With a degree from a university consistently ranked in the top 1% globally and a 140 year tradition of preparing tomorrow’s leaders, students will get a global career advantage. University of Adelaide students are highly regarded and professionally recognised around the globe. Students are well prepared to take advantage of the opportunities this recognition can bring. Working closely with our world-class teaching staff, they acquire the skills, knowledge and experience to make a significant contribution in their chosen field. Adelaide has a long and proud tradition that instils confidence in our students. We are Australia’s third oldest university and have a history of excellence in education spanning more than 140 years. We are distinguished by an emphasis on equality and by our ongoing focus on delivering outstanding research for the benefit of society. The University of Adelaide has played a role in many of the world’s important discoveries and advancements, with our alumni having contributed significantly to shaping the educational, political and social arenas of their day. With us, students are motivated to achieve their best and are supported by an inspiring educational community committed to helping them.
A coalition of Australia’s leading research-intensive universities.

Associated with 5 Nobel prize winners

Produced 109 Rhodes scholars

Produced 142 Fulbright scholars

Member of the Group of Eight*
Why Science?

Science graduates are perfectly equipped with the skills employers’ value and the flexibility to navigate our fast-paced world, in which a new career is always around the corner.

Unlimited careers

Studying science can take graduates almost anywhere. There are the traditional jobs most of us would readily associate with science; for example, being a researcher in a research institution seeking answers to any number of important questions, or working for organisations tasked with monitoring and testing everything from water quality through to blood samples left with a doctor. But non-traditional career paths will also open up to a science graduate.

Studying a science program with us is a solid foundation for a long and rewarding career in a number of sectors, including some students may not have even thought about, such as business and finance, education, and communications. In fact, thanks to the speed of technological innovation, the career opportunities go into as a science graduate in a few years’ time may not even exist yet. Just think about some of today’s technology, the smart phone, for example, did not exist a few short years ago and yet now drives entirely new industries.

This diversity of opportunity enables science graduates to adapt their careers rather than being locked into a specific vocational pathway; a very useful thing in the current and future employment market, in which graduates are expected to undertake three to five career (not just job) changes in their working life.

There are rewards for science graduates too. The median starting salary for science-related bachelor degree graduates is between $46,000 and $60,000 p.a. depending on the field of science studied1. The more students study, the more they earn, with starting PhD graduate salaries jumping to a median of between $78,000 and $90,000 p.a. depending on the field of study.

Studying science at the University of Adelaide also sets students up to succeed. Graduates from Group of Eight universities earn about 10% more over their lifetime2.

1 Source: Graduate Salaries, 2014 GCA
2 Mapping Australian Higher Education, 2014-15, Grattan Institute

Teaching led by research and innovation

Every student in the Faculty of Sciences benefits from our rich tradition of outstanding teaching and learning. The learning experiences we offer are based on cutting edge research, and our graduates are both career-ready and poised to make an impact on society because of this exposure to teachers who are themselves leaders in their field.

The Faculty of Sciences also focuses its curriculum on the 10 Big Questions of the future, such as climate change, biodiversity loss, feeding the world and food security. By providing our students with a more relevant curriculum, placing it in a context that everyone will understand and value, we aim to make the study of science more appealing and highly sought after as a pathway to a diverse range of careers.

In synergy with our 10 Big Questions, we’ve taken innovation to the next level with the use of mobile devices to create a more interactive and collaborative learning environment for undergraduate science students. This has allowed us to deliver outstanding online course content, provide a more flexible educational experience for the student, and implement a greater level of interactivity in the classroom.

Thanks to this initiative, our teaching material has become more accessible, relevant and more frequently updated—reducing printing demands and text book costs, and enabling the next generation of students to study anytime and anywhere. The Faculty of Sciences teaching staff are firmly committed to interactive learning that will provide a relevant curriculum for our students. Our degrees and initiatives such as these will evolve to suit their changing needs.

Support services

Studying at university can be exciting, but also challenging, with many new experiences and things to learn. That’s where our First Year Experience Program comes in. We want to make the transition as easy as possible, and that starts when students enrol. We provide face-to-face enrolment advice and support to get students off to a good start. The Faculty of Sciences Mentoring Program matches small groups of new students with a more seasoned science student who will stay in touch throughout their first semester for peer support.

And if students need help with their studies, we offer a range of drop-in services across the main first-year courses and participate in the Peer-Assisted Study Sessions (PASS) program, where students help other students to learn. Combined with the other University wide support services, there’s plenty of help on hand should students need it.

Adelaide Approved ATAR 75

A wide range of University of Adelaide degrees now have a pre-set entry score known as the Adelaide Approved score, instead of a cut-off that varies each year. For Adelaide Approved sciences programs* just meet the prerequisites, achieve a 75 ATAR or above (including bonus points if eligible) and you’re in. It’s simple, straightforward and takes the stress out of university entry. Students who think they may score under 75, however, shouldn’t stress. There are still opportunities to study science at Adelaide.

For more details visit www.adelaide.edu.au and search “adelaide approved”.

* There are some exceptions.

Check the website for full details.
This diary snapshot is only one example of how a student may choose to schedule their university study and 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.

**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.
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. Wiru Yarlu provide a range of services, schemes and preparation programs that are designed to support your desire to gain educational outcomes. Wiru Yarlu is a place where students can soar to new heights.
www.adelaide.edu.au/wiru-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.
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 degrees provide a unique close quarters learning experience with academics of international distinction.
www.adelaide.edu.au/degree-finder

**Fit uni into life**
This diary snapshot is only one example of how a student may choose to schedule their university study and 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.
<table>
<thead>
<tr>
<th>Degree programs</th>
<th>Prerequisites SACE Stage 2 subjects</th>
<th>Recommended SACE Stage 2 background (assumed knowledge)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of:</td>
<td>None, unless students wish to major in Chemistry or Physics in which case the following Level 1 (first year) prerequisites apply. Chemistry major: Chemistry. (It is possible to follow a Chemistry major without meeting the prerequisite but it is dependent on students' Level 1 university results.) Physics major: Physics, Mathematical Methods* and Specialist Mathematics</td>
<td>Chemistry, Mathematical Methods* and Physics</td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science (Advanced)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor of:</td>
<td>Two subjects chosen from: Biology, Chemistry, Geology, Physics, Scientific Studies, General Mathematics, Mathematical Methods*, Specialist Mathematics, Agriculture and Horticulture, Agricultural and Horticultural Science or Nutrition. Only one Mathematics subject can be counted.</td>
<td>Chemistry, Mathematical Methods* and Physics</td>
</tr>
<tr>
<td>Science (Mineral Geoscience)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor of:</td>
<td>Chemistry and one of: Biology, Geology, Physics, Scientific Studies, General Mathematics, Mathematical Methods* or Specialist Mathematics, Agriculture and Horticulture, Agricultural and Horticultural Science or Nutrition.</td>
<td>Mathematical Methods* and Physics</td>
</tr>
<tr>
<td>Science (Biomedical Science)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor of:</td>
<td>Mathematical Methods* and Chemistry</td>
<td>Physics</td>
</tr>
<tr>
<td>Science (Veterinary Bioscience)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor of:</td>
<td>Mathematical Methods* and Chemistry</td>
<td></td>
</tr>
<tr>
<td>Science (Biotechnology)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor of:</td>
<td>Mathematical Methods* and Chemistry</td>
<td></td>
</tr>
<tr>
<td>Science (Space Science and Astrophysics)</td>
<td>Mathematical Methods*, Specialist Mathematics and Physics</td>
<td>None</td>
</tr>
<tr>
<td>Bachelor of:</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Agricultural Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor of:</td>
<td>None</td>
<td>Chemistry and Mathematical Methods*</td>
</tr>
<tr>
<td>Science (Wildlife Conservation Biology)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor of:</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>
## Indicative study to career pathways

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Degree programs</th>
<th>Potential career pathways</th>
<th>Indicative study to career pathways</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Agriculture</strong></td>
<td>Bachelor of: Agricultural Sciences, Applied Biology, Science (Animal Science), Science (Veterinary Bioscience), Viticulture and Oenology, Science/Bachelor of Teaching</td>
<td>Agricultural consultant, Agronomist, Animal health officer, Animal welfare, Animal/Veterinary technician, Catchment management, Ecologist, Environmental consultant, Environmental project officer</td>
<td>Grower, Horticulturist, Journalist, Park management officer, Product development coordinator, Quarantine officer, Plant biotechnologist, Resource manager</td>
</tr>
<tr>
<td><strong>Biology</strong></td>
<td>Bachelor of: Agricultural Sciences, Applied Biology, Food and Nutrition Science, Science, Science (Advanced), Science (Animal Science), Science (Biomedical Science), Science (Biotechnology), Science (Marine Biology), Science (Veterinary Bioscience), Viticulture and Oenology, Science/Bachelor of Teaching</td>
<td>Agricultural consultant, Agronomist, Animal health officer, Animal/Veterinary technician, Biologist, Clinical scientist, Conservation biologist, Diagnostic technician, Embryologist, Environmental biologist</td>
<td>Environmental remediation officer, Food scientist, Food technologist, Forensic scientist, Life scientist, Marine biologist, Medical research scientist, Meteorologist, Neuroscientist, Nutritionist</td>
</tr>
<tr>
<td><strong>Chemistry</strong></td>
<td>Bachelor of: Agricultural Sciences, Food and Nutrition Science, Science, Science (Advanced), Science (Biomedical Science), Science (Biotechnology), Science (Marine Biology), Science/Bachelor of Teaching</td>
<td>Analytical chemist, Bioinformatics, Biotechnologist, Environmental consultant, Environmental remediation officer, Environmental project officer</td>
<td>Food scientist, Food technologist, Forensic scientist, Geochemist, Materials scientist, Nanotechnologist, Nutritionist, Pharmaceutical scientist, Research scientist, Soil scientist, Marine biologist, Research scientist, Resource manager</td>
</tr>
<tr>
<td><strong>Environmental Science</strong></td>
<td>Bachelor of: Science, Science (Advanced), Science (Ecotourism), Science (Marine Biology), Science (Wildlife Conservation Biology)</td>
<td>Analytical chemist, Biodiversity assessment officer, Conservation biologist, Ecologist</td>
<td>Environmental consultant, Environmental project officer, Environmental remediation officer, Environmental scientist, Environmental scientist</td>
</tr>
<tr>
<td><strong>Geology</strong></td>
<td>Bachelor of: Science, Science (Advanced), Science (Mineral Geoscience)</td>
<td>Engineering geologist, Environmental geologist, Mine geologist</td>
<td>Mineral exploration, Petroleum exploration, Petroleum geologist, Resource manager</td>
</tr>
<tr>
<td><strong>Physics</strong></td>
<td>Bachelor of: Science, Science (Advanced), Science (High-Performance Computational Physics)(Honours), Science (Space Science and Astrophysics), Bachelor of Science/Bachelor of Teaching</td>
<td>Biophysicist, Climate and ecosystem modeller, Communications analyst, Computational physicist, Computing specialist, Defence industry scientist</td>
<td>Environmental scientist, Meteorologist, Petrophysicist, Remote sensing scientist, Research scientist, Space scientist, Space systems analyst</td>
</tr>
</tbody>
</table>
The Bachelor of Science (Advanced) is a flexible and rewarding degree that provides an unique opportunity to discover, develop and apply your special interests.
Areas of specialisation include majors in:
> Biomedical Sciences
> Chemical Sciences
> Earth Sciences
> Evolutionary Biology and Ecology
> Physics
> Soil Science
> Spatial Information Science.

The skills employers want
Science students learn a number of transferable skills that are in demand in a wide range of careers, not just those in traditional scientific fields. These skills include analytical methods, critical thinking and problem-solving, information technology and literacy skills, teamwork, initiative and the ability to communicate and cooperate with people from a range of backgrounds and expertise.

So, students may be surprised to find that the top five industries of employment for students who graduate with a science-related major here in Australia are business services; education; government; health, medical and pharmaceutical; and information and communications technology.*

* Source: Australian Graduate Survey, 2008 GCA.

Double, combined and concurrent degrees
Sciences can be studied successfully with other degrees to broaden the scope of students’ career paths. Options include:
> Bachelor of Arts with Bachelor of Science
> Bachelor of Laws and Bachelor of Science
> Bachelor of Teaching with Bachelor of Science

Students who successfully complete a combined degree have both degrees listed on the one parchment. Concurrent studies may be an option for students who would like to study a second degree that has not already been packaged with their first degree of choice. There are a number of double and combined undergraduate degree options available. For more details visit: www.adelaide.edu.au and search double degree.

Further study options
If students want to go on to further studies, or perhaps pursue a research qualification, these programs are excellent preparation for a range of further study options. These include honours and higher degrees by research in their chosen science discipline, or graduate studies in areas such as nutrition, medicine, chiropractic, physiotherapy, pharmacy and teaching.

* Bachelor of Science (Advanced) has an Adelaide Approved score of 95.
Bachelor of Science

SATAC CODE
314581

DURATION
3 years full-time (or part-time equivalent)

ATAR
65.2

IB SCORE
24

CAMPUS
North Terrace

ADELAIDE APPROVED
75

PREREQUISITES
None, unless applicants wish to major in Chemistry or Physics, in which case the following apply:

- To major in Chemistry:
  SACE Stage 2 Chemistry.
- To major in Physics:
  SACE Stage 2 Physics, Mathematical Methods* and Specialist Mathematics. It is possible to follow a Chemistry major without the Chemistry prerequisite, but it is dependant on a student’s Level 1 university results.
* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

ASSUMED KNOWLEDGE
- SACE Stage 2 Chemistry
- Mathematical Methods*
- Physics

adelaide.edu.au/degree-finder
Search science

The Bachelor of Science degree is ideal for students who enjoy and are inspired by the breadth of science. It provides the most flexibility due to its diverse range of course offerings from a number of disciplines. In the first year level, students enrol in a combination of courses that prepares them to follow pathways through to major study areas in third year.

Science students learn a number of transferable skills including: analytical methods, laboratory and field techniques, information technology skills, teamwork, initiative and the ability to communicate and cooperate with people from varied backgrounds and expertise. These are highly sought after skills that are useful in a wide range of careers and are not limited to scientific areas.

Indicative study plan

Level 1
Core course:
- Science or Fiction
Additional courses chosen from the areas of:
- Biology
- Chemistry
- Geology
- Physics

Level 2
Courses chosen from the following areas depending on choice of major:
- Biochemistry
- Environmental Biology
- Genetics
- Geology
- Microbiology
- Chemistry
- Physics
- Soil and Water

Level 3
One major chosen from the following:
- Biochemistry
- Chemistry
- Ecology
- Evolutionary Biology
- Geology
- Geophysics and Applied Geology
- Genetics
- Microbiology and Immunology
- Palaeontology
- Physics
- Theoretical Physics
- Soil Science

Or a double major from:
- Ecology and Spatial Science
- Experimental and Theoretical Physics
- Chemistry
- Palaeontology (Evolution)
- Palaeontology (Geology)

Double or combined degrees
Double or combined degrees are available with:
- Bachelor of Teaching
- Bachelor of Arts
- Bachelor of Engineering (Honours) (Chemical, Civil and Environmental, Civil and Structural, Electrical and Electronic, Mechanical, Mechanical and Aerospace, Mining and Petroleum)
- Bachelor of Laws.

Career readiness
Science graduates gain a wide range of skills that can lead to a variety of careers in:
- business
- the defence industry
- environmental sciences
- government departments
- hospitals and health organisations
- intellectual property
- laboratory research and development
- management
- minerals and energy
- the oil and gas industry
- research
- private industry and consulting
- sales and consultancy
- science communication, journalism
- teaching and lecturing
- universities.
Bachelor of Science (Advanced)

SATAC CODE 324651
DURATION 3 years full-time (or part-time equivalent)

ATAR 95
IB SCORE 35

CAMPUS North Terrace
ADELAIDE APPROVED 95

PREREQUISITES
None, unless applicants wish to major in Chemistry or Physics, in which case the following apply:

• To major in Chemistry: SACE Stage 2 Chemistry.
• To major in Physics: SACE Stage 2 Physics, Mathematical Methods* and Specialist Mathematics.

It is possible to follow a Chemistry major without the Chemistry prerequisite, but it is dependent on a student’s Level 1 university results.

* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

ASSUMED KNOWLEDGE
• SACE Stage 2 Chemistry
• Mathematical Methods*
• Physics

ADDITIONAL ENTRY REQUIREMENTS
Year 12 applicants must obtain an Australian Tertiary Admissions Rank (ATAR) of 95 or higher (or equivalent).

adelaide.edu.au/degree-finder
Search science + advanced

The Bachelor of Science (Advanced) (BSc (Advanced)) is designed for high-achieving students who wish to develop their knowledge and understanding of science, with a strong emphasis on research skill development.

This program provides students with the early opportunity to participate in the academic and research culture of the scientific areas they are most interested in, while still providing the choice and flexibility of a Bachelor of Science.

BSc (Advanced) students participate in program specific courses that will introduce topics on processes, communication and methods used in science research. Students will also participate in structured research activities and seminars, normally only available to honours and postgraduate students.

In addition lab attachments and a semester long research placement will provide breadth of experience. These activities will allow associations with academic staff in major research areas, providing early access to research laboratories/projects that can be further developed for an honours year and postgraduate study (Masters or PhD).

To remain in this highly competitive program, students must maintain a minimum Grade Point Average (GPA) of 5 throughout their candidature. Similarly, students who attain a predetermined GPA will automatically be eligible for a place in the BSc (Hons) program upon completion of the BSc (Advanced).

Indicative study plan

Level 1:
Core course
> Principles and Practice of Research (Advanced) I

Non-core courses chosen from a range of science offerings that complement a student’s interests and build towards two science majors listed below.

Level 2:
Core course
> Principles and Practice of Research (Advanced) II;

Non-core courses chosen from a range of science offerings and that maintain study in the area of two science majors listed below.

Level 3:
Core course
> Principles and Practice of Research (Advanced) III;

Non-core courses chosen from a range of science offerings that complete the study required to achieve one science major chosen from the following:
> Biochemistry
> Evolutionary Biology
> Chemistry
> Ecology
> Geology
> Genetics
> Geophysics and Applied Geology
> Microbiology and Immunology
> Palaeontology
> Physics
> Theoretical Physics
> Soil Science.

Or a double major from:
> Chemistry
> Ecology and Spatial Science
> Experimental and Theoretical Physics
> Geology, Geophysics and Applied Geology
> Palaeontology (Evolution)
> Palaeontology (Geology)

Note: The double major ‘Geology, Geophysics and Applied Geology’ is only available to BSc (Advanced) students.

In the BSc (Advanced) there is a strong emphasis on advanced research training to give students the best chance of becoming a professional scientist.

Science students learn a number of transferable skills that are also in demand in a wide range of careers. These skills include analytical methods, critical thinking and problem solving, laboratory and field techniques, information technology and literacy skills, teamwork, initiative and the ability to communicate and cooperate with people from a range of backgrounds and expertise.

Graduates of the BSc (Advanced) are also well prepared for a range of further study options. These include honours and higher degrees by research in their chosen science discipline or graduate studies in areas such as nutrition, medicine, chiropractic, physiotherapy, pharmacy and teaching.

Career readiness
The BSc (Advanced) has a strong emphasis on advanced research training to give students the best chance of becoming a professional scientist. Dependent on their choice of major, some of the many careers available to graduates include:
> analytical chemist
> cancer researcher
> environmental scientist
> food and wine producer
> food scientist
> food technologist
> geneticist
> geologist
> hydrologist
> laboratory technician
> marine biologist
> meteorologist
> mineral exploration scientist
> nanotechnologist
> natural resource manager
> neuroscientist
> oceanographer
> oil and gas analyst
> palaeontologist
> physicist
> plant breeder
> research and development officer
> science teacher
> scientific journalist
> scientific researcher
> toxicologist.
I have had the chance to work with leading industry professionals and the chance to discover what my true passions are.

Claire Dixon
Bachelor of Applied Biology
Degrees in the Agricultural, Food and Wine Sciences combine theoretical learning with a healthy dose of practical, hands-on application; ideal for those looking for a strong connection with industry throughout their training.

See the big picture
The School of Agriculture, Food and Wine provides a world-class concentration of scientific research and education at the Waite campus. Degrees in the school connect scientific excellence with relevance, so students always know the practical applications of their learning.

The extensive international network of academic and commercial collaborators provides a stimulating and unique environment for student training. By being exposed to the latest technologies and learning from leaders in their respective research fields, graduates are able to enter the workforce with confidence and awareness of the latest research developments, enabling them to ‘see the big picture’. This explains why more than 95% of graduates from the school are employed within 12 months of graduation.

Waite campus
Waite campus is located on 174 hectares in the Adelaide foothills with a view to the sea and the city, just 15 minutes from North Terrace by car or bus. The campus includes the internationally renowned Waite Research Institute, Waite Arboretum, Urrbrae House Historic Precinct and Waite Conservation Reserve. In addition to the School of Agriculture, Food and Wine, Waite campus is home to a number of co-located research partners.

The University of Adelaide staff and students work with people from these organisations, providing a unique opportunity to gain practical and theoretical knowledge through participation in ongoing national and international research projects. Waite campus is a centre for excellence in molecular plant breeding, horticulture, viticulture, oenology, integrated pest management, weed management and soil and water management.
## Bachelor of Agricultural Sciences

<table>
<thead>
<tr>
<th>SATAC CODE</th>
<th>ADELAIDE APPROVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>324561</td>
<td>75</td>
</tr>
</tbody>
</table>

**CAMPUS**

Waite and Roseworthy

**DURATION**

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

**ASSUMED KNOWLEDGE**

- SACE Stage 2 Chemistry
- Mathematical Methods*

* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

The Waite and Roseworthy campuses are recognised as centres of excellence in agricultural science. While the majority of the degree is based at the Waite campus, education in livestock production and the practical component of agronomy is based at the Roseworthy campus. This reputation underpins the Bachelor of Agricultural Sciences degree, which trains students in the physical, biological, technological and economic bases of modern agricultural systems. The degree is designed to demonstrate how scientific and economic principles are applied to manage agricultural systems and the natural resources on which these systems depend.

### Career readiness

Graduates are highly sought after for positions in a range of rural industries including consulting in the livestock and cropping industries, banking and research as well as related areas in natural resource management. Employment opportunities include those in:

- advisory and regulatory services
- agricultural and business consulting
- agricultural production
- agronomy
- banking and rural finance
- managing commercial enterprises
- journalism, communication and marketing
- research and technical work
- secondary, tertiary and vocational education.

### Industry placement

A professional work placement of 12 weeks (approximately 450 hours in total) is required for the Bachelor of Agricultural Sciences degree. This should be undertaken during the University vacation periods. Students should commence this work placement by the start of their second year of study.

---

## Bachelor of Applied Biology

<table>
<thead>
<tr>
<th>SATAC CODE</th>
<th>ADELAIDE APPROVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>324851</td>
<td>75</td>
</tr>
</tbody>
</table>

**CAMPUS**

North Terrace

**DURATION**

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

**ASSUMED KNOWLEDGE**

- SACE Stage 2 Chemistry
- Mathematical Methods*

* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

The Bachelor of Applied Biology at the University of Adelaide offers a unique combination of theoretical learning and professional practice in the discipline of applied biology. The degree focuses on both biological knowledge and the multitude of ways in which biology contributes to employment and productivity. Offering a unique student experience, the program includes the opportunity for a full semester of overseas study at a University of Adelaide priority partner institution and a semester of placement within a relevant industry, government or research organisation.

### Career readiness

Graduates of the degree can expect to find employment in many organisations and industries in which biological knowledge and practices are used, including:

- research institutes and laboratories
- biotechnology companies
- agricultural and environmental organisations
- food and beverage technology
- government and regulatory offices
- intellectual property management.

### Industry placement

Students undertake 300 hours of industry or research placement, developing solutions to real world problems. Flexible options allow students to complete placement in a block or single days over time.

Opportunities also exist for students to undertake a full semester of overseas study at a University of Adelaide priority partner institution such as North Carolina State University, the University of Nottingham, or any approved university.

---

## Bachelor of Food and Nutrition Science

<table>
<thead>
<tr>
<th>SATAC CODE</th>
<th>ADELAIDE APPROVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>314761</td>
<td>75</td>
</tr>
</tbody>
</table>

**CAMPUS**

North Terrace, Waite and Regency Park

**DURATION**

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

**ASSUMED KNOWLEDGE**

- SACE Stage 2 Chemistry
- Mathematical Methods*

* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

This degree provides students with skills and knowledge in food science and human nutrition. Students will learn how to design, formulate, produce and package every day and specialty foods with specific functional and nutritional properties. They will learn the importance of developing a sustainable, nutritious and healthy food supply and complete a placement in the food industry or a nutrition/health related organisation. A pre-diabetes pathway is included in the program.

### Career readiness

A wide range of career opportunities exist in the food industry, government and non-government organisations, including:

- quality control and auditing, nutritional advice and support, new product development, marketing and labelling, research in both food science and nutrition areas and public health nutrition.

Our graduates secure roles with ample opportunities for career progression into management and leadership positions including:

- food technologist, technical officer or manager
- laboratory assistant or manager
- marketing manager, product development assistant
- quality assurance officer, supervisor or manager
- food scientist/researcher
- research student (honours and PhD).

### Professional accreditation

Graduates of the Bachelor of Food and Nutrition Science degree are eligible to apply for registration as an associate nutritionist with the Nutrition Society of Australia, and graduate membership of the Australian Institute of Food Science Technology.
Bachelor of Viticulture and Oenology

<table>
<thead>
<tr>
<th>SATAC CODE</th>
<th>ADELAIDE APPROVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>324611</td>
<td>75</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ATAR</th>
<th>IB SCORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.4</td>
<td>24</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAMPUS</th>
<th>DURATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waite</td>
<td>4 years full-time (or part-time equivalent)</td>
</tr>
</tbody>
</table>

ASSUMED KNOWLEDGE

- SACE Stage 2 Chemistry
- Mathematical Methods*

* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

Throughout this degree, there is an emphasis on the key technical methods and sensory skills (wine tasting and evaluation) required for a career in viticulture and oenology. Students completing this four-year degree will qualify as both a viticulturist and winemaker (oenologist).

Career readiness

Employment opportunities exist for graduates in wine and related industries, directing and developing winemaking and viticultural practices including:

- viticultural management
- winemaking and winery management
- food and beverage technology
- hospitality and tourism.

adelaide.edu.au/degree-finder
Search viticulture + wine making
Biomedical Sciences is a challenging and enlightening degree that opens us to a wide variety of research opportunities. I’m naturally a curious person and I realised that research was the way to go.
The School of Biological Sciences has a world-class concentration of scientific expertise and facilities and offers high quality undergraduate degrees in many biological fields, both through the named degree programs listed in the following pages and through many of the majors in the BSc and BSc (Advanced) degrees.

World expertise
Teaching in the biological sciences is underpinned by the research strengths of the school, providing students with the very latest knowledge and learning the cutting edge techniques used in their field. Students are well equipped to continue into an honours program and further research training, such as a masters degree or PhD.

Health and disease
Our students are taught by world-class researchers about the understanding and pursuit of potential cures for major diseases such as cancer while exploring how biological processes function at a molecular level. Students can learn about the manufacture of biological molecules, and how through gene technology genes may be manipulated in beneficial ways.

The natural world
Studies in courses and degrees with a focus on the natural world enable students to investigate the diversity of life on earth and the relationships between organisms and their environments. Students learn about soils, plants and animals, their ecology, conservation and management, physiology and evolution, including those in terrestrial, freshwater and marine systems. Fieldwork and the study of South Australian ecosystems are important components of many later-year courses.
Bachelor of Science (Biomedical Science)

SATAC CODE 314091
ATAR 72.15
IB SCORE 25

DURATION 3 years full-time (or part-time equivalent)
CAMPUS North Terrace
ADELAIDE APPROVED

PREREQUISITES
SACE Stage 2: Chemistry plus one of Physics, Mathematical Methods*, Specialist Mathematics, General Mathematics, Biology, Geology, Scientific Studies, Agriculture and Horticulture, Agricultural and Horticultural Science or 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 Methods*
• Physics

Search acadelaide.edu.au/degree-finder

This degree focuses on the biomedical aspects of biology, including the normal and abnormal function of the human body. The emphasis is on modern biomedical knowledge and research approaches used to gain that knowledge. Students are taught by world-class biomedical researchers and experienced educators, and have the opportunity to pursue a research project as an introduction to modern biomedical research.

Areas of specialisation
- Biochemistry
- Genetics
- Microbiology and Immunology.

Career readiness
Graduates have the knowledge and experience appropriate for commencing a career in biomedical research, including in hospital laboratories, research institutes, universities or private companies. It is common for graduates to continue their research training by enrolling in a Master of Philosophy or honours program. Many graduates have successfully used this degree as a pathway towards further study in graduate entry medicine or allied health programs. Graduates of this program are likely to be found as scientists in:
- clinical or research laboratories
- biomedical, biotechnology and pharmaceutical industries.

Bachelor of Science (Biotechnology)

SATAC CODE 314691
ATAR 74.55
IB SCORE 25

DURATION 3 years full-time (or part-time equivalent)
CAMPUS North Terrace
ADELAIDE APPROVED

PREREQUISITES
SACE Stage 2: Mathematical Methods* and Chemistry.
IB: Mathematics (SL grade 4/HL grade 3) and Chemistry (SL grade 4/HL grade 3).

* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

Search acadelaide.edu.au/degree-finder

The modern biotechnology field is constantly evolving. It uses many current technologies such as protein production and purification, genomics and combinational chemistry to produce foods, drugs and other products.

The Bachelor of Sciences (Biotechnology) provides training in both the molecular basis for biotechnology and the bioprocess technology required for the development of biotechnology products.

The program is based around the recognised research strengths of the University of Adelaide in molecular biology, animal, plant and microbial biotechnology, structural biology and bioprocess engineering. It provides students with a unique cross disciplinary approach, which incorporates expertise from the Faculty of Sciences and the Faculty of Engineering, Computer and Mathematical Sciences.

Areas of specialisation
- Biochemistry
- Genetics

Career readiness
Employment opportunities exist for graduates in:
- biomedical biotechnology, medical diagnostics and vaccine discovery
- development of genetically modified organisms
- ethics and regulatory organisations
- innovative and laboratory research science
- management of biotechnology, industries and enterprises
- patent law (with appropriate qualifications)
- pharmaceutical industries
- plant and animal breeding and improvement.

Bachelor of Science (Marine Biology)

SATAC CODE 324431
ATAR 66
IB SCORE 24

DURATION 3 years full-time (or part-time equivalent)
CAMPUS North Terrace
ADELAIDE APPROVED

ASSUMED KNOWLEDGE
• SACE Stage 2 Chemistry
• Mathematical Methods*

* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

Search acadelaide.edu.au/degree-finder

Marine biology is all about the largest and most diverse ecosystem on the planet – the sea. It is strange that our planet is named Earth when most of it is sea, and stranger that many graduates train in tropical seas when the bulk of jobs are in temperate (Antarctic to sub-tropical) seas. Most of Australia’s population lives on temperate coasts. For this reason, we prepare graduates for work on these coasts by demonstrating the problems and needs facing marine industry and conservation.

Students of this degree have access to staff who are nationally and internationally acclaimed for research excellence. There is also a strong emphasis on providing students with field experience. Students use the same equipment that is used in pioneering research across the northern and southern hemispheres. This degree prepares graduates for careers in marine biology via training in the use of coherent, logical procedures and rigorous experimental planning for practical work in the field and laboratory. There is demand for people with these skills in temperate marine biology.

Career readiness
Employment opportunities exist for graduates in:
- conservation groups
- consultancy firms
- councils
- environmental protection agencies
- state governments
- university research laboratories
- water authorities.

Job requirements may include:
- collecting data and resources by SCUBA and boats
- managing fisheries and coastal planning
- monitoring climate change and water quality
- policy formation and creating marine protected areas.
The Bachelor of Science (Wildlife Conservation Biology) offers students the core scientific knowledge and practical skills required for challenging careers in wildlife conservation and biodiversity management. This degree focuses on the practical application of science to solving the many urgent and confronting issues in wildlife conservation. Students emerge with a solid biological foundation on which they superimpose training in the ecology and management of wildlife in natural as well as human-altered environments.

Career readiness
Graduates of the degree will be prepared for careers in the growing numbers of sectors and organisations that employ wildlife conservation practitioners and researchers, including:

- environmental consultancies for businesses in the primary industry sector
- non-government conservation and wildlife organisations
- government and regulatory offices
- academic research and teaching institutions.
I chose Adelaide because of the science facilities available and reputation of the university. I enjoy the learning community at this university, and engaging with my peers on a daily basis.

Sarah Watzdorf
Bachelor of Science majoring in Physics
The School of Physical Sciences enhances our understanding of the physical world through observations, experiments and theory in the core disciplines of Chemistry, Earth Sciences and Physics. We conduct world leading research, which directly contributes to the undergraduate experience.

Preeminent student experience
Our school’s scientists collaborate with a wide variety of national and international universities and cutting edge international projects, and bring this experience into the classroom. Our degrees equip students for a wide range of science and non-science careers. Students develop deep discipline specific knowledge as well as the skills required for graduate-level employment. Critical thinking, complex and creative problem-solving, active learning, and interpersonal skills are developed through classroom, laboratory, and field experiences, with academics who are passionate about sharing their experience and love of science.

Chemistry
Chemists in the school undertake research on:
> the structure and reactivity of molecules
> the development of novel materials for a wide range of applications
> medicinal chemistry
> applications of chemistry to environment problems
> the development of renewable energy resources and storage devices.

Earth Sciences
Geologists and geophysicists in the school investigate our planet—from its surface, through to its crust and deep mantle—using rocks that outcrop on the surface, boreholes and geophysical remote sensing. Our research focuses on continental evolution, bio-geoscience, near-surface geophysics, earthquake science, regolith geoscience and mineral exploration.

Physics
Physicists in the school conduct research in:
> the structure of sub-atomic matter
> the development of novel optical and photonic systems for a wide range of applications
> medical physics and geophysics
> the investigation of the atmosphere using a network of sites that stretch from the equator to the Antarctic
> the investigation of the structure of the universe and extreme astrophysics.

* Except B.Science (High Performance Computational Physics)(Honours) which has an Adelaide Approved score of 90.
Bachelor of Science (High Performance Computational Physics)(Honours)

SATAC CODE: 324171
ATAR: 81.55
IB SCORE: 28
CAMPUS: North Terrace
ADELAIDE APPROVED: 90

PREREQUISITES
SACE Stage 2: Mathematical Methods*, Specialist Mathematics and Physics.
IB: Mathematics (HL grade 3) and Physics (SL grade 4/HL grade 3).
* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

adelaide.edu.au/degree-finder
Search high + physics

This degree introduces students to the sophisticated high-performance computing techniques required for the solution of high-level problems in theoretical, computational and mathematical physics. Students will be able to develop skills to program parallel supercomputers using state-of-the-art computer languages, and gain the mathematical and computational skills necessary to solve challenging problems at the forefront of physics.

Career readiness
Employment opportunities exist for graduates in:
- banking
- climate and ecosystem modelling
- defence organisations
- econophysics
- government organisations
- industry and financial organisations
- physics
- scientific computing
- scientific data analysis
- universities.

Bachelor of Science (Ecotourism)

SATAC CODE: 324981
ATAR: new program
IB SCORE: 25
DURATION: 3 years full-time (or part-time equivalent)
CAMPUS: North Terrace
ADELAIDE APPROVED: 75

The greatest need for ecotourism growth in Australia is to produce graduates who can interpret and communicate their understanding of a landscape and its inhabitants. Graduates of this program will have the skills to develop content, tours and interpretive material that describe the natural environment and support visitor enjoyment. The scientific expertise of graduates will allow them to recognise and evaluate the potential of future ecotourism areas and advise government, industry and the broader community.

Career readiness
Ecotourism is an exciting and emerging area with employment opportunities nationally and internationally in local, state and national government, major tourism bodies, the private sector, as well as opportunities to establish your own consultancy or tourism business.

Our graduates will have the skills to work as ecotourism experts to recognise and evaluate the potential of future geo and nature based tourism areas.

Bachelor of Science (Mineral Geoscience)

SATAC CODE: 324551
ATAR: 66.45
IB SCORE: 24
DURATION: 3 years full-time (or part-time equivalent)
CAMPUS: North Terrace
ADELAIDE APPROVED: 75

adelaide.edu.au/degree-finder
Search mining + geoscience, geology

This degree is for students interested in the areas of science that relate to Earth’s mineral resources - their nature, origin, distribution, discovery and exploitation. This is the degree for students who want an interesting, well-paid and diverse career, with opportunities to travel all over the world. The Bachelor of Science (Mineral Geoscience) integrates and extends courses in geology and geophysics, mining engineering, geography and environmental studies, chemistry, mathematics and physics. A key feature of this degree is the extensive field-work. The degree is also specifically designed to meet the need for high-calibre graduates in the mineral resources sector. In addition, this degree is strongly geared towards preparing students for entry into the honours degree in Geology.

Career readiness
Employment opportunities exist for graduates in:
- environmental geoscience industries
- geology or geophysics
- geothermal exploration industries
- government agencies
- mineral exploration industries worldwide
- remote sensing and computer imaging.
Bachelor of Science (Space Science and Astrophysics)

**SATAC CODE**
324101

**DURATION**
3 years full-time (or part-time equivalent)

**ATAR**
79.1

**IB SCORE**
27

**CAMPUS**
North Terrace

**ADELAIDE APPROVED**
75

**PREREQUISITES**
SACE Stage 2: Physics, Mathematical Methods*, Specialist Mathematics.
IB: Mathematics (HL grade 3) and Physics (SL grade 4/HL grade 3).
* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

Space science and astrophysics explores our universe from the upper atmosphere of the earth to the most distant regions. This underpins much of the academic and technological research into astronomy, studies of the solar system and the practical use of space.

It is important in improving our knowledge of the universe as a whole, and in enabling us to understand the environment within which space vehicles, and planet Earth, must operate.

**Career readiness**
Employment opportunities exist for graduates in space and astrophysical research, as well as physics, including high technology research and development through:
- defence agencies
- government (Bureau of Meteorology)
- national space agencies
- research institutes
- universities.

[adelaide.edu.au/degree-finder](https://www.adelaide.edu.au/degree-finder)
Search space + astrophysics
Animal and Veterinary Sciences

Taylor Hawkins
Bachelor of Science (Veterinary Bioscience)

“The degree is based on the Roseworthy campus where there are multiple functioning animal production farms for students to gain firsthand experience in a practical learning environment.”
The School of Animal and Veterinary Sciences has a strong student focus, with cutting edge veterinary and animal sciences degrees aimed at educating students for careers across a wide range of animal-based disciplines.

**Roseworthy campus**

Roseworthy campus, where the latter years of both the animal and veterinary science degrees are primarily taught, is 50 km north of the Adelaide CBD.

The campus is part of a 1600 ha property, which includes a working farm—on which students gain practical experience and training—as well as four Veterinary Health Centres, providing first-opinion and world-standard specialist services to the public, and further real-world experience for Doctor of Veterinary Medicine students.

These facilities, along with on-campus accommodation and recreation facilities, make Roseworthy a vibrant and exciting centre for undergraduate teaching, postgraduate training and clinical service.

**Applications for Veterinary Bioscience**

In addition to the standard application process and meeting the degree admissions criteria, students wishing to apply for the veterinary science degree—which begins with the Bachelor of Veterinary Bioscience and is followed by a three-year postgraduate Doctor of Veterinary Medicine degree (Masters by Coursework (Extended))—must also submit written responses to a questionnaire.

The questionnaire offers applicants an opportunity to describe their knowledge and interest in animals, their passion for animals and animal industries, experiences of working with animals and their life experiences. Selection for the interview process will be based on the assessment of the prescribed questionnaire.

For further details about additional requirements and selection criteria for this degree, refer to Entry Requirements in Degree Finder: www.adelaide.edu.au/degree-finder

---

Adelaide Approved* ATAR

Internationally recognised

Median graduate starting salary

Graduate employment

Graduates work across different fields

* Not applicable for B.Science (Veterinary Bioscience).
Bachelor of Science
(Animal Science)

SATA CODE: 324141
DURATION: 3 years full-time (or part-time equivalent)
ATAR: 71.5
IB SCORE: 25
CAMPUS: North Terrace and Roseworthy

ASSUMED KNOWLEDGE
• SACE Stage 2 Chemistry
• Mathematical Methods*
  * If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

This degree offers a broad range of animal science courses that cover wildlife, livestock, horses, companion animal and laboratory animal species. This degree focuses strongly on the practical skills used in the area of animal science.

Career readiness
Employment opportunities exist for graduates in the following areas:
• animal science professionals in government agencies
• livestock and agricultural management
• livestock production and nutrition
• private companies
• zoos and animal welfare organisations.

Industry placement
Students within the Animal Science degree are encouraged to undertake work placements in relevant industries.

Bachelor of Science
(Veterinary Bioscience)

SATA CODE: 324491
DURATION: 3 years full-time
ATAR: minimum academic threshold is 90
IB SCORE: minimum academic threshold of 31
CAMPUS: North Terrace and Roseworthy

PREREQUISITES
SACE Stage 2: Mathematical Methods*, Chemistry.
IB: Mathematics (SL grade 4/HL grade 3) and Chemistry (SL grade 4/HL grade 3).
* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

ADDITIONAL ENTRY REQUIREMENTS
Applicants must complete a written questionnaire and undergo an interview (if offered). Applicants will also be required to acknowledge their understanding of the Inherent Requirements and Vaccination Guidelines. These documents can be found under “useful links” by searching this program on Degree Finder:
www.adelaide.edu.au/degree-finder

ASSUMED KNOWLEDGE
SACE Stage 2 Physics

Veterinary Science at the University of Adelaide has a unique focus on Australian livestock production, equine health, aquaculture and biosecurity and involves input from a range of partner institutions, government agencies and industry.

This bachelor degree forms the first part of the veterinary science program. It is followed by a three-year postgraduate Doctor of Veterinary Medicine program (Masters by Coursework (Extended)), focusing on the clinical skills required for veterinary practice. Students satisfactorily completing the undergraduate degree and 12 weeks of Animal Husbandry Extra Mural Studies (AHEMS) will gain direct entry into the postgraduate program.

Following successful completion of the bachelor degree, it is expected that students will continue on to the postgraduate coursework Doctor of Veterinary Medicine program (Masters by Coursework (Extended)).

Following accreditation, students completing the entire six-year program will be eligible for registration as veterinarians. Students may, however, leave the veterinary program following successful completion of the bachelor degree.

Career readiness
Employment opportunities exist for graduates from the bachelor degree in:
• government agencies
• livestock and agricultural management
• livestock production and nutrition
• private companies
• zoos and animal welfare organisations.

Professional accreditation
At the University of Adelaide, the veterinary science program is comprised of two degrees: the Bachelor of Science (Veterinary Bioscience) and the Doctor of Veterinary Medicine (Masters by Coursework (Extended)). To practise as veterinarians, students must complete both degrees (six years in total).

The veterinary science program at the University of Adelaide has been granted accreditation by the Australasian Veterinary Boards Council (AVBC), the Veterinary Surgeons’ Board of Hong Kong and the Royal College of Veterinary Surgeons (UK).

Graduates from the Masters by Coursework (Extended) degree are eligible for registration as veterinarians in all states and territories of Australia, New Zealand, South Africa, Singapore, the United Kingdom and Hong Kong. In order to meet these professional expectations, graduates must be able to demonstrate their ability to perform various animal handling, manipulative, therapeutic and diagnostic techniques.

Students will be expected to travel to locations and the capacity to drive would be an advantage.
Related Degrees

Bachelor of Health and Medical Sciences

SATAC CODE 324951
ATAR 70.25
IB SCORE 25
DURATION 3 years full-time (or part-time equivalent)
CAMPUS North Terrace
ADELAIDE APPROVED 80

adelaide.edu.au/degree-finder Search health

The Bachelor of Health and Medical Sciences is a diverse and flexible degree that prepares students to tackle the major health issues facing the world today. With a unique selection of courses that draw from all the health sciences disciplines, the degree is ideal for students who are fascinated by the human body and who wish to develop a broad range of relevant, transferable and highly sought-after skills suited to a variety of careers in health. Developed in consultation with industry partners, this innovative degree offers flexible online and part-time study options.

Students can choose to focus their studies on their interests with majors available in Clinical Trials, Medical Sciences, Neurosciences, Addiction and Mental Health, Nutritional Health, Public Health, and Reproductive and Childhood Health. A year-long research placement provides practical hands-on experience, and overseas study opportunities are available to increase understanding of global health issues.

Graduates of the Bachelor of Health and Medical Sciences are well-equipped to improve the health of individuals and populations across a range of roles in research, government, business and community health settings; as well as being ready for further study or research.

The degree offers majors in one of two streams.

The Medical Health stream offers majors in:
- Clinical Trials
- Medical Sciences
- Neurosciences.

The Lifespan Health stream offers majors in:
- Addiction and Mental Health
- Nutritional Health
- Public Health
- Reproductive and Childhood Health

Bachelor of Computer Science

SATAC CODE 314111
DURATION 3 years full-time (or part-time equivalent)
ATAR 70.1
IB SCORE 25
CAMPUS North Terrace
ADELAIDE APPROVED 80

adelaide.edu.au/degree-finder Search computer

The Bachelor of Computer Science caters for students with specific interests in computer science and/or information technology. It has a core suite of compulsory computer science courses and a wide range of electives, including mathematics and statistics. Additionally, students can take electives in other disciplines, including commerce, economics, engineering, finance, humanities and social sciences, or science. Students can tailor their degree to guide them towards a particular career, which may include computer graphics, database and information systems management, network management and software engineering.

The degree produces highly skilled, adaptable graduates who are able to design computer-based solutions to address information management and processing problems in industry, commerce, science, entertainment and the public sector.

Bachelor of Mathematical Sciences

SATAC CODE 324421
ATAR 85.6
IB SCORE 30
ADELAIDE APPROVED 80
CAMPUS North Terrace

DURATION 3 years full-time (or part-time equivalent)
PREREQUISITES SACE Stage 2: Mathematical Methods* and Specialist Mathematics
IB: Mathematics (HL grade 3).
* If Stage 2 studies were undertaken prior to 2017, the equivalent subject was known as Mathematical Studies.

adelaide.edu.au/degree-finder Search mathematics

This degree has been specifically designed for those seeking the high level of mathematical and statistical training required in today’s high technology workplaces. It provides a structured pathway through the study of the mathematical sciences at Levels I, II and III. The first year provides a foundation of mathematics and statistics and the second year further develops these skills. In third-year students are able to select a specialisation in pure mathematics, applied mathematics or statistics. Mathematical sciences courses provide valuable training in rigorous, logical thinking and mathematical sciences knowledge. High achieving students may undertake an additional year of study leading to an Honours Degree of the Bachelor of Mathematical Sciences. An honours qualification is highly valued by employers and is suitable preparation for students who wish to proceed to postgraduate studies. The honours year includes a major project.

Bachelor of Liberal Arts and Sciences

SATAC CODE 324941
ATAR 66.3
IB SCORE 24
DURATION 3 years full-time (or part-time equivalent)
CAMPUS North Terrace
ADELAIDE APPROVED 70

adelaide.edu.au/degree-finder Search arts + liberal

The Bachelor of Liberal Arts and Sciences allows the study of both society and science, and the interactions between them to prepare students for a range of careers in policy, government, communication, business, and industry. With a core drawn from Science, History, English, Philosophy and Aboriginal Studies students examine the construction, transmission, and critique of scientific and other forms of knowledge, and their ethical and social impacts. Rather than simply a combination of two independent degrees, this three year single degree offers a distinct interdisciplinary approach. It allows students to take a major and/or a minor and, for the more adventurous, the opportunity to co-create a study pathway under the guidance of an experienced academic.

Key to this program is the final year Science and Society capstone course and the Liberal Arts and Sciences internship, taught collaboratively by the Faculties of Arts and Sciences.

Students are strongly encouraged to go on exchange as part of their study, and the program has particularly strong links with the Bachelor of Liberal Arts and Sciences offered by the University of Freiburg, one of the University of Adelaide’s priority international partners.

Career readiness

Careers can include:
- business and industry
- education officer
- policy
- public relations and communications
- science journalist.
Come and explore firsthand what it’s like to study at SA’s leading university.

Open Day has a wealth of information and experiences for future students and their family, and gives you opportunity to find the degree that inspires you.

Attend information talks to learn about studying at University and the degrees we offer.

Get involved with interactive activities and chat with current students and academic staff about your interests.

Explore our vibrant campus and discover beautiful spaces the mix of modern and historical buildings and fascinating exhibitions.

www.adelaide.edu.au/openday
Undergraduate degree 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 degrees, visit: www.adelaide.edu.au/degree-finder

Architecture, Business and Law

Bachelor of Architectural Design
Bachelor of Commerce
Bachelor of Economics
Bachelor of Economics (Advanced)
Bachelor of Finance
Bachelor of Finance (International)
Bachelor of Innovation and Entrepreneurship
Bachelor of Laws

Arts

Bachelor of Arts
Bachelor of Arts (Advanced)
Bachelor of Criminology
Bachelor of Environmental Policy and Management
Bachelor of International Development
Bachelor of International Studies
Bachelor of Languages
Bachelor of Liberal Arts and Sciences
Bachelor of Media
Bachelor of Music
Bachelor of Social Sciences
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
Diploma in Arts
Diploma in Languages
Diploma of Music

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) (Mechatronic)
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

Health

Bachelor of Dental Surgery
Bachelor of Health and Medical Sciences
Bachelor of Health and Medical Sciences (Advanced)
Bachelor of Medicine and Bachelor of Surgery
Bachelor of Nursing
Bachelor of Oral Health
Bachelor of Psychological Science

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 (Ecotourism)
Bachelor of Science (High Performance Computational Physics) (Honours)
Bachelor of Science (Marine Biology)
Bachelor of Sciences (Mineral Geoscience)
Bachelor of Science (Space Science and Astrophysics)
Bachelor of Science (Veterinary Bioscience)
Bachelor of Science (Wildlife Conservation Biology)
Bachelor of Viticulture and Oenology
Applying to the University of Adelaide

How to apply
Applications to University of Adelaide undergraduate programs are made online via SATAC:
www.satac.edu.au

The application closing date for 2018 entry is 29 September 2017. 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:
www.international.adelaide.edu.au/apply

Entry pathways
There are many pathways applicants can take to apply to the University of Adelaide, including SACE, International Baccalaureate (IB), STAT, TAFE and other Registered Training Organisations (RTOs), some preparatory and foundation studies programs, 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 2017, student contributions for Commonwealth supported students studying an equivalent full-time study load were as follows:

Band 1: humanities, behavioural sciences, social studies, foreign languages, visual and performing arts, education, nursing, clinical psychology $6,349

Band 2: computing, built environment, allied health, other health, engineering, surveying, agriculture, science, mathematics, statistics $9,050

Band 3: law, dentistry, medicine, veterinary science, accounting, administration, economics, commerce $10,596

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 2018.

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 2017, the SSAF amount for full-time students was $294, and for part-time students it was $220. Fees may increase in 2018. 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
SATAC centrally administer two South Australian Universities Bonus Schemes. The two 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 degrees will allow students to begin study in February or July. Please refer to individual degrees 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
All undergraduate degrees can be deferred for up to two years.

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 www.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 International Admissions. To contact International Admissions for more information, visit www.adelaide.edu.au

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

Disclaimer
The information in this publication is current as at the date of printing and is subject to change. Updated information can be found on the University website: www.adelaide.edu.au or contact the University on (08) 8313 7335 (or free-call 1800 061 459).
The University of Adelaide assumes no responsibility for the accuracy of information provided by third parties. CRICOS 00123M © The University of Adelaide. Published 2017

More information
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

@uniofadelaide
@uniofadelaide
@uniofadelaide

Applying to the University of Adelaide 29
OPPORTUNITY AWAITS