were my favourite subjects. I was always fascinated with how the human body works, so when I was deciding what to study at university, medical science was the perfect fit.’

During her second year of study, Courtney had the chance to study at the Australian National University (ANU) in Canberra as part of the joint UniSA/ANU Medical Science program. ‘It was an amazing opportunity to complete a year of study at ANU. I lived on campus right across the road from the science buildings. It was challenging, and I was put through my paces, but I enjoyed every minute of it.’

‘My main career aspiration is to love my job. I’ve been thinking about pursuing Medicine at ANU, or completing my Honours. I’d love to travel overseas. At the moment I’m still having fun learning about the different disciplines in medical science. I’m confident I’ll find my niche.’
Medical Radiation Science

Preparing the next generation of medical radiation professionals to be at the forefront of their profession.

As Australia’s population ages, so too does demand for medical radiation professionals. Offering highly specialised training in medical imaging, nuclear medicine and radiation therapy, our graduates not only play a vital role in the patient journey, but the evolution of clinical practice through advancements in technology.

The academic demands of the medical radiation sciences are balanced by our supportive study environment. Learning outcomes are enhanced by state-of-the-art training facilities, such as our Virtual Environment Radiotherapy Training (VERT) suite and on-campus x-ray suites, as well as a comprehensive clinical practice program completed under the guidance of practising clinicians, building confidence in diagnosis, treatment and patient care.

With a qualification recognised around the world, medical radiation delivers a rewarding career that offers the best of both worlds: compassion and innovation, for better health.

Honours

High achieving students may be accepted into an Honours stream, and depending on results, may be eligible to proceed to postgraduate research degree study.

National Criminal History Record Check

All students in the Division of Health Sciences who, as part of their program, undertake activities where interaction with patients/the public is required, such as in field or clinical placements/visits and in University clinics and gyms, must demonstrate that they have a Department for Communities and Social Inclusion National Criminal History Record Check, which will be current for the duration of that activity. Interstate placements require a National Police Certificate.

> Bachelor of Medical Radiation Science (Medical Imaging)
> Bachelor of Medical Radiation Science (Nuclear Medicine)
> Bachelor of Medical Radiation Science (Radiation Therapy)

Student registration

Under the Health Practitioner Regulation National Law (South Australia), all students enrolled in a program leading to professional registration must be registered with the relevant National Board. The registration process is undertaken by the Australian Health Practitioner Regulation Agency (AHPRA) with the University providing notification to AHPRA following a student’s enrolment in the program. No fee applies for student registration.

> Bachelor of Medical Radiation Science (Medical Imaging)
> Bachelor of Medical Radiation Science (Nuclear Medicine)
> Bachelor of Medical Radiation Science (Radiation Therapy)
Bachelor of
Medical Radiation Science (Medical Imaging)

Key features
› Learn in fully functioning x-ray suites on campus.
› Gain a highly specialised qualification recognised around the world.

Overview
The Bachelor of Medical Radiation Science (Medical Imaging) prepares students for careers as medical imaging professionals, also referred to as diagnostic radiographers. Medical imaging professionals are responsible for producing high quality medical images with various types of radiation to assist in monitoring and diagnosing injuries and illnesses, while also ensuring patients are safely exposed to radiation. Their work is varied and may include general radiography such as x-rays; fluoroscopy, which requires real-time imaging of the body’s internal organs; or emergency imaging in a variety of locations, including the general department, operating theatre or hospital ward. Demonstrating care and empathy for patients is an essential part of the profession, as is the ability to adapt well to change as a result of continual advancements in technology.

Medical imaging is selected when applying for entry into the program, and employment of graduates is only available within the specialised area of medical imaging.

What will I study?
During the first year of the program, students focus on the basic sciences that underpin the study and practice of medical radiation. Topics include anatomy, physiology, pathology, radiation physics, and an introduction to professional skills and knowledge. The second year of the program introduces students to psychology and evidence based practice concepts, and continues to build on the basic science components integrating information with the professional skills and knowledge needed to practice as a medical imaging professional. Application to professional practice occurs through clinical placements, which begin in the second year of the program and continue through third year. The final year is a comprehensive clinical practice program with regular pre-clinical preparation workshops to consolidate and extend students’ skills as they move into advanced areas of practice prior to graduation.

Clinical practice is a large component of the program and placements may be during the vacation periods. Students may be required to undertake a minimum four week clinical placement outside Adelaide in a rural or interstate location.

Who will employ me?
Graduates gain employment primarily in hospitals and private practices as medical imaging professionals. They may also work in the defence forces or move into industry in areas such as quality control, metals testing and pharmaceutical companies. Graduates may choose to undertake further study to advance their clinical skills in areas such as ultrasound, angiography, magnetic resonance imaging, computed tomography or pursue a career in research following the completion of a higher degree, such as a PhD. Graduates are eligible for employment overseas where their qualifications, training and experience are highly regarded. Graduates enjoy good employment prospects as the field they are entering has seen an increase in demand in recent years. An ageing population requiring increased medical radiation services, together with the continuing introduction of technologically advanced equipment, ensures strong demand for future graduates.

Professional recognition
Graduates are eligible to apply for general registration with the Australian Health Practitioner Regulation Agency (AHPRA).

Program schedule

FIRST YEAR
First Semester (SP 1, 2 or 3)
Foundations of Health
Human Anatomy 100
Human Physiology 100
Physics for Medical Radiation 1

Second Semester (SP 4, 5 or 6)
Human Anatomy 101 (Gross and Sectional)
Pathology for Medical Radiation

SECOND YEAR
First Semester (SP 1, 2 or 3)
Introductory Psychology 100
Physics for Medical Radiation 3

Human Anatomy 201 (Gross and Sectional)
Medical Imaging Studies 1

Second Semester (SP 4, 5 or 6)
Medical Imaging Clinical Practice 1
Medical Imaging Studies 2
Evidence Based Practice 1

Physics for Medical Radiation 4

THIRD YEAR
First Semester (SP 1, 2 or 3)
Medical Imaging Studies 3
Medical Imaging Studies 4
Elective

Evidence Based Practice 2

Second Semester (SP 4, 5 or 6)
CT and PET Imaging
Medical Imaging Clinical Practice 2
Specialised Medical Radiation

FOURTH YEAR
First Semester (SP 1, 2 or 3)
Medical Imaging Clinical Practice 3
Medical Imaging Clinical Practice 4

Second Semester (SP 4, 5 or 6)
Medical Imaging Professional Entry Practice 1
Medical Imaging Professional Entry Practice 2

International students
CRICOS code: O60206M
Program fees: A$30,700 per annum

Program code: CE
SATAC code: 414371
Program code: IBRS
ATAR (Feb 2014 cut-off) 99.85
UniSA preferred score 85
TAFE minimum entry: n/a
Prerequisites: DIP
Assumed knowledge: None

City East Campus
Full-time program duration in years 3
Part-time study available
External available
Partial external study available
Alternative entry pathways available
Laura Lukic
Diagnostic Radiographer, Women’s and Children’s Hospital

Medical imaging graduate, Laura Lukic, always knew she wanted to work in health care, but it was the clinical placement she undertook as part of her degree that inspired her to pursue a career in paediatrics. ‘I really enjoyed my clinical placements because they exposed me to what I’d be doing once I was qualified, and I discovered I really loved working with kids.’

Laura began her career as a diagnostic radiographer in general x-ray at the Women’s and Children’s Hospital and is now training in paediatric ultrasound. ‘Working in ultrasound is really rewarding. I get to play the role of the detective in the patient’s journey. I’m taking the images and working with the radiologist to form a diagnosis.’

‘That’s the great thing about medical imaging, there are so many opportunities to explore the diverse areas of the profession, learn new skills and specialise in different modalities. Your career can lead to so many new and exciting challenges.’
Bachelor of
Medical Radiation Science (Nuclear Medicine)

Overview
The Bachelor of Medical Radiation Science (Nuclear Medicine) prepares students for careers as nuclear medicine technologists. Nuclear medicine technologists provide a clinical service within a multidisciplinary team. They are responsible for preparing and administering radioactive substances, called radiopharmaceuticals, to patients to evaluate the function of an organ or body system and diagnose and treat disease.

Using specialised nuclear medicine equipment and computer software systems, they acquire patient images, analyse quantitative data and work closely with nuclear medicine physicians (specialist doctors) who are responsible for interpreting the images and data collected.

Demonstrating care and empathy for patients is an essential part of the profession and a nuclear medicine technologist is required to work with patients of all ages, some of whom may be very unwell. Nuclear medicine is an ever-changing profession due to advancements in technology, therefore, an important quality for nuclear medicine technologists is the ability to adapt to change and embrace continuing professional development.

Nuclear medicine is selected when applying for entry into the program and placements may be during the vacation periods. Students may be required to undertake clinical placements outside Adelaide in rural or interstate locations.

Who will employ me?
Graduates can expect to be employed in hospitals and private practices as nuclear medicine technologists. They may choose to undertake further study to advance their clinical skills in areas such as ultrasound, or pursue a career in research, following the completion of a higher degree such as a PhD.

Graduates are eligible for employment overseas where their qualifications, training and experience are highly regarded. With some further experience, graduates may be employed by pharmaceutical and nuclear medicine instrumentation companies, and development specialists.

Graduates have good employment prospects, and will enter a field in which the demand for professionals has increased in recent years. An ageing population requiring increased medical radiation services, together with the continuing introduction of hi-tech equipment, ensures strong demand for future graduates.

Professional recognition
Graduates are eligible to apply for general registration with the Australian Health Practitioner Regulation Agency (AHPRA); a condition of supervised practice may apply.

Key features
› Complete a comprehensive clinical practice program under the guidance of practising clinicians.
› Gain a highly specialised qualification recognised around the world.

Program schedule

FIRST YEAR
First Semester (SP 1, 2 or 3)
Foundations of Health
Human Anatomy 100
Human Physiology 100
Physics for Medical Radiation 1

Second Semester (SP 4, 5 or 6)
Pathology for Medical Radiation 1
Human Physiology 101
Physics for Medical Radiation 2
Human Anatomy 101 (Gross and Sectional)

SECOND YEAR
First Semester (SP 1, 2 or 3)
Introductory Psychology 100
Physics for Medical Radiation 3
Nuclear Medicine Studies 1
Human Anatomy 201 (Gross and Sectional)

Second Semester (SP 4, 5 or 6)
Nuclear Medicine Clinical Practice 1
Nuclear Medicine Studies 2
Physics for Medical Radiation 4
Evidence Based Practice 1

THIRD YEAR
First Semester (SP 1, 2 or 3)
Nuclear Medicine Studies 3
Nuclear Medicine Studies 4
Elective
Evidence Based Practice 2

Second Semester (SP 4, 5 or 6)
CT and PET Imaging
Nuclear Medicine Clinical Practice 2
Specialised Medical Radiation

FOURTH YEAR
First Semester (SP 1, 2 or 3)
Nuclear Medicine Clinical Practice 3
Nuclear Medicine Clinical Practice 4

Second Semester (SP 4, 5 or 6)
Nuclear Medicine Professional Entry Practice 1
Nuclear Medicine Professional Entry Practice 2

Key
CE City East Campus
PT Full-time program duration in years
EX External study available
PX External study available
CE Alternative entry pathways available
Bachelor of
Medical Radiation Science (Radiation Therapy)

Overview
The Bachelor of Medical Radiation Science (Radiation Therapy) prepares students for rewarding careers as radiation therapists. Radiation therapists play an important role in professional health care teams. Working closely with radiation oncologists and medical physicists, they plan and deliver optimal treatments, primarily to cancer patients. Using dedicated radiotherapy treatment planning software, radiation therapists model radiation doses and operate radiation equipment, to deliver high energy ionising radiation treatments. In addition to planning and delivering radiotherapy treatment to patients of all ages, they demonstrate care and empathy to guide them through the treatment process. Students have the opportunity to develop the technical skills required for clinical practice within state-of-the-art on campus facilities. Virtual Environment Radiotherapy Training (VERT) immerses students in a three-dimensional treatment room, allowing realistic simulation of radiotherapy treatment using equipment identical to what is used in the clinical setting. This allows students to prepare for clinical practice within a safe and supported environment. Radiation therapy is selected when applying for entry into the program and employment of graduates is only available within the specialised area of radiation therapy.

What will I study?
During the first year of the program, students focus on the basic sciences that underpin the study and practice of medical radiation. Topics include anatomy, physiology, pathology, radiation physics, and an introduction to professional skills and knowledge. The second year of the program introduces students to psychology and evidence based practice concepts, and continues to build on the basic science components integrating this information with the professional skills and knowledge needed to practice as a radiation therapist. Application to professional practice occurs through clinical placements, which begin in the second year of the program and continue through third year. The final year is a comprehensive clinical practice program with regular pre-clinical preparation workshops to consolidate and extend students’ skills as they move into advanced areas of practice prior to graduation.

Clinical practice is a large component of the program and placements may be during the vacation periods. Students may be required to undertake a minimum four week clinical placement outside Adelaide in a rural or interstate location.

Who will employ me?
Graduates can expect to be employed in hospitals and private practices as radiation therapists. A career in research, following the completion of a higher degree such as a PhD, is an option chosen by some graduates. Graduates are eligible for employment overseas where their qualifications, training and experience are highly regarded. With further experience, graduates may be employed by medical equipment manufacturers and development specialists. Graduates have good employment prospects, and will enter a field in which the demand for professionals has increased in recent years. An ageing population requiring increased medical radiation services, together with the continuing introduction of hi-tech equipment, ensures strong demand for future graduates.

Professional recognition
Graduates are eligible to apply for general registration with the Australian Health Practitioner Regulation Agency (AHPRA).

Program schedule

**FIRST YEAR**
- First Semester (SP 1, 2 or 3)
  - Foundations of Health
  - Human Anatomy 100
  - Human Physiology 100
  - Physics for Medical Radiation 1
- Second Semester (SP 4, 5 or 6)
  - Human Anatomy 201 (Gross and Sectional)
  - Second Semester (SP 4, 5 or 6)
  - Radiation Therapy Studies 2
  - Evidence Based Practice 1
  - Physics for Medical Radiation 4
  - Radiation Therapy Clinical Practice 1

**SECOND YEAR**
- First Semester (SP 1, 2 or 3)
  - Introductory Psychology 100
  - Physics for Medical Radiation 3
  - Radiation Therapy Studies 1
- Second Semester (SP 4, 5 or 6)
  - Human Anatomy 101 (Gross and Sectional)
  - Radiation Therapy Studies 3
  - Elective
  - Evidence Based Practice 2
  - Second Semester (SP 4, 5 or 6)
  - CT and PET Imaging
  - Radiation Therapy Clinical Practice 2
  - Specialised Medical Radiation

**THIRD YEAR**
- First Semester (SP 1, 2 or 3)
  - Radiation Therapy Studies 4
  - Radiation Therapy Studies 4
  - Elective
- Second Semester (SP 4, 5 or 6)
  - Pathology for Medical Radiation
  - Human Physiology 100
  - Human Physiology 100
  - Foundations of Health
- Third Semester (SP 4, 5 or 6)
  - Radiation Therapy Clinical Practice 3
  - Radiation Therapy Clinical Practice 4
  - Second Semester (SP 4, 5 or 6)
  - Radiation Therapy Professional Entry Practice 1
  - Radiation Therapy Professional Entry Practice 2
Entry requirements

For undergraduate bachelor degrees and associate degrees

Applicants are required to have completed the South Australian Certificate of Education (SACE) with:

- 200 subject credits (in total);
- a grade C* or higher in the Personal Learning Plan, 20 credits of literacy, 10 credits of numeracy and the Research Project at Stage 2;
- a grade C- or higher in an additional 60 credits at Stage 2;
- a competitive ATAR, and
- the fulfilment of the program’s prerequisite requirements (where applicable).

* For Stage 2 subjects a grade of C- or higher is required

Applicants may also be eligible for entry if they have completed the program’s prerequisite requirements and have one of the following:

- Completed an interstate or overseas qualification considered by the University as equivalent to SACE.
- Completed the international Baccalaureate Diploma with a minimum score of 24 points.

Pathways

Entering your chosen program straight from high school is not the only pathway into UniSA. Applicants may also be eligible for entry through one of the following pathways:

Tertiary Transfer – completion of partial completion of a higher education program from a recognised higher education institution.

Special Entry – completion of the Special Tertiary Admissions Test (STAT). A personal competencies statement or employment experience may also be considered.

TAFE/Registered Training Organisations (RTO) – Applicants may be eligible for entry with the completion of an award from TAFE or another Registered Training Organisation at AQF Certificate IV or above. Guaranteed entry into a program is also available to applicants who have a completed qualification that meets the TAFE Preferred requirement listed in each program’s snapshot.

Open Universities Australia – completion of at least four Open Universities Australia (OUA) courses at the appropriate level.

Foundation Studies – completion of a recognised foundation studies program including the University’s Foundation Studies program.

Before applying

All applicants should check and ensure that they meet all entry and prerequisite requirements before applying. For some programs, applicants may also be required to attend an interview or present a portfolio.

For more information on entry requirements, visit unisa.edu.au/future

Participation and access

UniSA offers various programs and services to assist rural and/or socio-economically disadvantaged students, Indigenous Australians and people with a disability.

For more information, contact (08) 8302 2376 or email study@unisa.edu.au

UniSA Bonus Points

For students commencing university study in 2015

UniSA Advantage is a bonus points scheme that encourages participation in education as well as rewards achievement in selected Year 12 subjects that better prepare students for university study. The scheme includes two strands – Achievement and Aspire.

Achievement bonus points will automatically be awarded if students score a C- or better in Year 12 Tertiary Admission Subjects (TAS) relevant to their intended UniSA program.

Aspire bonus points are awarded automatically to students who attend a school recognised by UniSA as under-represented at university. Students from rural and remote areas are also eligible for automatic bonus points while those students on School Card (or state equivalent), Youth Allowance and/or Health Care Card or Low Income Health Care Card who do not attend a recognised school, can apply for bonus points by downloading an application form.

For more information or to download the Aspire Application Form, visit unisa.edu.au/bonuspoints

For students commencing university study in 2016 and onwards

The three South Australian universities are replacing all existing equity and subject bonus schemes with two new bonus schemes. The new schemes will come in to operation for students studying Year 12 in 2015 who apply for entry for in 2016.

The two new schemes are the SA Universities Equity Scheme and the SA Language, Literacy and Mathematics Bonus Point Scheme.

The SA Universities Equity Scheme will provide bonuses in two ways: bonuses for all students in specified schools and bonuses for individuals experiencing disadvantage.

The SA Language, Literacy and Mathematics Bonus Point Scheme encourages students to strengthen their preparation for university studies by undertaking a language other than English, or specified English and Mathematics subjects.

Need some help? For further information, visit unisa.edu.au/bonuspoints or you can also contact Future Student Enquiries by phone (08) 8302 2376 or email study@unisa.edu.au

Student contributions

To find out more about how you can defer your HECS-HELP student contribution or to see if you are entitled to a Commonwealth Government supported place at the University of South Australia, please visit unisa.edu.au/fees.

The contribution that applies depends on which courses you choose to study and the contribution band in which those courses are classified (see table below). The amount of your student contribution also depends on the unit value of your courses of study.

How to apply to the University of South Australia

Go to satac.edu.au

As per the Australian Government guidelines, the student contribution amounts for 2014 are:

<table>
<thead>
<tr>
<th>Band</th>
<th>Fields of study</th>
<th>Student contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Band 1</td>
<td>Humanities, behavioural science, social studies, education, clinical psychology, foreign languages, visual and performing arts, nursing.</td>
<td>$0 – $6,044</td>
</tr>
<tr>
<td>Band 2</td>
<td>Mathematics, statistics, computing, built environment, other health, allied health, science, engineering, surveying, agriculture.</td>
<td>$0 – $8,613</td>
</tr>
<tr>
<td>Band 3</td>
<td>Law, accounting, administration, economics, commerce, dentistry, medicine, veterinary science.</td>
<td>$0 – $10,085</td>
</tr>
</tbody>
</table>

Note: These amounts are for 1 EFTSL (36 units) in 2014. The student contribution amounts for 2015 will be advised by the Federal Government in October 2014, and these will be available to view via unisa.edu.au/future/fees at that time.
WHAT WILL YOU STUDY?

Glossary

- **Associate degree**
  An award for completing a two-year (or part-time equivalent) tertiary program.

- **Bachelor degree**
  A program of three or more years duration (or part-time equivalent). Bachelor degree programs provide the relevant qualifications for many professions.

- **Diploma**
  UniSA offers a range of two-year diploma programs. Diplomas offered through UniSA College provide entry into the second year of a corresponding bachelor program in allied health, arts, business or science and technology. More information on the diplomas offered by UniSA College is available at unisa.edu.au/college. The Division of Education, Arts and Social Sciences offers a one-year Diploma in Languages which allows students to study a language concurrently with their bachelor degree program.

- **Foundation Studies**
  A free, one year program with no qualifications required for entry. This program assists students to develop the skills required for successful university-level study. Upon successful completion, students can apply for entry into a degree at the University of South Australia or to enter the second year of a UniSA College diploma program.

- **Graduate Certificate**
  An award for completing a postgraduate program of at least six months in duration (or part-time equivalent).

- **Graduate Diploma**
  An award for completing a postgraduate program of at least one year in duration (or part-time equivalent).

- **Honours**
  An additional year of study in a bachelor degree during which students specialise in a chosen area of study. In some cases, Honours study can actually be done as part of the degree.

- **Master degree**
  An award for completing a postgraduate program of at least two years (or part-time equivalent). PhD
  Doctor of Philosophy (PhD) programs normally extend over three years (or part-time equivalent) and involve significant research work.

- **PhD**

- **WHAT WILL YOU STUDY?**

  Glossary

  - **WHAT WILL YOU STUDY?**
  - **Associate degree**
    An award for completing a two-year (or part-time equivalent) tertiary program.
  - **Bachelor degree**
    A program of three or more years duration (or part-time equivalent). Bachelor degree programs provide the relevant qualifications for many professions.
  - **Diploma**
    UniSA offers a range of two-year diploma programs. Diplomas offered through UniSA College provide entry into the second year of a corresponding bachelor program in allied health, arts, business or science and technology. More information on the diplomas offered by UniSA College is available at unisa.edu.au/college. The Division of Education, Arts and Social Sciences offers a one-year Diploma in Languages which allows students to study a language concurrently with their bachelor degree program.
  - **Foundation Studies**
    A free, one year program with no qualifications required for entry. This program assists students to develop the skills required for successful university-level study. Upon successful completion, students can apply for entry into a degree at the University of South Australia or to enter the second year of a UniSA College diploma program.
  - **Graduate Certificate**
    An award for completing a postgraduate program of at least six months in duration (or part-time equivalent).
  - **Graduate Diploma**
    An award for completing a postgraduate program of at least one year in duration (or part-time equivalent).
  - **Honours**
    An additional year of study in a bachelor degree during which students specialise in a chosen area of study. In some cases, Honours study can actually be done as part of the degree.
  - **Master degree**
    An award for completing a postgraduate program of at least two years (or part-time equivalent).
  - **PhD**
    Doctor of Philosophy (PhD) programs normally extend over three years (or part-time equivalent) and involve significant research work.

- **HOW DOES YOUR PROGRAM WORK?**

  - **Course**
    A component of study within a program (previously known as a ‘subject’).
  - **Major**
    A set of related courses which comprises 36 units of study within a bachelor degree.
  - **Minor**
    A set of related courses which comprises up to 18 units of study within a bachelor degree.
  - **Program**
    Award in which you are enrolled, e.g Bachelor of Arts.
  - **Sub-major**
    A set of related courses which comprises between 19 and 35 units of study within a bachelor degree.
  - **Unit**
    A value assigned to a course which measures the amount of work involved in that course. Full-time students normally undertake 36 units of study per year (18 units per semester).

- **GENERAL**

  - **Assumed knowledge**
    Some programs require knowledge of certain SACE Stage 2 subjects.
  - **ATAR (Australian Tertiary Admission Rank)**
    A ranking of all students who have completed SACE in a particular year. The minimum ATAR required for the previous year is often a guide to how well you will need to perform to gain entry into a particular program. ATARS can vary from year to year and should be used as a guide only.
  - **CRICOS code**
    Code identifying that a University of South Australia program has been registered on the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS).
  - **Direct entry**
    Programs for which applications are not processed through SATAC but are made direct to the University of South Australia.
  - **Division**
    The University of South Australia is split into four academic divisions – Business School; Education, Arts and Social Sciences; Health Sciences; and Information Technology, Engineering and the Environment – each offering a range of specialised programs.

- **Free electives**
  A course chosen from any on offer outside your study area, provided that individual course prerequisites are met. Free elective courses are designed to broaden your knowledge and skills beyond your professional field of study.

- **Prerequisites**
  SACE Stage 2 (Year 12) subjects, or equivalent qualifications required for admission into the program.

- **SACE**
  The South Australian Certificate of Education or a recognised equivalent qualification.

- **SATAC Guide**
  A publication that lists every program offered by South Australian higher education institutions. The SATAC Guide provides information about the selection process, includes instructions on how to apply and is available online at satac.edu.au and from newsagents Australia-wide.

- **Special Entry (STAT)**
  Special Tertiary Admissions Test (STAT) is an alternative entry for people who do not have any other qualifications for admission to university.

- **UniSA Advantage**
  UniSA Advantage is a two-tiered points scheme that awards Year 12 students with Achievement and Aspire bonus points. Eligible students will be awarded up to a total number of 9 points when they apply through SATAC. Bonus points are added to the student's aggregate and a new UniSA ATAR is calculated. Visit unisa.edu.au/bonuspoints

- **UniSA Preferred**
  If your adjusted ATAR score (inclusive of bonus points) is equal to, or greater than, the published UniSA Preferred score, if you meet the relevant program prerequisites and list the program as your first preference, you are guaranteed a place in your selected program. Visit unisa.edu.au/preferred
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