Undergraduate Program Guide 2016

Health Sciences
Health Sciences opens the door to a world of career opportunities in health where you can make a difference to the lives of many.

Study Health Sciences for a pathway into clinical careers such as Indigenous health, neuroscience and pathology, or non-clinical careers like public health, health promotion and health services management.

This degree gives students an opportunity to learn relevant, up-to-date theory and gain hands-on experience to ensure students are job-ready when they graduate.

Students who have Medicine as a goal, the Bachelor of Health Sciences is a recommended pre-medical degree that allows students a comprehensive overview of the biomedical sciences, public health, health behaviours and the health care system.

Students will learn from some of the country’s leading experts in health and our placement in third year means students will be well on the road to a career in health when they graduate.

The University of Adelaide prepares educated leaders who are career and life ready, not just ready for a job. Students will graduate with strong professional skills and confidence to excel in their chosen career.

What you will study
The Bachelor of Health Sciences will provide students with the skills they need for a career in health, or the foundations to do further study in a clinical degree such as medicine, physiotherapy or dietetics. Students study across a wide range of areas including Human Biology, Biology of Disease and a number of Health Science electives.

Health Science degrees are available across the following core disciplines:

**Undergraduate degrees:**
> Bachelor of Health Sciences
> Bachelor of Health Sciences (Advanced)

**Honours degree:**
> Honours degree of Bachelor of Health Sciences

**Double degrees:**
> Bachelor of Health Sciences with Bachelor of Mathematical and Computer Sciences
> Bachelor of Laws with Bachelor of Health Sciences
> Bachelor of Social Sciences with Bachelor of Health Sciences

The future in Health Sciences
Whether students want to work with clients in a clinical contact role, help in the community, focus on illness prevention, or behind the scenes in the business of health, this degree provides a pathway to a rewarding career.

Employment prospects across the health sector are good with above-average growth and salary, and below-average unemployment in many of the graduate career areas.

Non-clinical careers focusing on preventing illness and disease by utilising skills in assessment, management and planning will allow for the delivery of efficient and quality health care. Possible careers in service sectors or industries include:

> Health promotion officer, community health officer, project officer, public health officer, consultant
> Health service manager or health information officer in hospitals and other health care facilities
> Community health clinic manager
> Community nutritionist, nutrition assistant

Fit uni into life
Attendance at university is less structured than time spent at high school. The hours spent on campus in lectures, tutorials, practicals or in the field—known as ‘contact hours’—depend on the program students enrol in, study mode selected (internal, external, online or flexible learning) and course choices.

This diary snapshot is only one example of how a student may choose to schedule their university study and life.

<table>
<thead>
<tr>
<th>Monday</th>
<th>October 2016</th>
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<tbody>
<tr>
<td>11am Biology lecture</td>
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<td>12pm Public Health lecture</td>
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<tr>
<td>1pm Human Biology lecture</td>
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<tr>
<td>5pm Psychology lecture</td>
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<tr>
<td><strong>Phone mum for her birthday!</strong></td>
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<table>
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<tr>
<th>Tuesday</th>
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<tbody>
<tr>
<td>11am Biology lecture</td>
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<td>2pm Human Biology lecture</td>
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<tr>
<td>3pm Public Health tutorial</td>
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<tr>
<td><strong>4pm Rugby training</strong></td>
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Public health manager
- Public health researcher
- Diagnostic and screening services
- Pharmaceutical industries
- Government and non-government organisations

Clinical careers (after further study) include:
- Medicine
- Occupational therapist
- Speech pathologist
- Audiologist
- Social worker
- Physiotherapist
- Medical researcher

Peer mentoring program
The Faculty of Health Sciences peer mentoring program aims to provide support for international and domestic students in the transition to university. Senior year students provide guidance and assistance to a small group of commencing students who would like advice in understanding the expectations and requirements of life as a university student.

The peer mentors can help students meet new people and establish friendships and be aware of the various student support services available at the University of Adelaide.

How many hours will students spend at Uni?
As a full-time student on campus they should expect to spend about 12 - 25 hours each week in lectures or tutorials between 8am and 9pm, Monday to Friday.

Practical courses will require out-of-hours involvement and some courses require off-campus placements.

Life experience through Global Learning
All students will have the opportunity to study overseas through a range of programs, including student exchange, study tours and summer and winter schools. There are many exciting opportunities in Europe, Asia, the Americas and Africa. For information visit:
www.adelaide.edu.au/global-learning

Aboriginal and Torres Strait Islanders
The University of Adelaide values diversity where the rich cultures of Aboriginal and Torres Strait Islanders are taught, supported and celebrated. Wirltu Yarlu provide a range of services, schemes and preparation programs that are designed to support your desire to gain educational outcomes. Wirltu Yarlu is a place where students can soar to new heights. For information visit:
www.adelaide.edu.au/wirltu-yarlu

Small group discovery
There is a commitment to give all students the opportunity to learn in small groups, peer-to-peer and under the guidance of leading academics and researchers. This experience will enhance students initiative and creativity maximising studying in a research intensive university. For information visit:
www.adelaide.edu.au/VCO/beacon/small-group

Advanced Bachelors
High achieving students who are inspired by the opportunity to contribute to the world’s important discoveries and research advancements should consider the Advanced Bachelors degrees. These programs provide a unique close quarters learning experience with academics of international distinction. For information visit:
www.adelaide.edu.au/degree-finder
The Bachelor of Health Sciences is a flexible degree that can be tailored to specific interests and career aspirations. Students can begin to specialise in the first year of the degree or can select courses that keep their options open until they have had an opportunity to explore the various areas that can be studied in the Bachelor of Health Sciences. The Faculty of Health Sciences provides individual study planning advice to first year students. Throughout their degree, students can also seek assistance navigating course choices to ensure they are on track to a great future, whether it involves a career or further study.

Many students select courses that enable them to meet entry requirements for postgraduate clinical degrees, including graduate Medicine, Physiotherapy, Dietetics and Nutrition and Speech Pathology.

Program structure

Students must undertake at least half of their courses in health sciences. This includes core courses and some electives. Students then choose the remainder of courses from electives available from other schools and faculties in the University. Each student must complete at least one major in health sciences. A major is an area of specialisation and is formed through a sequence of courses in a single discipline or an interdisciplinary area.

Bachelor of Health Sciences (Advanced)

The Bachelor of Health Sciences (Advanced) is a unique degree giving high-achieving students the opportunity to interact with research leaders in health sciences. Students also gain an understanding of how research can be translated into clinical practice, other health services, public health interventions or policy, to improve health for everybody.

It is the ideal degree for students who want to contribute to improving health through research. The research focus enhances other formal learning about the health of individuals and populations, drawing on specific areas of scientific knowledge (such as biology, physiology or health promotion).

The Advanced degree offers the choice and flexibility of a Bachelor of Health Sciences while providing early opportunities to be involved, in research activities. Advanced degree students will also be supported with tailored mentoring and career development planning.

With some majors there are opportunities to undertake a work-integrated learning experience (internship) and students are encouraged to consider overseas study experiences through the Global Learning program.

Vacation scholarships are also offered through the School of Medical Sciences and the School of Population Health for students to explore the possibilities of a research career.

Why study the Bachelor of Health Sciences (Advanced)?

Students enrolled in the Bachelor of Health Sciences (Advanced), design components of their degree of study choosing from a broad range of electives, in addition to completing core courses. Each student may take two majors but one of the majors must be chosen from Nutrition, Human Reproductive Health, or Epidemiology. The other major can be chosen outside of these areas, e.g. any of the Health Sciences majors.

In year 2, students take a course to develop advanced research skills and in year 3 undertake an advanced research project in nutrition, reproductive health or epidemiology; areas in which the University has an international reputation for research excellence.

The advanced research project module includes career-readiness tutorials and workshops addressing the wider ethical, social and political aspects of research.

The Advanced degree also gives students unique access to extracurricular and career development opportunities with a research focus for interested students.

Why include the Bachelor of Health Sciences as my second preference?

Students who do not meet the cut-off score (ATAR: 95) for the Advanced degree, can still study most of the courses included in the Advanced degree. They have access to courses and majors that are only available to Bachelor of Health Sciences students (refer previous).

Students who do well in their studies can transfer to the Advanced degree at the end of year 1, or midway through year 2 (providing academic requirements are met).

Indicative study plan

| Year 1 | > Human Biology 1A and 1B | > Public Health 1A and 1B | > Level 1 electives |
| Year 2 | > Drugs and Health | > Biology of Disease | > Level 2 electives to achieve a major or majors |
| Year 3 | > Health Sciences electives to achieve a major or majors | > Level 3 electives |
At the beginning of my studies, I didn’t really know where the Bachelor of Health Science degree would take me and what majors I would eventually choose. I decided that the Bachelor of Health Sciences would allow me to try out a range of different subjects, which would provide me with a better idea of what areas I enjoyed most.

Aimee Brownbill
Bachelor of Health Sciences
(majoring in Nutrition and Public Health)
Health Science majors

Please note: Bachelor of Health Sciences (Advanced) students must choose one major from either: Epidemiology, Human Reproductive Health or Nutrition. Advanced students may then choose to take a second major from any of the following available majors.

Anatomical Sciences

Anatomical Sciences encompasses the study of the gross and microscopic structure of the body and the relationship between structure and function.

Key skills and knowledge:

> research literacy and the development and refinement of skills in communication and academic writing, oral and written scientific presentations
> advanced-level skills in data numeracy, critical thinking, critical evaluation and analysis
> a variety of analytical laboratory skills, including dissection, routine and special staining, immunohistochemistry and light and electron microscopy
> understanding of functional anatomy, cell biology and biological processes
> skills in anthropometric examination and in skeletal identification for forensic and archaeological purposes
> skills in planning and conducting independent research.

Indicative study plan

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<td>Human Biology 1A and 1B, plus other core courses and electives</td>
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<tr>
<td>Year 2</td>
<td>Level 2 Anatomy major courses, plus other core courses and second major courses or electives</td>
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<tr>
<td>Year 3</td>
<td>Level 3 Anatomy courses, plus second major courses or electives</td>
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Epidemiology

Related to the word 'epidemic', epidemiology is the study of patterns, causes and distributions of health and disease in populations. The Epidemiology major will equip students with an understanding of the essential role of epidemiology in monitoring the health of populations and responding proactively to public health problems.

Key skills and knowledge:

> research literacy, including excellent communication and academic writing, oral and written scientific presentations
> high levels of data numeracy, critical thinking, critical evaluation and analysis, including epidemiological concepts and measures, and biostatistics
> understanding of the social determinants of health and the structure and function of the Australian health system
> skills and knowledge in developing public health strategies to reduce the severity of health risks for Australian populations
> ability to critically evaluate public health initiatives, policies and health systems
> knowledge of the processes in the development and evaluation of public health policy.

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<tr>
<td>Year 2</td>
<td>Level 2 Epidemiology courses, other core courses, and second major courses or electives</td>
</tr>
<tr>
<td>Year 3</td>
<td>Level 3 Epidemiology courses, a Population Health capstone course, and second major courses or electives</td>
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Exercise Science

Exercise Science studies how the body responds to exercise and adapts over time with exercise training and/or physical activity. The Exercise Science major applies this knowledge to both general and athletic populations for promotion of health and improved performance, whilst also examining the role of exercise in the therapy of chronic diseases. Exercise Science encompasses not only anatomy and physiology, but also the psychological and neurological processes, looking at both positive and negative impacts of exercise.

Key skills and knowledge:

> research literacy, and the development and refinement of skills in communication and academic writing, oral and written scientific presentations
> high levels of critical thinking, critical evaluation and analysis of evidence regarding exercise in health and sporting contexts
> basic counselling skills to provide appropriate advice and recommendations on exercise
> an understanding of exercise physiology, functional anatomy, and neurological processes that can be applied to sporting and clinical populations
> skills in conducting exercise tests and physiological assessments
> practical skills in the prescription of exercise, and the design of safe, appropriate and effective exercise degrees.

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<tr>
<td>Year 2</td>
<td>Level 2 Exercise Science courses, plus other core courses and electives</td>
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<tr>
<td>Year 3</td>
<td>Level 3 Exercise Science courses, plus second major courses or electives</td>
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Genetics, Microbiology and Biochemistry

The Genetics major is designed to challenge and stimulate students’ interest in the organisation, structure and mechanisms of human genetics. The Microbiology major produces graduates with an understanding of the interactions between bacterial pathogens, viruses and immune systems. The Biochemistry major equips students with an applied understanding of cutting edge biomedical science principles and technical advances in biochemistry research.

Key skills and knowledge:
> research literacy, including excellent communication and academic writing, oral and written scientific presentations
> advanced level skills in data numeracy, critical thinking, critical evaluation and analysis
> laboratory and analytical skills
> advanced understanding of the key concepts in each of the discipline areas.

Indicative study plan

Biochemistry

| Year 1 | Biology and Chemistry, other core courses and electives |
| Year 2 | Level 2 Biochemistry courses, other core courses and electives |
| Year 3 | Level 3 Biochemistry courses and electives |

Genetics

| Year 1 | Biology, other core courses and electives |
| Year 2 | Level 2 Genetics courses, other core courses and electives |
| Year 3 | Level 3 Genetics courses |

Microbiology

| Year 1 | Biology, other core courses and electives |
| Year 2 | Level 2, Microbiology courses, other core courses and second major courses and electives |
| Year 3 | Level 3 Microbiology courses and second major courses or electives |

Health Promotion

Health Promotion is the process of enabling people to increase control over and improve their health. The Health Promotion major will build students’ understanding of key theoretical concepts and principles in health promotion, and of contemporary challenges in the practice of health promotion.

Key skills and knowledge:
> research literacy, including excellent communication and academic writing, oral and written scientific presentations
> ability to design and critique health promotion plans and degrees
> understanding of the social determinants of health and the structure and function of the Australian health system
> skills and knowledge in developing public health strategies to reduce the severity of health risks for Australian populations
> ability to critically evaluate public health initiatives, policies and health systems
> knowledge of the processes in the development and evaluation of public health policy.

Indicative study plan

| Year 1 | Public Health 1A and 1B, plus other core courses and electives |
| Year 2 | Level 2 Health Promotion courses, other core courses, and second major courses or electives |
| Year 3 | Level 3 Health Promotion courses, a Population Health capstone course, and second major courses and electives |

Human Reproductive Health

The Human Reproductive Health major equips students with knowledge about aspects of human reproductive biology, function and technologies, and an understanding of human population dynamics and the contribution of developmental biology to adult health.

Key skills and knowledge:
> research literacy, including excellent communication and academic writing, oral and written scientific presentations
> advanced data numeracy, critical thinking, critical evaluation and analysis skills
> insights into current understanding of the developmental biology of reproduction in humans and the application of reproductive technology to human health and disease
> solid understanding of the biology and pathology of reproduction, fertilisation, implantation, embryonic and foetal growth and development and adaptation to pregnancy
> greater awareness and understanding of the social, medical, scientific, moral and ethical issues associated with human reproduction.

Indicative study plan

| Year 1 | Human Biology 1A and 1B core courses and electives |
| Year 2 | Level 2 Reproductive Health courses, other core courses, and second major course or electives |
| Year 3 | Level 3 Reproductive Health courses and second major courses or electives |
Indigenous Health

The Indigenous Health major will support students to build their competency, particularly in cross-cultural and inequitable health contexts, through introducing them to the 'real life' politics of health and wellbeing for Australia’s Aboriginal and Torres Strait Islander peoples.

Key skills and knowledge:
- cultural competency
- research literacy
- excellent communication skills
- high levels of data numeracy
- understanding of the social determinants of Indigenous health.

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<tr>
<td>Year 2</td>
<td>Level 2 Indigenous Health courses, other core courses, and second major courses or electives</td>
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<td>Year 3</td>
<td>Level 3 Indigenous Health courses, a Populations Health capstone course, and second major courses or electives</td>
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Neuroscience

The Neuroscience major equips students with an understanding of the fundamental organisation and functional principles of the nervous system, from the biology of nerve cells and neural circuits through to the neural systems and complex behaviours.

Key skills and knowledge:
- research literacy, including excellent communication and academic writing, oral and written scientific presentations
- advanced skills in data numeracy, critical thinking, critical evaluation and analysis
- research literacy, particularly in research methods, ethical considerations, experimental techniques, and data processing in scientific research
- understanding of a range of diseases and conditions affecting the central and peripheral nervous systems
- laboratory and analytical skills, including dissection
- comprehensive understanding of the structure and function of the central nervous system.

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<tr>
<td>Year 2</td>
<td>Level 2 Neuroscience courses, other core course, and second major courses or electives</td>
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<tr>
<td>Year 3</td>
<td>Level 3 Neuroscience courses, and second major course and electives</td>
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Nutrition

The Nutrition major aims to produce students who understand how nutrition requirements and challenges vary throughout the human lifecycle and how changes in nutritional requirements impact on human health. Key skills and knowledge:
- research literacy, including excellent communication and academic writing, oral and written scientific presentations
- advanced-level skills in data numeracy, critical thinking, critical evaluation and analysis
- understanding of how basic cellular and molecular processes are regulated by dietary components and how diet can influence overall human health
- understanding of the acute and chronic physiological adaptations of the cardiorespiratory and neuromuscular systems to exercise
- ability to critically assess nutritional status, and design basic nutritional interventions
- skills to provide appropriate, practical, dietary and nutritional therapeutic advice for athletes.

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<tr>
<td>Year 2</td>
<td>Level 2 Nutrition courses, other core courses, and second major courses or electives</td>
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<tr>
<td>Year 3</td>
<td>Level 3 Nutrition courses and second major courses or electives</td>
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Pathology

The Pathology major equips students with an understanding of the causes, mechanisms and consequences of diseases so that effective treatments and preventions can be developed.

Key skills and knowledge:
- research literacy, including excellent communication and academic writing, oral and written scientific presentations
- advanced-level skills in data numeracy, critical thinking, critical evaluation and analysis
- skills in oral and written scientific presentations of topics in biomedical research
- knowledge of pathological processes and a wide variety of common pathological conditions
- insight into the forensic sciences, including pathology, toxicology, anthropology and odontology and how these may help investigate crime
- understanding of a range of diseases and conditions affecting the central and peripheral nervous systems
- self-directed learning strategies.

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<tr>
<td>Year 2</td>
<td>Level 2 Pathology courses, other core courses, and second major courses and electives</td>
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<td>Year 3</td>
<td>Level 3 Pathology courses, second major courses or electives</td>
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Pharmacology

The Pharmacology major equips students with an understanding of the effects of drugs on human health. It includes a study of how therapeutic drugs work in the body to treat disease while providing an appreciation of the factors that can cause negative health impacts of drugs, including recreational drugs.

Key skills and knowledge:
- research literacy, including excellent communication and academic writing, oral and written scientific presentations
- advanced skills in data numeracy, critical thinking, critical evaluation and analysis
- understanding of the methods used by toxicologists, and how new drugs are discovered and developed
- insight into the factors that influence and govern the effects of drugs within the body
- laboratory and analytical skills
- proficiency in the design and execution of research projects using modern experimental methodologies.

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<td>Level 2 Pharmacology courses, other core courses and second major courses or electives</td>
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Physiology

Physiology is the study of how living systems work. The Physiology major focuses on the integration of multiple physiological systems that are necessary for whole-body function and their application to human health throughout the lifespan.

Key skills and knowledge:
- research literacy, particularly in research methods, ethical considerations, experimental techniques, and data processing in scientific research
- advanced skills in data numeracy, critical thinking, critical evaluation and analysis
- strong skills in both team work and individual research, including the collection, analysis, interpretation and communication of data
- understanding of the major organ systems of the body, including the cardiovascular, respiratory and neuromuscular systems and the role of neural and endocrine control mechanisms in maintaining health
- understanding of the human central nervous system function, with emphasis on the physiological basis for sensation and neural processing by the brain
- advanced knowledge of exercise physiology with specific reference to exercise testing and prescription.

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<td>Year 2</td>
<td>Level 2 Physiology courses, other core courses and second major courses or electives</td>
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<td>Level 3 Physiology courses, and second major courses or electives</td>
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Double degrees

Bachelor of Health Sciences with Bachelor of Laws

SATAC code: 324111
Duration: 5 years full-time (or part-time equivalent)
Location: North Terrace campus
2015 local cut-offs: ATAR: 95.00 IB: 35
2016 international cut-offs: ATAR: 85 IB: 30
STAT entry: yes
Tertiary/Internal transfer: yes

Students who fulfil the requirements of the Bachelor of Health Sciences and the Bachelor of Laws will receive two degree parchments on successful completion of the five years of prescribed study. All students undertake a major sequence in a Health Sciences discipline and all of the prescribed study in law.

Students can gain entry to law directly from high school or apply after completing one year of the Health Sciences degree. Applications must be submitted via SATAC: www.satac.edu.au

The reason I chose to study the program was my interest in the human body and the fit with my future career plans. It is also a program that has a fantastic structure, focusing on building knowledge, group work, practical application of that knowledge and many areas to focus in on through your studies.

Shane Martin  Bachelor of Health Sciences with Bachelor of Laws

Bachelor of Health Sciences with Bachelor of Mathematical and Computer Sciences

SATAC code: 324461
Duration: 4 years full-time (or part-time equivalent)
Location: North Terrace campus
2015 local cut-offs: ATAR: 75.65 IB: 26
2016 international cut-offs: ATAR: 85 IB: 30
Prerequisites:
SACE Stage 2: Mathematical Studies
IB: Mathematics (SL grade 4/HL grade 3)
STAT entry: yes*
Tertiary/internal transfer: yes*

VET/TAFE minimum entrance requirements: completed Certificate IV*

The Bachelor of Health Sciences with Bachelor of Mathematical and Computer Sciences is a double degree that is designed to provide a broad education for students interested in both the health sciences and mathematical and computer sciences. In the health industry there is a growing need for graduates with detailed understanding of mathematical and statistical concepts as they apply to the management of complex health systems and problems. There is an increasing demand for health economists, bio-statisticians and bio-informaticians, and this double degree is an excellent platform for specialising in these areas. The double degree also provides a sound basis for postgraduate study in a number of areas, including graduate medicine. Students can enrol in courses at level 1 and level 2 for both degrees, and present a separate level 3 for each degree, allowing them to complete both degrees in four years.

Shane Martin  Bachelor of Health Sciences with Bachelor of Mathematical and Computer Sciences

Bachelor of Social Sciences with Bachelor of Health Sciences

SATAC code: 314971
Duration: 4 years full-time (or part-time equivalent)
Location: North Terrace campus
2015 local cut-offs: ATAR: 69.40 IB: 24
2016 international cut-offs: ATAR: 85 IB: 30
STAT entry: yes
Tertiary/internal transfer: yes

VET/TAFE minimum entrance requirements: completed Certificate IV+

+Credit may be available; please refer to credit calculator: ua.edu.au/credit-calculator

The Bachelor of Social Sciences with Bachelor of Health Sciences is a combined degree that is designed to provide a broad education for students interested in both the health sciences and social sciences. Students undertake core courses in both areas, and combine them with Health Sciences and Social Sciences electives in their area of interest. These complementary areas of study give students understanding of the social structures and forces that affect health policy decisions and outcomes. Graduates have the skills to consider health issues in the wider social context and to offer critical input into the development of public health policies and degrees. The combined degrees provide a sound basis for postgraduate study in a number of areas, including graduate medicine.

Students can present courses at level 1 and level 2 to both degrees, and present a separate level 3 for each degree, allowing them to complete both degrees in four years.

Shane Martin  Bachelor of Social Sciences with Bachelor of Health Sciences
Bachelor of Science (Molecular Biology)

www.adelaide.edu.au/degree-finder

SATAC code: 314561

Duration: 3 years full-time (or part-time equivalent)

Location: North Terrace campus

Adelaide Approved score: 75

2015 local cut-offs: ATAR: 68.4 IB: 24

2016 international cut-offs: ATAR: 75 IB: 25

Prerequisites:
SACE Stage 2: Chemistry plus one of Physics, Mathematical Studies, Specialist Mathematics, Mathematical Methods, Biology, Scientific Studies, Geology, Agriculture and Horticulture, Agricultural and Horticultural Science, Nutrition, IB: Chemistry (SL grade 4/HL grade 3) and one other Science subject (SL grade 4/HL grade 3) or Mathematics (SL grade 4/HL grade 3).

Assumed knowledge: SACE Stage 2 Mathematical Studies, Physics

STAT entry: yes*

Tertiary/internal transfer: Yes*

*SACE Stage 2 prerequisites or equivalents must be met

Bachelor of Science (Biomedical Science)

www.adelaide.edu.au/degree-finder

SATAC code: 314091

Duration: 3 years full-time (or part-time equivalent)

Campus: North Terrace campus

Adelaide Approved score: 75

2015 local cut-offs: ATAR: 72.6 IB: 25

2016 international cut-offs: ATAR: 75 IB: 25

Prerequisites:
SACE Stage 2: Chemistry plus one of Physics, Mathematical Studies, Specialist Mathematics, Mathematical Methods, Biology, Geology, Scientific Studies, Agriculture and Horticulture, Agricultural and Horticultural Science, Nutrition, IB: Chemistry (SL grade 4/HL grade 3) and one other Science subject (SL grade 4/HL grade 3) or Mathematics (SL grade 4/HL grade 3).

Assumed knowledge: SACE Stage 2 Mathematical Studies, Physics

STAT entry: yes*

Tertiary/internal transfer: Yes*

*SACE Stage 2 prerequisites or equivalents must be met

Bachelor of Social Sciences

www.adelaide.edu.au/degree-finder

SATAC code: 324011

Duration: 3 years full-time (or part-time equivalent)

Campus: North Terrace campus

Adelaide Approved score: 70

2015 local cut-offs: ATAR: 66.75 IB: 24

2016 international cut-offs: ATAR: 70 IB: 25

STAT entry: yes

Tertiary/internal transfer: Yes

VET/TAFE minimum entry requirements: completed Certificate IV*

*Credit may be available; please refer to credit calculator: us.adelaide.edu.au/credit-calculator

Bachelor of Social Sciences students will be involved in investigating, analysing and interpreting the major social justice challenges faced in an increasingly globalised world. The degree has a strong focus on applied social research, policy analysis and writing in the key areas of the social sciences.

From a social justice standpoint, students learn to recognise different needs and develop a range of approaches and methods to understand and respond to the critical problems and public issues in society. Students also build valuable qualitative and quantitative research skills and have the opportunity to design their own independent research projects.
Yaitya Purruna—Indigenous health unit

Established in 2000, the Yaitya Purruna Indigenous health unit is part of the School of Population Health and supports the Aboriginal and Torres Strait Islander students within the Faculty of Health Sciences.

Yaitya Purruna assists Aboriginal and Torres Strait Islander students studying nursing, medicine, dentistry, oral health, psychology or health sciences with their study, delivering specialised support services and facilities to provide a culturally appropriate environment. Sitting within the School of Population Health in the Faculty of Health Sciences, the Yaitya Purruna Indigenous health unit is part of the overall Aboriginal and Torres Strait Islander Education Strategy at the University of Adelaide.

The unit focuses on the following:

- Advocating and providing support for all Aboriginal and Torres Strait Islander students studying in the Faculty of Health Sciences.
- Contributing to research, teaching and curriculum development on Indigenous health within the School of Population Health and School of Medicine.
- Promoting careers for Indigenous people in the health sciences.
- Promoting community engagement in Aboriginal and Torres Strait Islander communities as part of the University’s commitment to ‘Closing the Gap’, including the LaunchPad on research, a partnership between the University of Adelaide and the Aboriginal Health Council of SA.

In all of these roles Yaitya Purruna works in close partnership with Wirltu Yarlu the University of Adelaide Aboriginal Education unit.

A dedicated study space is provided as a safe and quiet home base for our Aboriginal and Torres Strait Islander students studying in all our degrees. The Faculty also provides a dedicated Student Services Support Officer who is co-located in this area to provide students with ongoing support.

For more information on Yaitya Purruna Indigenous health unit, Wirltu Yarlu: Aboriginal Education, or studying in the Faculty of Health Sciences:

- Web: www.adelaide.edu.au/wirltu-yarlu
- Email: yaityapurruna@adelaide.edu.au
- Telephone: 08 8313 6275
Further information

Further study options
Honours
Graduates meeting the academic standard are encouraged to further their studies by undertaking an honours year, which includes advanced coursework and a research component where students produce an extended piece of work (thesis) on a chosen topic in consultation with an academic supervisor. Honours can also be an excellent way to enhance career prospects by demonstrating abilities in managing projects, working independently and gaining an in-depth understanding of a specific topic in a limited time.

Potential areas of specialisation
- Anaesthesia and Intensive Care
- Anatomical Sciences
- Biochemistry
- Genetics
- Microbiology and Immunology
- Neurosciences
- Obstetrics and Gynaecology
- Orthopaedics and Trauma
- Paediatrics
- Pathology
- Pharmacology
- Physiology
- Psychiatry
- Public Health
- Surgery

Master or PhD by research
Applying for these degrees provides students with the opportunity to carry out an original research project and explore, in greater detail, a specific area of Health Sciences. A master’s degree is typically achieved in around two years of study and a doctorate is usually obtained in around three years. These degrees qualify graduates for careers as research scientists.

University Health practice
The University Health practice is an ongoing health service, providing comprehensive and confidential health care to all students in a friendly and comfortable environment. Both female and male doctors are available.

Services include:
- health checks
- immunisations and vaccinations
- psychotherapy/counselling
- skin care
- travel medicine
- drug and alcohol counselling
- sports medicine
- weight disorders
- men’s and women’s sexual health
- contraceptive advice

Group of Eight
www.go8.edu.au
The University of Adelaide is a member of the Group of Eight (Go8), a coalition of Australia’s leading research intensive universities. Group of Eight universities provide opportunities for all students to benefit from a world-class education, while enhancing Australia’s wellbeing and prosperity, responding to local and global challenges, and contributing to the global knowledge economy through their teaching and research activities.

Open Day
Sunday 16 August 2015
Open Day offers important information for future students and parents, as well as entertainment, tours and exhibitions for the whole family. Everyone is invited to discuss study and career options with the University’s friendly staff and explore the University campus.

For more information visit the Open Day website or call Ask Adelaide.

www.adelaide.edu.au/openday
# Undergraduate program index

Undergraduate degrees available at the University of Adelaide. Students with strong interests in more than one area of study may wish to consider a double or combined degree. For a comprehensive list of available programs, visit our degree finder at [www.adelaide.edu.au/degree-finder](http://www.adelaide.edu.au/degree-finder)

## Architecture, Landscape Architecture and Urban Design
- Bachelor of Architectural Design

## Arts, Humanities and Social Sciences
- Bachelor of Arts
- Bachelor of Arts (Advanced)
- Bachelor of Development Studies
- Bachelor of Environmental Policy and Management
- Bachelor of International Studies
- Bachelor of Languages
- Bachelor of Media
- Bachelor of Social Sciences
- Diploma in Languages

## Business, Economics and Innovation
- Bachelor of Commerce
- Bachelor of Commerce (Accounting)
- Bachelor of Commerce (Corporate Finance)
- Bachelor of Commerce (International Business)
- Bachelor of Commerce (Management)
- Bachelor of Commerce (Marketing)
- Bachelor of Economics
- Bachelor of Economics (Advanced)
- Bachelor of Finance
- Bachelor of Finance (International)
- Bachelor of Innovation and Entrepreneurship

## Dentistry and Oral Health
- Bachelor of Dental Surgery
- Bachelor of Oral Health

## Engineering, Computer and Mathematical Sciences
- Bachelor of Computer Science
- Bachelor of Computer Science (Advanced)
- Bachelor of Engineering (Honours) (Chemical)
- Bachelor of Engineering (Honours) (Chemical and Pharmaceutical)
- Bachelor of Engineering (Honours) (Civil and Architectural)
- Bachelor of Engineering (Honours) (Civil and Environmental)
- Bachelor of Engineering (Honours) (Civil and Structural)
- Bachelor of Engineering (Honours) (Civil, Structural and Environmental)
- Bachelor of Engineering (Honours) (Electrical and Electronic)
- Bachelor of Engineering (Honours) (Mechanical)
- Bachelor of Engineering (Honours) (Mechanical and Aerospace)
- Bachelor of Engineering (Honours) (Mechanical and Sports)
- Bachelor of Engineering (Honours) (Mechanical and Sustainable Energy)
- Bachelor of Engineering (Honours) (Mechatronics)
- Bachelor of Engineering (Honours) (Mining)
- Bachelor of Engineering (Honours) (Petroleum)
- Bachelor of Engineering (Honours) (Petroleum and Chemical)
- Bachelor of Engineering (Honours) (Petroleum, Civil and Structural)
- Bachelor of Engineering (Honours) (Petroleum and Mechanical)
- Bachelor of Engineering (Honours) (Petroleum and Mining)
- Bachelor of Engineering (Honours) (Software)
- Bachelor of Engineering (Honours) – Flexible Entry
- Bachelor of Mathematical Sciences
- Bachelor of Mathematical Sciences (Advanced)
- Bachelor of Mathematical and Computer Sciences

## Law
- Bachelor of Laws
- Bachelor of Laws and Graduate Diploma in Legal Practice

## Law double degrees
- Bachelor of Laws with Bachelor of Arts
- Bachelor of Laws with Bachelor of Commerce
- Bachelor of Laws with Bachelor of Computer Science
- Bachelor of Laws with Bachelor of Development Studies
- Bachelor of Laws with Bachelor of Economics
- Bachelor of Laws with Bachelor of Environmental Policy and Management
- Bachelor of Laws with Bachelor of Finance
- Bachelor of Laws with Bachelor of Health Sciences
- Bachelor of Laws with Bachelor of International Studies
- Bachelor of Laws with Bachelor of Mathematical and Computer Sciences
- Bachelor of Laws with Bachelor of Media
- Bachelor of Laws with Bachelor of Science
- Bachelor of Laws with Bachelor of Social Sciences
- Bachelor of Laws combined and Graduate Diploma in Legal Practice

## Medicine
- Bachelor of Medicine and Bachelor of Surgery

## Music
- Bachelor of Music

## Nursing
- Bachelor of Nursing

## Psychology
- Bachelor of Psychological Science
- Honours degree of Bachelor of Psychology

## Sciences
- Bachelor of Agricultural Sciences
- Bachelor of Applied Biology
- Bachelor of Food and Nutrition Science
- Bachelor of Science
- Bachelor of Science (Advanced)
- Bachelor of Science (Animal Science)
- Bachelor of Science (Biomedical Science)
- Bachelor of Science (Biotechnology)
- Bachelor of Science (Evolutionary Biology)
- Bachelor of Science (Laser Physics and Technology)
- Bachelor of Science (Marine Biology)
- Bachelor of Sciences (Mineral Geoscience)
- Bachelor of Science (Molecular Biology)
- Bachelor of Science (Molecular and Drug Design)
- Bachelor of Science (Nanoscience and Materials)
- Bachelor of Science (Natural Resources)
- Bachelor of Science (Space Science and Astrophysics)
- Bachelor of Science (Veterinary Bioscience)
- Bachelor of Viticulture and Oenology
- Honours degree of Bachelor of Science in High Performance Computational Physics

## Teaching
- Bachelor of Teaching with Bachelor of Arts
- Bachelor of Teaching with Bachelor of Economics
- Bachelor of Teaching with Bachelor of Mathematical and Computer Sciences
- Bachelor of Teaching with Bachelor of Science
How to apply
Applications to University of Adelaide undergraduate programs are made online via SATAC: www.satac.edu.au
The application closing date for 2016 entry is 30 September 2015. Bachelor of Medicine and Bachelor of Surgery, and Bachelor of Dental Surgery applicants should refer to the UMAT website for information on the Undergraduate Medicine and Health Sciences Admission Test, including application and test dates: umat.acer.edu.au
International students should refer to: international.adelaide.edu.au/apply

Entry pathways
There are many pathways applicants can take to apply to the University of Adelaide, including SACE, IB, STAT, TAFE, preparatory programs, foundation study and more. To find out more about the available pathways, visit www.adelaide.edu.au/study and select ‘Entry Pathways’ from the menu.

Fees and costs
In 2015, student contributions for Commonwealth supported students studying an equivalent full-time study load were as follows.

<table>
<thead>
<tr>
<th>Band</th>
<th>Disciplines</th>
<th>Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Band 1</td>
<td>humanities, behavioural sciences, social studies, foreign languages, visual and performing arts, education, nursing, clinical psychology.</td>
<td>$6,152</td>
</tr>
<tr>
<td>Band 2</td>
<td>computing, built environment, allied health, other health, engineering, surveying, agriculture, science, mathematics, statistics.</td>
<td>$8,768</td>
</tr>
<tr>
<td>Band 3</td>
<td>law, dentistry, medicine, veterinary science, accounting, administration, economics, commerce.</td>
<td>$10,226</td>
</tr>
</tbody>
</table>

These annual fees are indicative only as actual charges are determined at the course level based on the area of study. Fees may increase in 2016.

HECS Higher Education Loan
This program, known as HECS-HELP assists eligible students to pay their student contribution. Further information is available at: www.studyassist.gov.au

Scholarships
The University of Adelaide has a range of scholarships available to students from a variety of backgrounds and academic levels. Comprehensive information about scholarships, and how to apply, can be obtained by contacting us (refer below for details) or visiting the scholarships website: www.adelaide.edu.au/scholarships

Student Services and Amenities Fee
Students are charged an annual Student Services and Amenities Fee (SSAF) to assist with the funding of student services and amenities at the University. In 2015, the SSAF amount for full-time students was $281, and for part-time students it was $210. Eligible students may defer this fee to an SA-HELP loan. For further information about the SSAF and SA-HELP visit www.adelaide.edu.au/student/finance and select ‘Other Fees and Charges’.

Additional costs
Students may be required to pay for specialist equipment, reading materials, etc. Students are advised not to purchase any equipment until they receive their faculty/school handbook, available during orientation. For more information on other program-related fees and charges, visit www.adelaide.edu.au/student/finance and select ‘Other Fees and Charges’.

Bonus points
For 2016 entry, SATAC will centrally administer a new South Australian Universities Bonus Scheme. The two new schemes are the SA Universities Equity Scheme and the SA Language, Literacy and Mathematics Bonus Scheme. For more details, please visit www.adelaide.edu.au and search ‘bonus points’.

Program intake
Many undergraduate programs will allow students to begin study in February or July. Please refer to individual programs on Degree Finder (www.adelaide.edu.au/degree-finder) to check whether midyear entry is available. Where Degree Finder states ‘subject to availability’ applicants should contact Ask Adelaide (refer below for details) to check whether midyear entry is available.

Deferring your studies
Most undergraduate programs can be deferred for up to two years. Please refer to specific programs for exceptions. Music programs may not be deferred.

English language requirements for international students
All international students undertaking an Australian year 12 program are required to achieve a Pass grade or above in one of the approved English as a Second Language or English language subjects. If an applicant attempts, but does not pass, the English language subject then alternative options, such as an acceptable English language proficiency test result, may be arranged. Details of recognised subjects and recognised tests and requirements are available by visiting international.adelaide.edu.au/apply, selecting ‘Admissions Information’ from the menu, then ‘English Language Requirements’. Successful completion of the International Baccalaureate (IB) diploma meets the English language requirements of the University of Adelaide.

Permanent residency
International students who have studied an Australian year 12 program or the IB and expect to be granted Australian permanent residency before the commencement of their university study must contact the International Office. To contact the International Office for more information, visit international.adelaide.edu.au, select ‘About Us’ from the menu, then ‘International Office’ and ‘Enquire Now’.

Accommodation
The University understands that finding the right accommodation is important to successful study. For accommodation options and costs please visit: www.adelaide.edu.au/accommodation

Who to contact with any questions
Ask Adelaide’s friendly and skilled staff can address all program enquiries over the phone or online. If they do not have the answer enquirers will be referred to faculty/school/ discipline staff for expert advice.

Ask Adelaide
Phone: (08) 8313 5208
Free-call (outer Adelaide, SA and interstate only): 1800 061 459
Enquire online: www.adelaide.edu.au/student/enquiries

www.adelaide.edu.au
www.facebook.com/uniofadelaide
@uniofadelaide
www.youtube.com/universityofadelaide

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START AT THE TOP.

SOUTH AUSTRALIA’S LEADING UNIVERSITY.

The University of Adelaide is consistently ranked in the top 1% worldwide. With a growing range of entry pathways, scholarships and support for students, our aim is to ensure the leaders of tomorrow have the opportunity to excel. Wherever you come from, there’s always a place here. To find out more, visit adelaide.edu.au/study