2025

Get a great future

THE UNIVERSITY of ADELAIDE

150 YEARS

GROUP OF EIGHT AUSTRALIA

make history.

" Don't ask yourself 'what do I want to be when I grow up?' Instead, ask yourself 'what problem do I want to solve?' And then ask yourself what education or skills you need to do this."

Jaime Casap

Sometimes deciding what to do after school isn't easy.

Whether or not you know the careers you are interested in, there are important decisions to make in order to give yourself the best opportunities for your future.

This guide can help you decide what subjects to study at high school and then at university.

Adelaide University

A new university for South Australia launches in January 2026. Keep up-to-date and discover more at **adelaideuni.edu.au**

THE UNIVERSITY
of ADELAIDE

How to use this guide

1 **Think of subjects that interest you**

- Think about what school subjects you enjoy or are good at. Using the interest areas key (at the bottom of pages 4-25) identify the categories and corresponding icons that your preferred subjects fall under.

2 **Use the subjects to pick careers**

- Scan the A-Z careers listing, starting on page 4. Each career title includes at least one interest area icon; look for career titles with icons that match the interest areas you chose in Step 1.
- Make a shortlist of possible careers for yourself.

3 **Use the careers to pick degrees**

- The qualifications column identifies the University of Adelaide degrees that can lead to the careers you are interested in. If there are a few careers that interest you, look for degrees that are common across them to maximise your career possibilities.
- Check the advantages of going to university on the opposite page, and remember many careers require you to have a relevant degree.

> **Remember**, there are many pathways into university, other than your Selection Rank. While this publication focuses on subject choices for career pathways, it's important to be aware of alternative pathways into certain degrees. Learn more adelaide.edu.au/study/undergraduate/entry-pathways

4 **Look up degrees for what you study at school**

- If you are interested in a few different degree options from Step 3, you can look them up in our *Study at Adelaide* publication to see if there are any specific subjects you need to study beforehand in year 11 and 12. If so, they will appear under 'Prerequisite subjects' and 'Assumed knowledge' (if you're unsure what these terms mean, see *University jargon* section opposite). The publication will also give you an idea on the Selection Rank needed to get into a degree.
- Download a copy of the *Study at Adelaide* guide adelaide.edu.au/publications/future-students/undergraduate
- Explore more detailed information about our degree options adelaide.edu.au/degree-finder

5 **Write your shortlist of degrees**

- Take the time to write down your shortlist of degrees to investigate further:

_____

_____

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Advantages of studying at university

$68k
Average undergraduate starting salary in 2022*

88.3%
Overall employment rate for undergraduates*

$91.6k
Average postgraduate starting salary in 2022*

93.3%
Overall employment rate for postgraduates*

Advantages of studying at the University of Adelaide

Top 100 ranked global university
2024 QS World University Rankings; 2023 US News Best Global University Rankings.

#1 for graduate employability in South Australia
2022 QS Graduate Employability Ranking.

•State-of-the-art facilities
Including the most technologically advanced health simulation facility in Australasia, Extraterrestrial Environmental Simulation Laboratory (EXTERRES), 3D prototyping lab, VR suites and more.

University jargon

Undergraduate degree The first degree you study at university. Undergraduate degrees are often referred to as bachelor degrees.

Postgraduate degree The degree you study at university following on from successful completion of your undergraduate degree. Normally referred to as a masters degree but can also be a graduate certificate or graduate diploma

Prerequisites Year 12 subjects you must study in order to be eligible for entry into a degree. For example, Mathematical Methods, Specialist Mathematics and Physics are required for most engineering degrees.

Assumed knowledge Year 12 subjects that are highly desirable when studying a degree, but are not required for admission.

Major The main area of study in your degree that you choose to specialise in.

Minor An area of study in your degree that you choose to focus on less than your major.

Double degree An approved combination of two degrees that can be studied at the same time. At the end of a double degree a student graduates with two qualifications, one for each degree. Studying a double degree will usually only take students one or two years longer than a single degree: less time than it would take to study the two degrees one after the other.

For more university specific terms: adelaide.edu.au/study/glossary

Quality Indicators for Learning and Teaching (QILT), Graduate Outcomes Survey, 2022.

Steps to success

Ready to make history? Your journey starts here.

Step 1

Explore your study options

Researching your study options is an important first step, and there are many different tools and resources available to help you. You could start by reading through this booklet or heading online to explore our Degree Finder website.

Attending an Open Day is another great way to get a feel for what university life is like, talk to lecturers and current students, and learn about the range of services available to support you during your university studies. You could also book a time to chat with one of our friendly advisors to ask any specific questions you may have.

> **Helpful tip:** *We've developed a range of useful resources to help you throughout your Year 12 studies including: workshops, study resources, revision courses and more. See the helpful links section below for more information.*

Step 2

Check you meet the eligibility and entry requirements

All degrees have entry requirements—these are specific criteria you have to meet in order to be eligible for entry into a degree. Each degree will have different entry requirements, so it's important to find out what these are for your chosen degree and make sure you can meet them.

Entry requirements can include things like:

- prerequisites you will need to complete either during your high school (SACE/IB) studies, bridging courses or approved alternatives.
- assumed knowledge subjects that, while not essential for admission into a degree, will help prepare you for many of the topics you'll come across during your degree.
- non-standard entry requirements, such as: attending an interview, undertaking additional assessments (e.g. the UCAT ANZ), performing an audition, submitting a written statement or creative portfolio.

Useful links

Academic year dates
adelaide.edu.au/student/dates/academic

Academic support
adelaide.edu.au/student/academic-skills/

Chat with an advisor
future.ask.adelaide.edu.au/#contact-us

Degree Finder
adelaide.edu.au/degree-finder

Resources for Year 12
adelaide.edu.au/schools/resources-for-year-12s

SATAC
satac.edu.au

Scholarships
adelaide.edu.au/scholarships

Student support services
adelaide.edu.au/student/life/

Step 3

Apply via SATAC

Applications open in early August for study starting in the following year. You can apply for your chosen degree/s through the SATAC website.

Before you apply, it's a good idea to familiarise yourself with the application process. This includes things like key dates and deadlines for applications, as well as SATAC fees and charges and when to pay.

For more information, visit the SATAC website.

> **Please note:** *for certain degrees that have non-standard entry requirements— such as medicine, dentistry, oral health, veterinary bioscience—key dates and deadlines for applications may differ. For the most up-to-date information, visit Degree Finder.*

Step 4

Keep your preferences up to date

As part of your SATAC application, you'll be asked to list up to six preferences—these are the six degrees you are most interested in studying. SATAC makes offers by working down your preference list, so it's important to make sure your first preference is the degree you want to study most.

If you change your mind after you've submitted your application, don't worry.

SATAC allows you to check and change your preferences as many times as you want before the cut-off date for your specific offer round. For a list of key dates, visit SATAC's website.

Helpful tip: Be sure to include some 'back up' options on your application. If you need support in choosing the best back up options or pathways into your dream degree, get in contact with our friendly future student advisors.

Step 5

Check your offer

SATAC run several smaller offer rounds, one main offer round, then continue to make offers in the lead up to the start of the study period you applied for. SATAC makes offers for the highest preference you are eligible for. This means the degree you most want to study should be your first preference. Remember to check all email folders—including your Spam folder—for your offer.

Helpful tip: Didn't receive an offer for your first preference? Don't stress—you'll still be considered for future rounds!

Step 6

Accept your offer

An offer email will be sent to the email address you provided on your SATAC application. If you have received an offer you don't need to respond, as SATAC will accept the offer on your behalf. If you would like to defer your offer until the following year, you will need to log in to your application through the SATAC website and change the response to the 'Defer' option.

If the offer you received was for a degree that is not your first preference, SATAC will accept the offer but note that you would still like to be considered for an offer to your higher preference(s).

Step 7

Welcome to the University of Adelaide!

After accepting your offer, we'll send you an email outlining important information to help you get started at University, including your new University ID number.

At this stage, you can start to plan your timetable, enrol, attend orientation activities, and begin your university journey!

Welcome to the University of Adelaide!

A–Z list of careers

Please note that the interest areas represented by the key across the bottom of the pages are not prerequisite school subjects. For more information about the prerequisite school subjects that are required for various qualifications please visit adelaide.edu.au/degree-finder and search for your degree(s) of interest.

Career title	Qualification (Bachelor of)	Examples of work and employer
Academic	Any relevant degree	University graduates can begin as a lecturer in their chosen specialisation with many opportunities to progress with further study.
Accountant	• Commerce	The practice of accounting comprises financial accounting and management accounting. Financial accounting is focused on external reporting and auditing functions. Management accounting is concerned with providing information for planning and controlling decisions within organisations. Employment fields include taxation, computerised accounting and auditing.
Actor	• Music Theatre	Actors interpret a role to portray a character in a theatre, film, television or radio production. Often actors start their careers in smaller productions, in advertisements, at theme parks, with touring companies, or as extras on television shows or films.
Actuary	• Mathematical and Computer Sciences • Mathematical Sciences	Actuaries assess and monitor the financial position of clients' superannuation funds and assess risks involved in setting the level of insurance premiums. Opportunities exist in consulting firms in Australia and overseas.
Administrative officer	Any relevant degree	Administrative officers may work in large organisations, assisting managers and coordinating business activities. Examples include hospitals, universities, publishing houses, unions and employer organisations.
Advertising manager	• Arts • Business • Commerce • Media (various specialisations) • Psychological Science • Psychology (Advanced)(Honours)	Advertising managers organise and supervise the development of creative and consistent advertising campaigns. They do this by establishing project goals, minor project status and work with other employees, depending on the company size. Employment is available in advertising agencies as account managers, media buyers and planners, copywriters and designers.
Aerospace engineer	• Engineering (Honours)(Mechanical)	Aerospace engineers are involved in the development and use of new technologies and materials that are relevant to any high-tech industry, including the aeronautical, space and defence industries.
Aerospace scientist	• Science • Science (High Performance Computational Physics)(Honours) • Science (Space Science and Astrophysics)	Aerospace scientists work in industry and government laboratories on topics related to aerospace and development.
Agricultural consultant	• Agricultural Sciences • Science (Animal Science) • Viticulture and Oenology	Assist and advise farmers, agricultural and rural industries, and government on the production, processing and distribution of farm produce. Employers include government and semi-government agencies, commercial enterprises, mining companies and horticultural/wool industries.
Agricultural scientist	• Agricultural Sciences • Science (Animal Science) • Viticulture and Oenology	Involves research on breeding, nutrition and disease resistance of plants and animals. Agricultural scientists may assist farmers in planning and monitoring agricultural activities.
Agronomist	• Agricultural Sciences	Agronomists study agricultural crops and soils, and help develop new crop hybrids and varieties. They may work in water management and land use. Employers include banks, farm co-ops, seed suppliers and government agencies.
Aircraft professional	• Engineering (Honours)(Electrical and Electronic) • Engineering (Honours)(Mechanical)	Aircraft companies employ engineers to maintain the safety of the aircraft, passengers and crew. Different types of engineers design and build the aircraft of the future.

Interest areas key: Visual and performing arts   Design and technology   English   Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Air-traffic controller	• Science (High Performance Computational Physics)(Honours) • Science	Air-traffic controllers maintain the safe and orderly flow of air traffic. They must have quick and reliable numeric and computational skills, excellent spatial awareness and visualisation, and be highly organised. Employment opportunities exist in flight service stations, military, defence forces, government departments and private air-traffic control companies.
Analytical chemist	• Health and Medical Sciences • Science	Chemists test products and materials, and prepare specifications and standards to ensure compliance with government health laws. They undertake research and analysis to test theories, techniques and processes. Employers include universities, governments, industry, hospitals and medical research bodies.
Animal behaviouralist	• Science (Animal Behaviour) • Science (Animal Science) • Science (Veterinary Bioscience) • Veterinary Technology	Animal behaviouralists look at the causes, functions, development and evolution of animal behaviour. They assess animal behaviour and make recommendations for treatment. Employers include government and private institutions, zoos, conservation groups, museums, universities and research institutions.
Animal health officer	• Science (Animal Science) • Science (Veterinary Bioscience) • Science (Honours)	Employees in this area aim to protect and improve the health of a range of animal species in a wide variety of settings. Employment can be found with governments, councils and zoos.
Animal scientist	• Agricultural Sciences • Science • Science (Animal Behaviour) • Science (Animal Science) • Science (Veterinary Bioscience)	Animal scientists conduct experiments in controlled breeding or in embryo manipulation. They investigate nutritional values of different feeds and environmental conditions necessary to improve productivity and quality. Employers include universities, governments, agricultural bodies and industry.
Animal/veterinary technician	• Science (Animal Behaviour) • Science (Animal Science) • Science (Veterinary Bioscience) • Veterinary Technology	Veterinary technicians conduct clinical and laboratory procedures such as medical testing, treatment and diagnosis of medical conditions and diseases, administering medication, and providing specialised nursing care. Employers include private clinics, animal hospitals and research facilities.
Animation artist	• Computer Science • Mathematical and Computer Sciences • Media	This is a highly creative, very competitive industry with careers in the fields of multimedia, television, movie, cartoon, telecommunications and the Internet. Designers develop software to enable games, movies and TV to move to higher quality animation. Employers include visual effects studios, both in Australia and overseas, television stations and game developers.
Architect	• Architectural Design*	Following additional postgraduate study, graduates may be employed as architects, landscape architects, urban designers/planners, project managers, digital designers, conservation consultants, construction managers or building scientists.
Architectural engineer	• Engineering (Honours)(Civil) • Engineering (Honours)(Architectural and Structural)	Architectural engineers design the engineering systems associated with buildings. This includes planning, design, construction and operation with an emphasis on sustainability, architectural and structural design and geotechnical engineering.
Archivist	• Arts	Archivists analyse and document records, and develop systems for their safekeeping. Employers include government, councils, universities, banks, schools and some large commercial companies.
Astronomer	• Science • Science (Space Science and Astrophysics)	Astronomers observe objects in space from Earth's surface and via satellites using specialised telescopes. They may design and attach equipment to telescopes and spacecraft, and will also investigate the solar system. Employers include the Australia Telescope National Facility, the Australian Astronomical Observatory and universities.
Astrophysicist	• Science • Science (Space Science and Astrophysics)	Astrophysicists study physical properties and phenomena of celestial bodies. Graduates may be employed by observatories or universities.
Auditor	• Commerce • Finance and Banking • Science	Auditors work for accounting firms, consultants and large government departments, checking the financial dealings of individuals and organisations.
Automotive engineer	• Engineering (Honours)(Electrical and Electronic) • Engineering (Honours)(Mechanical)	Automotive engineering is not just making cars go fast—it also involves designing safer and more efficient motor vehicles. Graduates may work in the automotive industry, government or research.

💬 Language   ➕ Mathematics   ⚗ Science   🌲 Society and environment   *Plus postgraduate study*

Career title	Qualification (Bachelor of)	Examples of work and employer
Avionics engineer	• Engineering (Honours)(Electrical and Electronic) • Engineering (Honours)(Mechanical)	Avionics engineers design, create, operate and maintain complex electronic systems found in modern aircraft. These systems are responsible for flight control, radio and satellite navigation, safe landing, collision avoidance, engine management and communications, amongst other functions. They may seek employment in the defence, aviation, telecommunications, automotive and energy industries.
Banker	• Commerce • Economics • Finance and Banking • Mathematical and Computer Sciences • Philosophy, Politics and Economics	Major financial institutions around Australia and overseas require graduates with varied backgrounds—e.g. agriculture, mathematics, economics, physics or computer science—to assist with the analysis of various financial problems.
Barrister	• Laws*	Barristers represent people in the higher courts of law. A barrister's role is to plead cases before civil, criminal and industrial courts and other tribunals.
Biochemist	• Health and Medical Sciences • Science • Science (Biomedical Science)	Biochemists study chemical processes that occur within individual cells, or digestion and growth, involving whole organisms. They undertake chemical analysis using sophisticated instruments and techniques. They may work in scientific research institutes, hospitals or medical research institutes and biotechnology companies.
Biodiversity assessment officer	• Environmental Policy and Management • Marine and Wildlife Conservation • Science	Biodiversity assessment officers protect, manage and enhance the local environment. They are employed in government and non-government sectors; national parks and wildlife; conservation groups and mining companies.
Biomedical engineer	• Engineering (Honours)(Electrical and Electronic) • Engineering (Honours)(Mechanical) • Engineering (Honours)(Chemical)	Biomedical engineers create devices and systems for medical diagnosis, treatment and research. They may work in scientific and medical research institutions, biotechnology and pharmaceutical companies, health services and hospitals.
Biomedical scientist	• Biotechnology • Biotechnology (Honours) • Health and Medical Sciences • Medical Studies and Doctor of Medicine • Science	Graduates work in genetics, biochemistry, stem cell research, systems biology, molecular biology of cancer, cancer screening, diagnosing HIV, or as microbiologists/virologists. Graduates also work in a wide variety of biomedical research careers. They can be at the frontier of biological research and development of vaccines. Graduates can work in management, patent law and intellectual property, biological ethics and regulation. They may work with healthcare professionals or be employed in management, research, education and specialised laboratory work.
Biophysicist	• Biotechnology (Honours) • Science (Biomedical Science) • Science	Biophysicists study and research physical principles of living cells and organisms, their electrical and mechanical energy, protein behaviour and related phenomena. Employers include government and university research laboratories, hospitals, science museums and a range of processing, manufacturing and research and consulting firms.
Biotechnologist	• Biotechnology • Engineering (Honours)(Chemical) • Science • Science (Biomedical Science)	Biotechnologists apply scientific and engineering principles and practices to develop new biological products and processes, and develop genetically modified micro-organisms, plants and animals. They may be employed in pure research, bioinformatics, industrial applications in the food and pharmaceutical industries or the production of alternative fuels. With additional training they may become managers of biotechnology enterprises, patent attorneys, intellectual property managers or bioethicists.
Biotechnology engineer	• Engineering (Honours)(Chemical)	Firms employ graduates to design processes to more efficiently and effectively produce new medicines for the community. Graduates may also work in research in government agencies or laboratories.
Botanist	• Agricultural Sciences • Science • Science (Honours)	Botanists study the biology of plants to increase and apply scientific knowledge in areas such as conservation and management of natural resources, agriculture, forestry, horticulture, medicine and biotechnology. They are employed by universities, research organisations and industry.

Interest areas key: ✎ Visual and performing arts   💡 Design and technology   📖 English   ⊕ Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Business analyst/ consultant	• Applied Data Analytics • Arts • Business • Commerce • Economics • Finance and Banking • Mathematical and Computer Sciences • Mathematical Sciences • Philosophy, Politics and Economics • Sociology	Graduates may be required to analyse business problems from a political or economic viewpoint and assist in solving these problems. They are often employed by government or industry groups.
Business manager	• Business • Economics • Finance and Banking • Health and Medical Sciences • Mathematical and Computer Sciences • Mathematical Sciences • Philosophy, Politics and Economics	Consulting firms use graduates with economics, finance, health economics, mathematical and computer science backgrounds as part of their problem-solving teams. Graduates use business data to extract information useful to businesses in their decision-making processes.
Business/corporate lawyer	• Business with Laws* • Commerce with Laws* • Economics with Laws* • Laws*	Lawyers provide advice, write documents and conduct negotiations on legal matters, and may represent clients in court and tribunal proceedings. Graduates may be required to research and provide legal opinion on various business options.
Campaign organisers	• Business • Commerce • Health and Medical Sciences • International Development • International Relations • Media • Sociology	A challenging career where graduates work on a variety of strategies to build financial and volunteer support, and marketing for campaigns.
Catchment management officer	• Agricultural Sciences • Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions) • Environmental Policy and Management • Science	Graduates evaluate land use options, water allocation strategies and trade-offs, and identify river systems at risk of environmental contamination. They are employed by government agencies (e.g. CSIRO), universities, mining companies and community organisations.
Change manager	• Arts • Business • Health and Medical Sciences • Project Management • Psychological Science • Sociology	Change managers help organisations and people to manage the transition of change initiatives to promote organisational development.
Chemical engineer	• Engineering (Honours) (Chemical)	Chemical engineers design, develop and operate process systems for the extraction, transformation and recovery of materials. The scale of operation varies from small to very large. A principal feature of chemical engineering is the translation of laboratory-scale research results to large-scale commercial production. Chemical engineering is the discipline that sustains and improves a range of industries as diverse as food processing, petrochemicals, ceramics, petroleum refining, primary metals, plastics, biotechnology, pharmaceuticals, glass and specialty chemicals.
Chemist	• Science	Chemists study and apply the physical and chemical properties of substances to determine their composition, develop new substances, processes and products, and increase scientific knowledge. They may work in government, industrial, university and hospital laboratories, or food processing firms.
Choreographer	• Music Theatre	Choreographers plan and arrange dance movements and patterns, and then teach dancers how to perform them. Often the choreographer will be involved in the selection of dancers for a performance as they have a clear ideas of the artistic style of the work.
City/town planning engineer	• Engineering (Honours)(Architectural and Structural) • Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions)	Local governments employ graduates to ensure the infrastructure of new developments is of sufficient size and standard for the people or industries that will utilise the facilities. Engineers also help plan and maintain the infrastructures of towns.

⬯ Language   ⊞ Mathematics   ⚗ Science   🌲 Society and environment   *Plus postgraduate study*

Career title	Qualification (Bachelor of)	Examples of work and employer
Civil engineer	• Engineering (Honours)(Architectural and Structural) • Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions)	Civil engineers work on designing transportation systems, creating innovative and safe designs for buildings and bridges, and infrastructures such as dams and water supply systems. Graduates are employed by consulting firms, construction companies, government and large companies.
Climate and ecosystem modeller	• Engineering (Honours)(Environmental and Climate Solutions) • Mathematical Sciences • Mathematical and Computer Sciences • Science • Science (High Performance Computational Physics)(Honours)	Climate and ecosystem modellers design, develop, implement, test and maintain climate and ecosystem models. Employers include meteorological services, universities, and national and international research laboratories.
Clinical studies coordinator	• Health and Medical Sciences • Nursing • Science	Clinical studies coordinators monitor and analyse clinical activities to identify issues, variances, and conflicts. Employers include hospitals, medical laboratories and research institutes.
Coastal engineer	• Engineering (Honours)(Architectural and Structural) • Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions)	Graduates may be employed to design harbours, jetties, wharves and sea walls. They are involved in schemes to protect sensitive coastal environments and maintain the use of these areas for shipping, infrastructure and recreational use.
Commodities/ futures trader	• Commerce • Economics • Finance and Banking • Mathematical and Computer Sciences • Mathematical Sciences • Science (High Performance Computational Physics)(Honours)	Trading commodities and futures on the stock exchange requires high-level analytical and problem-solving skills. Graduates often work for firms that do this trading.
Communications analyst	• Business • Commerce • Media	Communication analysts design, test, evaluate and research communications systems and processes. Employers include government and non-government sectors.
Communications officer	• Arts • Business • Commerce • Health and Medical Sciences • Languages • Media • Psychological Science • Science	Graduates may write speeches, publications, online materials, press releases, newsletters or magazine articles. They can work in both private and government sectors and across all industry types.
Community services officer	• Criminology • Health and Medical Sciences • Psychological Science • Psychology (Advanced)(Honours) • Sociology	Community services officers work in a variety of areas, such as psychology, rehabilitation and social work. They may also be involved in helping clients with counselling as well as issues, leading and organising community group activities. Graduates may be employed in child and adult support agencies or community health centres.
Composers	• Music (Classical Performance) • Music (Creative Practice) • Music (Jazz Performance)	Composers create music for films, television, radio and TV commercials and performers.
Computational scientist	• Computer Science • Engineering (Honours)(Software) • Mathematical Science • Mathematical and Computer Science • Science (High Performance Computational Physics)(Honours)	Computational scientists solve complex, multi-faceted problems in the environmental, financial, mining, manufacturing, health and defence industries.
Computer graphics specialist	• Computer Science • Engineering (Honours)(Software) • Mathematical and Computer Sciences • Media • Science (High Performance Computational Physics)(Honours)	Computer graphics specialists use computers and other related technologies to manipulate and create electronic graphics and animations. Graduates are well prepared for technical careers in worldwide fields as diverse as computer game development, defence, film post-production, science, engineering and medical visualisation.
Computer hardware engineer	• Engineering (Honours)(Electrical and Electronic) • Engineering (Honours)(Software)	Companies are constantly trying to improve their hardware designs. Graduates are employed to design new computer circuits and integrate computer systems into microelectronic devices.

Interest areas key: 🖊 Visual and performing arts   💡 Design and technology   📖 English   ⊕ Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Computer programmer	• Computer Science • Mathematical and Computer Sciences • Media • Science (High Performance Computational Physics)(Honours)	Computer programmers are employed by a variety of industries such as government agencies and large private enterprises. They work on a variety of tasks from building simple software solutions to designing and implementing web pages and other complex programming solutions.
Computer scientist	• Computer Science • Engineering (Honours)(Software) • Mathematical and Computer Sciences • Science (High Performance Computational Physics)(Honours)	Computer scientists design computer-based solutions to address information management and processing problems in industry, commerce, science, entertainment and the public sector. Areas of work may include defence, software development, telecommun-ications, business data processing, engineering design, financial software, graphics and games programming, network management and support, systems analysis and Internet commerce.
Computer systems engineer	• Engineering (Honours)(Electrical and Electronic) • Engineering (Honours)(Software)	Computer systems engineers use their skills to write software, install and manage computer networks, plan projects or manage people involved in these activities.
Conductor	• Music (Classical Performance)	Conductors work with orchestras or may be employed in universities.
Conservationist	• Arts • Engineering (Honours)(Environmental and Climate Solutions) • Environmental Policy and Management • Marine and Wildlife Conservation • Science • Science (Animal Science)	Graduates are employed to protect/preserve natural resources, usually by planned management, to prevent depletion, destruction and/or extinction. Employment is available in government, universities and the private sector.
Construction manager	• Construction Management • Engineering (Honours)(Civil) • Project Management	Construction managers oversee building and civil engineering projects from planning to completion to ensure they are delivered on time, within budget, and at a level of quality, to satisfy stakeholders. Employment may be with contractors, developers, government agencies, project management consultants and engineering consultants.
Coroner	• Laws	A coroner confirms and certifies the death of an individual; they conduct or order an investigation into the manner or cause of death and investigate or confirm the identity of an unknown person. Graduates are typically employed by state and federal government health departments.
Counsellor	• Arts • Health and Medical Sciences • Psychological Science • Psychology (Advanced)(Honours) • Sociology	Counsellors provide information on vocational, relationship, social and educational difficulties and issues, and work with people to help them to identify and define their emotional issues. Employers include private practice, government agencies, marketing companies and health care agencies.
Criminologist	• Arts • Criminology • Laws	Criminologists examine the systems by which people accused of crimes are brought to justice, attempt to explain the reasons for criminal behaviour and suggest ways crime might be reduced. Criminologists may specialise in crime prevention, cybercrime, juvenile justice, policing strategies, economic crimes or corrections. They may work in the legal field, ensuring laws keep up with changes in society. They may also work in the social/psychological fields, studying the effects of the criminal justice system or the factors that contribute to offending behaviour by individuals.
Curator	• Arts	Curators assemble, catalogue, manage and present artistic and cultural collections. Graduates work in museums, art galleries and other organisations that have large collections of art or artefacts. They may work for individuals with private collections or become a consultant.
Customer service consultant	Any relevant degree	Customer service consultants address customer enquiries and resolve customer issues. The nature of their work typically requires that they have a professional image and strong customer service skills. Employment is available in all industries, and in the government and private sectors.
Dancer	• Music Theatre	Dancers use movement to express ideas and stories in performances. They often perform in a group, and have the ability to dance to different styles of music. Dancers may perform on television, in theatre productions, film, advertisements, for photographers, or at special events. Dancers may continue to work as choreographers, directors or teachers.

🗨 Language	🔢 Mathematics	⚗ Science	🌲 Society and environment	*Plus postgraduate study*

Career title	Qualification (Bachelor of)	Examples of work and employer
Data analyst	• Applied Data Analytics • Commerce • Criminology • Economics • Finance and Banking • Mathematical and Computer Sciences • Media • Philosophy, Politics and Economics • Science (High Performance Computational Physics)(Honours) • Sociology	Statistics are increasingly being used as a research tool by companies. Data analysts are employed as specialists to analyse the results of surveys and other data collections to assist companies in making strategic decisions about their future.
Defence industry scientist	• Health and Medical Sciences • Mathematical Sciences • Mathematical and Computer Sciences • Medical Studies and Doctor of Medicine • Psychological Science • Psychology (Advanced)(Honours) • Science • Science (Space Science and Astrophysics)	Defence scientists perform laboratory experiments, research global trends and developments in their field of expertise, engage in modelling and simulation exercises and provide recommendations to senior management on research and development. Employers include government departments, private enterprise, universities and the defence industry in Australia and overseas.
Dental hygienist	• Oral Health	Dental hygienists provide periodontal and preventive dental care for patients of all ages. They are able to work in either private practice or the public sector in areas such as dental education, health promotion and research.
Dental therapist	• Oral Health	Dental therapists provide general dental care for children and adolescents including health promotion, prevention and restorative care. They may be employed in private practice or school dental clinics, dental education, health promotion/administration and research.
Dentist	• Dental Surgery	Dentists work in community healthcare centres, dental hospitals or private practice. They may also follow an academic career.
Diplomat	• Arts • Business • Economics • International Development • International Relations • Languages • Philosophy, Politics and Economics • Psychological Science • Sociology	Diplomats work on the policy and operational aspects of a country's foreign policy and trade interests. Employment is in the diplomatic service and Department of Foreign Affairs and Trade.
Doctor/medical practitioner	• Medical Studies and Doctor of Medicine	Graduates can follow a career as a GP in private practice or in hospitals. They can, with further study and experience, become specialist practitioners or researchers in a variety of medical fields.
Drilling engineer	• Engineering (Honours)(Mining) • Engineering (Honours)(Petroleum)	Employed by petroleum and mining organisations, drilling engineers work with geologists and reservoir engineers to plan and oversee drilling. They work with exploration, appraisal and development oil and gas wells on location and in an office environment, using mathematical models and simulations.
Ecologist	• Arts • Environmental Policy and Management • Science	Ecologists study the relationship between organisms and their environment. Employment may be in research organisations, universities, mining companies, or specialist environmental agencies/groups.
Economic researcher	• Arts • Economics • Health and Medical Sciences • Mathematical and Computer Sciences • Mathematical Sciences • Philosophy, Politics and Economics • Sociology	Economic researchers conduct research, plan reports and support policy development to address economic issues. Graduates are often employed by government agencies, community groups or private enterprise to assist with economic research.

Interest areas key: 🖉 Visual and performing arts   Design and technology   English   ⊕ Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Econometrician	• Economics • Finance and Banking • Philosophy, Politics and Economics	Econometricians develop and apply quantitative or statistical methods to the study of economic principles to analyse and test economic relationships. Employment may be with banking or financial institutions.
Economist	• Economics • Finance and Banking • Mathematical Sciences • Mathematical and Computer Sciences • Philosophy, Politics and Economics	Economists conduct research and analysis. They may be employed by government departments, trade unions, banks, insurance companies and private consulting firms.
Editor	• Arts • Business • Media	Editors play a key role in developing, managing and growing audiences for publications and newspapers. Employment is found in the media and publishing companies.
Educational media content creator	• Business • Media • Teaching	Educational Media content creators understand the principles of learning through the use of digital storytelling and online learning platforms. You'll develop digital technology skills to create and/or manage a range of media for enhanced learning effectiveness in places such as museums, science discovery centres, schools or universities.
Education officer/ coordinator	• Arts • Health and Medical Sciences • Psychological Science • Psychology (Advanced)(Honours) • Sociology • Teaching	Education officers provide students with further career options and information. Graduates may work as counselling and careers advisers, or as service coordinators.
Electrical/ electronic engineer	• Engineering (Honours)(Electrical and Electronic)	Electrical and electronic engineers design anything that uses electricity and provide the power our society needs. They design electronic and computing technologies, develop communication networks and protocols that connect people. They work to sustain human development through medical technology and new energy technologies.
Entomologist	• Agricultural Sciences • Science	Entomologists study insects. They may investigate the causes of insect outbreaks and research control methods through integrated pest management, biological control and chemical means. They are employed by government and the private sector.
Entrepreneur	• Arts • Business • Commerce • Health and Medical Sciences	Innovation and entrepreneurship are at the heart of economic growth and development. Graduates can create their own opportunities by developing a broad set of skills that can be applied to creating personal and business ventures.
Environmental biologist	• Environmental Policy and Management • Marine and Wildlife Conservation • Science	Environmental biologists are concerned with solving environmental problems and preserving the natural world for future generations. Graduates work in the protection and conservation of the natural environment, and are employed by government agencies, CSIRO, mining companies and community groups.
Environmental chemist	• Science	Graduates monitor pollutants, their products and natural chemicals; determine ways to reduce the bad effects of chemicals released into the environment; and devise environmentally friendly industrial processes. They are employed by universities, hospitals, mining companies and government agencies.
Environmental consultant	• Engineering (Honours)(Environmental and Climate Solutions) • Environmental Policy and Management • Marine and Wildlife Conservation • Science	Environmental consultants have a sound knowledge of environmental regulation. They ensure their clients comply with environmental legislation, forecast environmental problems, and conduct environmental impact assessments. They undertake research into new ways of reducing environmental damage. Employers include government and private sectors.

Language   Mathematics   Science   Society and environment   *Plus postgraduate study*

Career title	Qualification (Bachelor of)	Examples of work and employer
Environmental economist	• Economics • Environment Policy and Management • Economics with Finance and Banking	Environmental economists undertake theoretical or empirical studies of the economic effects of national or local environmental policies around the world. Particular issues include the costs and benefits of alternative environmental policies to deal with air pollution, water quality, toxic substances, solid waste and global warming. Graduates are often employed by state or federal government agencies, or may pursue a career as an academic.
Environmental engineer	• Engineering (Honours)(Chemical) • Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions) • Engineering (Honours)(Mechanical)	Environmental engineers work to ensure the impact humans have on the environment is kept to a minimum. Graduates are often employed by companies that need to ensure their work meets environmental protection requirements.
Environmental geologist	• Science • Science (Mineral Geoscience)	Environmental geologists study the nature of ground and surface waters; soil movement, erosion and degradation; the effects of pollution and human activity on rivers; and the environmental effects of mining, nuclear energy and waste disposal. Employers include petroleum and mining industries and environmental sub-professions of waste management, water, remote sensing interpretation, construction and natural hazard prediction.
Environmental project officer	• Engineering (Honours)(Environmental and Climate Solutions) • Environmental Policy and Management • Marine and Wildlife Conservation • Science	Environmental project officers assist in developing and implementing policy, strategy and systems for environmental management and organisational sustainability. Employers include government agencies, regional bodies, private enterprise and universities.
Environmental remediation officer	• Engineering (Honours)(Environmental and Climate Solutions) • Science • Marine and Wildlife Conservation	Environmental remediation involves the removal of pollution or contaminants from soil, groundwater, sediment or surface water. Environmental remediation officers develop, design and implement environmental remediation systems. Responsibilities include construction, installation, operation and maintenance of remediation treatment systems. Employers include agricultural areas, chemical, analytical and urban development sectors and government and private enterprise.
Environmental scientist	• Engineering (Honours)(Chemical) • Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions) • Marine and Wildlife Conservation • Science • Science (Space Science and Astrophysics)	Environmental scientists conduct research to identify, reduce, and eliminate hazards that affect people, wildlife, and their environments. Employers include government agencies, regional bodies, private enterprise and universities.
Environmental specialist	• Engineering (Honours)(Environmental and Climate Solutions) • Environmental Policy and Management • Science	Environmental specialists will develop strategies to maximise energy and water efficiency and will take part in assessments, audits and legislative activities to support sustainability planning.
Evolutionary biologist	• Science	Evolutionary biologists use the latest techniques in palaeontology and molecular systematics to discover the wide diversity of plants and animals living in the present, and preserved in the fossil record from the prehistoric past. Graduates may find a career as a research scientist in areas such as universities, museums and herbaria.
Export/import traders	• Business • Economics • Finance and Banking • International Development • International Relations • Languages • Laws	Traders identify opportunities to trade with overseas governments or organisations to sell or buy goods or services. They also deal with the legal aspects of import/export. Traders need good negotiation skills and knowledge of other cultures.
Film director	• Arts • Media	Directors manage the production of films, or particular stages of production. They also direct television, corporate videos and music videos. Employment is mainly in the media and entertainment industry.
Finance manager/adviser	• Business • Commerce • Finance and Banking	Graduates are employed by private and government sector organisations to manage the financial aspects of their operations. Consultancy work is also available.

Interest areas key: ✎ Visual and performing arts   ☼ Design and technology   ▤ English   ⊕ Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Financial analyst	• Business • Commerce • Economics • Finance and Banking • Mathematical Sciences • Mathematical and Computer Sciences • Science (High Performance Computational Physics)(Honours)	Financial data is one of the most complex and changing data sets available. Large financial organisations employ analysts so that decisions on future actions can be based on solid evidence of the probable movement in financial markets.
Fisheries researcher	• Marine and Wildlife Conservation • Science • Science (Veterinary Bioscience)	Researchers assess and advise on introduced species: causes, effects, prevention and control. They provide advice for the development of marine conservation and harvesting policies, including aquaculture. They may be employed by government agencies, aquaculture/fishing industries or universities.
Food engineer/ technologist/scientist	• Engineering (Honours)(Chemical) • Food and Nutrition Science • Food and Nutrition Science (Honours) • Science	Food technologists/engineers/scientists develop and improve food products and set standards for producing, packaging and marketing food. They are employed in food/wine/beverage manufacturing, in research, marketing and distribution, quality assurance, development and production.
Foreign affairs/ diplomatic corp worker	• Arts • Economics • Finance and Banking • International Development • International Relations • Languages • Media • Psychological Science • Psychology (Advanced)(Honours)	Graduates represent their country overseas, working in consulates or embassies, and can go on to become leading diplomats for governments or international organisations.
Forensic anthropologist	• Health and Medical Sciences* • Medical Studies and Doctor of Medicine	A forensic anthropologist is a scientist who studies the physical development of the human species. They analyse and identify human remains for legal purposes. They work in disaster areas, educational institutions and law enforcement agencies. Further postgraduate study is required.
Forensic scientist	• Biotechnology • Criminology • Health and Medical Sciences • Science • Science (Biomedical Science)	Forensic scientists apply scientific procedures and techniques to the examination of physical evidence that may assist in legal investigations in relation to criminal, environmental and safety laws. They are employed by government health departments, and state and federal police forces.
Fund and portfolio manager	• Commerce • Finance and Banking	Job activities include equity analysis, credit analysis and financial planning. Graduates may be employed by large retail or finance organisations, or government agencies.
Gaming programmer	• Computer Science • Computer Science (Advanced) • Media	Gaming programmers create and write code and scripts for video games and related software. As video games may include a range of aspects such as advanced physics, artificial intelligence, 3D graphics and digitised sound across multiple input devices, gaming programmers may specialise in one area or have expertise across several disciplines.
Geneticist	• Agricultural Sciences • Health and Medical Sciences • Science • Science (Animal Science) • Science (Biomedical Science)	A geneticist is a biologist who studies genetics, the science of genes, heredity, and variation of organisms. A geneticist can be employed as a researcher or lecturer. They evaluate, diagnose and manage patients with hereditary conditions or congenital malformations, genetic risk calculation and mutation analysis.
Geochemist	• Science • Science (Mineral Geoscience)	Geochemists examine the chemical composition of the earth, chemical processes and the reactions that govern composition of rocks and soils. Employment can be found in mining and petroleum companies, universities and government agencies.
Geologists	• Science • Science (Mineral Geoscience)	Geologists study the nature, composition and structure of the earth to increase scientific knowledge, locate materials and minerals. They advise on the extraction of minerals, environmental protection and land rehabilitation after mining. Employment is in mining and petroleum companies and government agencies.

Language	Mathematics	Science	Society and environment	*Plus postgraduate study*

Career title	Qualification (Bachelor of)	Examples of work and employer
Geophysicists	• Engineering (Honours)(Petroleum) • Science	Geophysicists study the physics of the earth, and can be involved in industries as diverse as petroleum, mining and environmental engineering. They may also work in universities, mining companies and government agencies.
Geotechnical engineer	• Engineering (Honours)(Architectural and Structural) • Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions)	Geotechnical engineers are involved in the design and construction of foundations, dams, earth retaining structures, embankments, tunnels, pavements and landfills. They are also involved in the engineering assessment of the ground, landslides and remediation of contaminated ground.
Graphic designer	• Media	Graphic designers communicate visually to create publication and display materials across all media: print, film, electronic, digital and others. Graphic designers may work in illustration, typography, multimedia, or digital media such as web design.
Grower liaison officer	• Agricultural Sciences • Viticulture and Oenology	Grower liaison officers service grower needs. They plan and implement quality assurance, crop management and environmental programs. Employers include public and private sectors in agricultural and viticultural industries.
Harbour engineer	• Engineering (Honours)(Architectural and Structural) • Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions)	Government agencies and firms planning new harbours and marinas often employ engineers to look at issues such as commercial and recreational demands and needs, and the impact on the environment.
Health economist	• Economics • Health and Medical Sciences	Health economists focus on how resources are allocated to and used in different health systems, and the effectiveness of resource allocation at meeting the increasing health needs of individuals and communities. Employment can be with government agencies, health providers or non-government organisations (NGOs).
Health manager/ hospital administrator	• Health and Medical Sciences • Nursing • Psychological Science • Psychology (Advanced)(Honours)	Graduates may work in management and research in positions such as health service managers, health promotion officers, health policy makers and business managers.
Health promotion officer	• Food and Nutrition Science • Health and Medical Sciences • Nursing • Oral Health	Health promotion officers plan and coordinate health promotion programs for community groups; design and develop public information campaigns using radio, television, newspapers, pamphlets, posters and social media; and design school curriculum material. Graduates are employed by government health departments, in non-government organisations such as cancer councils, heart foundations and asthma foundations, and may also work in rural public community health units.
Horticulturalist	• Agricultural Sciences • Viticulture and Oenology	Horticulturalists apply scientific knowledge to the cultivation and propagation of fruit, vegetables, berries, flowers, trees, shrubs and crops. They may also work in landscape design, parks and gardens, and conservation and preservation of natural resources.
Human resource manager	• Arts • Business • Psychological Science • Sociology	Human resource managers oversee all aspects of the human resources of an organisation. They work in public or private sectors, large or small organisations, for employment agencies or as consultants.
Humanitarian/aid worker	• Arts • Business • Dentistry • Economics • Engineering (Honours)(Environmental and Climate Solutions) • Food and Nutrition Science • International Development • International Relations • Health and Medical Sciences • Languages • Laws • Medical Studies and Doctor of Medicine • Nursing • Oral Health • Psychological Science • Psychology (Advanced)(Honours) • Sociology	Humanitarian/aid workers provide support to those in need across a range of disciplines. Graduates in relevant disciplines (e.g. economics, health sciences, medicine, engineering) can work with agencies such as Community Aid Abroad, CARE Australia, Engineers Without Borders and Médicins Sans Frontières.

Interest areas key: ✎ Visual and performing arts   💡 Design and technology   📖 English   ⊕ Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Hydrogeologist	• Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions) • Science • Science (Mineral Geoscience)	Graduates evaluate and manage the quality, quantity, reliability and sustainability of all aspects of water resources. They are employed in mining, petroleum, engineering and environmental consultancy firms, geological survey organisations and government departments.
Hydrologist	• Science	Hydrologists examine the physical properties of water, including its circulation, distribution and physical properties above and below the surface of the earth. Hydrologists work in government and private industry and are usually employed as consultants to scientists, engineers, developers, and governing bodies.
Immunologist	• Health and Medical Sciences • Medical Studies and Doctor of Medicine • Psychology (Advanced)(Honours) • Science • Science (Biomedical Science)	Immunologists undertake research and investigation of the immune system using complex and sophisticated molecular techniques. They are employed in hospitals, universities and government departments.
Indigenous health officer	• Health and Medical Sciences	Indigenous health officers assist general practices and their staff to deliver culturally appropriate services to Indigenous Australians. They provide a focus on Aboriginal and Torres Strait Islander health issues at a local level. Employers include GP practices, Indigenous health councils and government agencies.
Industrial organiser/ worker	• Arts • Business • Commerce • Economics • Laws • Media • Psychological Science • Philosophy, Politics and Economics • Sociology • Science	Industrial organisers develop and assist with campaigns, prepare publications, and provide industrial representation to individuals and groups. Graduates may work with trade unions, industry, or in the courts system (postgraduate studies are required for this).
Instrumentation engineer	• Engineering (Honours)(Electrical and Electronic) • Engineering (Honours)(Mechanical)	Instrumentation engineers are employed wherever control systems are required, from the flight deck of an aircraft, to ensuring the safety of a nuclear reactor. These engineers also look at measuring real world signals and processing them to maintain the control of a process or system.
Intelligence officer	• Arts • Business • Commerce • International Relations • Laws • Languages • Psychological Science • Psychology (Advanced)(Honours) • Science • Sociology	Intelligence officers collect, compile and analyse data and information on the identities, intentions, capabilities and activities of individuals, interest groups, industry etc. They are mostly employed by governments, but may also find opportunities with international companies.
International development worker	• Arts • Business • Economics • Health and Medical Sciences • International Development • International Relations • Languages • Laws • Project Management • Psychological Science	This career focuses on the efforts of developed countries to reduce poverty in developing countries. Employment can be with government agencies or non-government organisations (NGOs).
International trade analyst	• Business • Commerce • Economics • Finance and Banking • Philosophy, Politics and Economics	An international trade analyst analyses and advises on economics, political and other factors that influence international trade. Employment may be with banking or financial institutions.

💬 Language   ﹟ Mathematics   ⚗ Science   🌲 Society and environment   *Plus postgraduate study*

Career title	Qualification (Bachelor of)	Examples of work and employer
Internet commerce specialist	• Commerce • Computer Science • Engineering (Honours)(Software) • Mathematical and Computer Sciences • Media	Companies increasingly rely on the Internet rather than face-to-face contact for a large proportion of their business. Companies wishing to maximise use of the Internet employ specialists in the area of Internet commerce to produce and manage online systems and processes that catch the eye of their target market and operate efficiently.
Interpreter/translator	• Arts • Languages	Graduates may work with community groups and government instrumentalities or offices overseas, or with private enterprise in the international sphere.
IT manager	• Information Technology • Project Management	Activities include business problem analysis, application design and development and implementation of IT business solutions.
Journalist	• Arts • Business • Commerce • Media	Graduates may find employment as journalists with the print or electronic media, government, community groups or private enterprise. Specialist fields may include agriculture, science, politics, exports, global business, international relations, industrial relations or legal affairs.
Laboratory manager	• Health and Medical Sciences • Any Science program	Laboratory managers are usually senior scientists who work in the laboratory. They are responsible for the workers under them and the smooth running of the laboratory.
Laboratory technician	• Health and Medical Sciences • Any Science program	Lab technicians assist scientists in all areas of science by collecting and preparing samples, carrying out experiments, working with scientific equipment, and recording and presenting results for critical analysis.
Landcare coordinator	• Environmental Policy and Management • Marine and Wildlife Conservation • Science	Landcare coordinators identify problems affecting the environment, devise and establish programs to help overcome current/future problems. Employment may be found with a wide range of government agencies, councils and environmental groups.
Landscape architect	• Architectural Design*	Following additional postgraduate study, graduates may work as landscape architects, conservation consultants, environmental designers or policy advisers in business, industry or government agencies.
Laser and photonics scientist	• Science • Science (Advanced)	Laser and photonics scientists work in the design, production, and use of laser and fibre optics technology. Employers include universities, the laser industry, defence organisations, manufacturing and health industries.
Lawyer/solicitor/barrister	• Laws*	While barristers represent people in the higher courts, solicitors act to give people advice, prepare legal documents and cases, and represent people in the lower courts. Lawyers are qualified to give out legal advice and represent clients in court. Lawyers can act in both defence and prosecution.
Legal aid worker	• Laws*	Legal aid services assist people unable to afford private practitioners. Graduates work as barristers, solicitors, and in management and administration.
Legal officer	Any degree in combination with Laws	Legal officers provide advice, analysis and briefing on legislative, operational and policy issues. Graduates may work as a court or industrial relations officer, legal executive or consultant, or assist barristers.
Management consultant	• Business • Commerce • Economics • Economics (Advanced) • Environmental Policy and Management • Finance and Banking • Philosophy, Politics and Economics • Project Management • Psychological Science • Psychology (Advanced)(Honours)	Consultants are often self-employed or work for a consultancy firm. They work with client organisations to improve their business. They may specialise in particular areas, e.g. human resources or operations. They may work in the private and public sectors.

Interest areas key: Visual and performing arts   Design and technology   English   Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Manager—business	• Business • Commerce • Economics • Finance and Banking • Philosophy, Politics and Economics • Project Management • Psychological Science	Business managers are visionary thinkers who develop, evaluate, strategise, and put into operation measures to make a company successful. Employment is available in all industries, and in the government and private sectors.
Manufacturing engineer	• Engineering (Honours)(Chemical) • Engineering (Honours)(Mechanical) • Engineering (Honours)(Electrical and Electronic)	All manufacturers aim to improve their productivity. Robotics, control systems and efficient production processes are designed by specialist engineers in order to assist companies with their goals.
Marine biologist	• Marine and Wildlife Conservation • Science • Science (Advanced)	Marine biologists may work to estimate the numbers of marine organisms and analyse their population features, and develop long-term programs for monitoring environmental pollution. Employers include government environment agencies, fisheries and private companies.
Market researcher/analyst	• Business • Commerce • Marine and Wildlife Conservation • Mathematical Sciences • Mathematical and Computer Sciences • Media • Psychological Science • Psychology (Advanced)(Honours) • Sociology	Companies wishing to improve their market position or looking for the best way to launch a new product often employ the services of a research specialist. Graduates need strong analytical skills to draw conclusions from surveys, focus groups or other data.
Marketer/ marketing manager	• Business • Commerce • Media • Psychological Science • Psychology (Advanced)(Honours)	Jobs include market planner, sales manager, brand marketer, advertising and product manager, public relations officer, advertising executive and market researcher in both public and private sectors.
Material scientist/ engineer	• Engineering (Honours)(Chemical) • Engineering (Honours)(Mechanical)	Material scientists and engineers apply scientific and engineering principles and practices to develop and test new materials and improve qualities of existing materials. They may work in diverse areas including pure research or biomedical industries, large foundries, aluminum plants and companies involved in alloy research.
Mathematician	• Mathematical Sciences • Mathematical and Computer Sciences	Mathematicians solve mathematical problems using extensive knowledge of mathematics. They may apply their specialised expertise to a wide range of fields, industries and organisations including research, business, government, teaching and finance organisations, academia, defence, meteorology, telecommunications and biomedical research, just to name a few.
Mechanical engineer	• Engineering (Honours)(Mechanical)	Mechanical engineers are concerned with the management of people and resources, the creation and use of new technologies and the design and development of new materials, processes and products. This mostly involves 'things that move' such as motor vehicles, aircraft systems, engines, pumps, gas turbines, industrial plants, air-conditioning/refrigeration systems, manufacturing processes, building services and even space stations.
Mechatronic engineer	• Engineering (Honours)(Electrical and Electronic) • Engineering (Honours)(Mechanical)	Mechatronic engineers have hybrid skills that cater for mechanical and electrical systems. They develop expertise in control, instrumentation and actuation. They may design, construct and maintain intelligent machines, micro-machines, smart structures, intelligent systems, control systems and consumer products such as cameras, washing machines or a fully automated robotic assembly line, or they may be involved with defence technology and automated systems.
Medical physicist	• Health and Medical Sciences • Science	Medical physicists are involved in planning and delivery of radiotherapy in cancer clinics. Possible careers also include work in medical imaging units in public and private hospitals, and as radiation protection officers in private and public institutions.

💬 Language   🔢 Mathematics   ⚗ Science   🌲 Society and environment   ** Plus postgraduate study*

Career title	Qualification (Bachelor of)	Examples of work and employer
Medical scientist	• Health and Medical Sciences • Medical Studies and Doctor of Medicine • Science • Science (Biomedical Science)	Work involves biomedical research in medical areas such as cancer and other diseases to improve human health. They develop treatments and design research techniques for medical applications. Graduates may be employed in universities and laboratories in the public and private sectors.
Medical technician	• Health and Medical Sciences • Nursing • Science • Science (Biomedical Science)	Technicians are involved in analysis of samples collected from patients for potential diagnosis. Work would mainly be in laboratories in the public and private sectors.
Meteorologist	• Mathematical and Computer Sciences • Mathematical Sciences • Science	Graduates with a major in pure mathematics or quantitative sciences are well equipped to work in the field of weather forecasting. Many government agencies, including defence, employ graduates to work in this area.
Microbiologist	• Agricultural Sciences • Biotechnology • Health and Medical Sciences • Marine and Wildlife Conservation • Science • Science (Animal Science) • Science (Biomedical Science)	Microbiologists study the micro-organisms of the world, looking at how they affect humans and animals, but also microorganisms of commercial/economic importance. Employment is found with hospitals, university research laboratories and medical laboratories.
Midwife	• Nursing*	Midwives provide care to childbearing women during pregnancy, labour and birth, and during the postpartum period. They also help care for the newborn and assist the mother with breastfeeding. Midwives also provide primary care to women in relation to reproductive health, annual gynaecological exams and family planning. Employers include hospitals, family planning clinics and community health centres.
Mine manager	• Engineering (Honours)(Mining) • Engineering (Honours)(Petroleum)	Mine managers start out as mining engineers, and after suitable professional experience, oversee the running, design and safety of a mine. This involves coordination of various technical teams such as drill and blast, ventilation, rock mechanics, earth moving and equipment management.
Mineral exploration worker	• Engineering (Honours)(Mining) • Engineering (Honours)(Chemical) • Science • Science (Mineral Geoscience)	Mineral exploration involves aspects of mineral processing, including sampling and laboratory work. Jobs are often located in remote areas and working conditions may include dust, heat and noise. Employers include mining companies and government agencies.
Mining engineer	• Engineering (Honours)(Mining) • Engineering (Honours)(Petroleum)	Mining engineers are concerned with the extraction and processing of ores that contain valuable minerals or metals. They are involved in mine design, mining systems, geology/resource estimation, geotechnical/rock mechanics, mine ventilation, mining economics, management and finance.
Ministerial adviser	• Arts • Business • Commerce • Health and Medical Sciences • International Relations • Laws • Media • Philosophy, Politics and Economics • Psychological Science • Science • Sociology	Ministerial advisers work closely with government ministers. Their work includes research, providing advice and writing speeches. Advisers are sometimes required to travel with their Minister, locally and overseas.
Music journalist/critic	• Arts • Music (Music Education)	Graduates are employed to review music for newspapers, magazines and websites.

Interest areas key: 🖊 Visual and performing arts   💡 Design and technology   📖 English   ⊕ Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Music teacher	• Arts • Music (Music Education) • Teaching	Music teachers work at universities or schools, or tutor students privately.
Music technologist	• Music (Creative Practice)	Technologists provide support for theatre, production companies, bands and festivals. They may also work as audiovisual and sound technicians.
Musician/singer	• Music (Classical Performance) • Music (Creative Practice) • Music (Jazz Performance)	Graduates work as self-employed performers, session musicians, music/singing teachers and orchestra/opera members. Associated professions include music journalism, music/instrument sales, music/record publishing, music direction, research and arts administration.
Nanotechnologist	• Engineering (Honours)(Chemical) • Engineering (Honours)(Electrical and Electronic)	Nanotechnologists apply scientific and engineering principles and practices to develop new materials on the nanoscale. They may be employed in pure research or biomedical industries.
Natural resource manager	• Agricultural Sciences • Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions) • Environmental Policy and Management • Marine and Wildlife Conservation • Science	Natural resource managers assess techniques for flora and fauna conservation, monitor components of the environment (e.g. soil, water, air) and develop practical solutions in environmental management and rehabilitation. They may work in environment protection agencies, government departments, small and large manufacturers, private consulting practices, national parks or botanic gardens.
Network engineer	• Computer Science • Engineering (Honours)(Electrical and Electronic) • Mathematical and Computer Sciences	With computer systems becoming universal, companies are employing network engineers to assist in the efficient design and maintenance of their computer networks.
Neuropsychologist	• Health and Medical Sciences • Psychological Science • Psychology (Advanced)(Honours)	Neuropsychologists provide assessments and treatment recommendations for people experiencing difficulties with memory, learning, attention, language, reading, problem-solving, decision-making or other aspects of behaviour and thinking abilities. Neuropsychologists also provide treatment that may employ cognitive, educational, behavioural or psychosocial methods.
Neuroscientist	• Health and Medical Sciences • Science	Neuroscientists perform and analyse laboratory tests. They study injuries and diseases affecting the brain, spinal cord, peripheral nervous system and muscle tissue, and may work in hospitals or research centres.
Noise control engineer	• Engineering (Honours)(Mechanical)	Companies designing large mechanical devices, from road crushers to refrigeration systems, are required to meet stringent standards for the output of noise. Graduates look at how they can actively reduce the noise and vibrations emitted by machinery.
Nurse	• Nursing • Any relevant degree with Master of Clinical Nursing	Nursing graduates may work in hospitals and a variety of other health care settings, advanced clinical practice, management, education or research.
Occupational Therapist	• Occupational Therapy (Honours)	Occupational therapists help us build and protect the specific capabilities we need to effectively participate in the critical activities of our daily lives: parenting, work, education, socialising, leisure, and simply looking after ourselves.
Oil and gas analyst	• Engineering (Honours)(Petroleum) • Science • Science (Mineral Geoscience)	Petroleum and gas industries worldwide employ professionals to analyse and predict the nature of oil and gas deposits. With the drilling of new wells costing millions of dollars, graduates in this area are in high demand.
Oral Health therapist	• Oral Health	Oral health therapists provide prevention, basic dentistry and periodontal maintenance. They form a vital part of the dental team and provide preventive and general dental care for the population in both public and private sectors.
Parks management	• Environmental Policy and Management • Science	Park rangers may assist with tours and promoting awareness, understanding and appreciation of the natural and cultural features of parks, supervise public visits and advise visitors of park rules and regulations. Employment is within national parks and wildlife parks, or in privately owned nature reserves.
Patent attorney	• Laws* • Science* • Science (Advanced)*	Patent attorneys use their specialised knowledge to draft and prosecute patents, and represent clients in obtaining and contesting patents. They require professional postgraduate qualifications.

💬 Language   🧮 Mathematics   ⚗ Science   🌲 Society and environment   ** Plus postgraduate study*

Career title	Qualification (Bachelor of)	Examples of work and employer
Petroleum engineer	• Engineering (Honours) (Petroleum)	Petroleum engineers are designers. They create, plan and supervise all aspects of petroleum recovery; helping to find oil and gas; assessing how much is there; designing the wells and processing facilities to get as much out as possible; supervising and optimising production operations and ultimately planning for the abandonment of the project.
Petroleum exploration	• Engineering (Honours)(Petroleum) • Science	Oil and gas companies spend millions of dollars annually to find viable sites for new wells. Specialist graduates are responsible for exploring and modelling sites that appear to be viable for production, and make recommendations on drilling decisions.
Petrophysicist	• Engineering (Honours)(Petroleum) • Science	Petrophysicists evaluate and measure rock properties and reservoir resources, such as ore deposits and oil or natural gas reservoirs. Employers include the oil and gas industry and mining and water resource industries.
Pharmaceutical engineer/researcher	• Biotechnology • Engineering (Honours)(Chemical) • Health and Medical Sciences • Science • Science (Biomedical Science) • Science (Veterinary Bioscience)	This growth area is designed to improve the sustainability, efficiency, drug effectiveness and length of time between drug discoveries to delivery. Projects may include: design of a process to efficiently produce a new drug quality control; validation of production processes and facilities; technology innovation; design of equipment for the pharmaceutical, biotech and healthcare industries; safe disposal of unwanted drugs.
Pharmacologist	• Biotechnology • Health and Medical Sciences • Science (Biomedical Science) • Science	Pharmacologists develop and evaluate the origin, nature, chemistry, effects and uses of drugs in humans and animals. They also study drugs for possible side effects and complications, to ensure they can be used safely and effectively. Employers include private industries, hospitals, medical or research laboratories and the pharmaceutical industry.
Physicist	• Science • Science (High Performance Computational Physics)(Honours) • Science (Space Science and Astrophysics)	Physicists study the behaviour of the physical world at the most basic level and ways to apply new knowledge gained from research in areas of science and technology. The Bachelor of High Performance Computational Physics is designed to use computers to solve problems in the physical world.
Physiologist	• Health and Medical Sciences • Medical Studies and Doctor of Medicine • Science • Science (Biomedical Science)	Physiologists study the physical workings of the human body, looking at various areas and the way they interact, and the effects of injuries on the human body. Graduates work in hospitals, laboratories and research centres.
Physiotherapist	• Physiotherapy (Honours)	Physiotherapists help us recover, maintain and enhance our ability to move freely and without pain. They help us overcome injury and disability, preserve physical condition during and after illness, and improve athletic performance.
Planning officer	• Arts • Business • Commerce • Economics • Environmental Policy and Management • Health and Medical Sciences • Laws • Media • Project Management • Science • Sociology	Jobs include project officer, adviser, researcher, consultant, communications worker, and liaison officer with scientists, media and management. Work can vary from fieldwork to lab work/report writing, and formal presentations.
Plant biotechnologist	• Agricultural Sciences • Biotechnology • Science	Plant biotechnologists carry out innovative plant related research and development activities aimed at producing superior crop varieties. Employers include government departments, universities and private companies in research and development, advisory and consultancy positions.
Police officer	Any degree	Graduates are recruited as police officers in state or Commonwealth forces and can seek varied and rewarding careers in diverse fields of policing and investigatory work.

Interest areas key: ✏️ Visual and performing arts   💡 Design and technology   🖥 English   ⊕ Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Policy adviser	• Applied Data Analytics • Arts • Business • Commerce • Criminology • International Development • International Relations • Laws • Media • Philosophy, Politics and Economics • Science • Sociology	Jobs include: consultant, speech writer, researcher, communications officer, policy writer. Employment is available across all industry types, in both private and government sectors, and career opportunities are strong.
Power distribution engineer	• Engineering (Honours)(Electrical and Electronic)	Power distribution involves the design of large-scale electricity distribution networks and systems, and processes that control these systems. Graduate specialists in this area are often employed by companies involved in the provision of power to the community.
Process engineer	• Engineering (Honours)(Chemical) • Engineering (Honours)(Petroleum)	Process engineers are responsible for the chemical, physical and biological processes that are used to transform raw materials into valuable products. Process engineering focuses on the design, operation, control and optimisation of those processes, and encompasses a wide range of industries such as chemical, minerals processing, petrochemical, food, pharmaceutical and agricultural.
Producer/ production assistant	• Arts • Media • Music (Creative Practice) • Music Theatre	Employed by theatre groups, production companies, bands and advertising agencies, producers generally control all aspects of production, from idea development and cast hiring to researching content and financial management.
Production engineer	• Engineering (Honours)(Mechanical) • Engineering (Honours)(Petroleum) • Engineering (Honours)(Chemical)	Production engineers typically have broad knowledge of engineering and management practices and are responsible for the equipment and processes used in manufacturing and chemical plants. They ensure equipment is maintained and operating at an optimal level, and the usage of resources is cost effective.
Property Manager	• Architectural Design*	Following additional postgraduate study, graduates may be employed as property analysts, property development advisers and property investment advisers.
Psychiatrist	• Medical Studies and Doctor of Medicine*	Psychiatrists diagnose, assess, treat and prevent human mental, emotional and behavioural disorders. A psychiatrist must first qualify as a medical practitioner and then undertake further training and study to specialise in psychiatry.
Psychologist	• Psychological Science* • Psychology (Advanced)(Honours)*	Further masters-level psychology study is required to become a psychologist. Psychologists investigate, assess and provide treatment and counselling to assist with personal, social, educational and occupational adjustment and development. Career options include employment in the private and public sector, or as a consultant. Psychologists can work individually with clients, as advisers to industry or in policy research and development.
Public relations manager	• Arts • Business • Commerce • Languages • Media • Psychological Science • Psychology (Advanced)(Honours)	Activities include managing events, speaking at conferences, working with the press and creating publications, communications and promotional material. Employment may be found in the private sector, government agencies and councils.

Language	Mathematics	Science	Society and environment	*Plus postgraduate study*

Career title	Qualification (Bachelor of)	Examples of work and employer
Public servant	• Arts • Business • Commerce • Economics • Finance and Banking • Health and Medical Sciences • International Development • International Relations • Laws • Philosophy, Politics and Economics • Science • Sociology • Any other relevant degree	State and Commonwealth public services draw employees from all disciplines—recruits can have generalist degrees in disciplines such as arts or science, which provide transferable skills and a broad range of specific knowledge. Alternatively, graduates with specialist backgrounds may be recruited.
Publisher	• Arts • Languages • Media	Publishers manage all aspects of publishing newspapers, magazines and books, including finance, marketing and legal issues.
Quarantine officer	• Agricultural Sciences • Marine and Wildlife Conservation • Science • Science (Animal Behaviour) • Science (Animal Science) • Science (Veterinary Bioscience) • Veterinary Technology	Quarantine officers control the entry of agricultural and horticultural produce, plants, animals, various microorganisms and viruses that cross national and international borders. They assist to identify and control biosecurity risks and hazards. Employers include federal, state and local government bodies.
Radio engineer	• Engineering (Honours)(Electrical and Electronic)	Radio engineers, using radio frequency technology, design and optimise wireless networks. These can be data networks or cellular communication networks. Companies in the communications sphere employ radio engineers.
Remote sensing and GIS officer	• Science • Science (Mineral Geoscience) • Science (Space Science and Astrophysics)	Surveyors may work on the size and shape of an area of land, calculating the position of boundaries of public or private land, compile and evaluate data and interpret codes of practice. They may be employed by mining companies and government agencies.
Remote sensing scientist/analyst	• Science	Remote sensing scientists/analysts study objects or events using data collected without having to be in physical contact with the objects or events. This data is often collected by satellites. Employers include government and private enterprises.
Research assistant/ associate	Any relevant degree	Graduates undertake research projects in every field imaginable, related to their study discipline. They work for private companies, government departments, trade unions or non-profit organisations.
Research scientist	• Health and Medical Sciences • Any relevant Science degree	Research scientists are involved in designing, conducting and analysing experiments, either with an intended end use (to develop new products, processes or commercial applications) or to broaden scientific understanding in general. Employers include hospitals, medical and research laboratories, universities, the pharmaceutical industry and private industries.
Reservoir engineer	• Engineering (Honours)(Petroleum) • Engineering (Honours)(Chemical) • Engineering (Honours)(Mining)	Graduates who choose to specialise in this area will plan and assess new oil and gas field developments and optimise the management of existing fields. Their work is usually office based, but they may be required to undertake site visits.
Retail worker	Any relevant degree	Careers are available as managers, sales assistants, merchandisers or window dressers. Alternatively, graduates may work in a variety of business related fields within a retail organisation, e.g. accountancy, human resources, operations or design.
Robotics engineer	• Engineering (Honours)(Electrical and Electronic) • Engineering (Honours)(Mechanical)	Robotics engineering crosses traditional boundaries between electronic, mechanical and computer engineering, and encompasses the design, construction, operation and application of robots, or automated machines, that can take the place of humans in unsafe and/or manufacturing processes.
Satellite engineer	• Engineering (Honours)(Electrical and Electronic)	South Australia has a thriving research and development industry that looks at the design of new satellite technology. Graduates can expect to work in the areas of control, communications, radio communication and satellite design.

Interest areas key: Visual and performing arts   Design and technology   English   Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Science educators/ communicators	• Health and Medical Sciences • Teaching • Any Sciences program	Careers include writing scientific articles or presenting for various media outlets, collating data for media programs, or working in museums or science centres.
Seismologist	• Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions) • Engineering (Honours)(Petroleum) • Science • Science (Mineral Geoscience)	Seismologists are earth scientists, specialising in geophysics, who study the genesis and the propagation of seismic waves in geological materials. These geological materials can range from laboratory samples to the earth as a whole, from its surface to its core. Employment options exist in universities or engineering firms.
Set designer	• Arts • Media • Music Theatre	Set designers plan, design and oversee the construction of sets and scenery for theatre, film and TV productions.
Singer	• Music (Classical Performance) • Music (Creative Practice) • Music (Jazz Performance) • Music Theatre	Singers use their voice to perform music for live audiences or recordings. Some singers write their own music to perform and record, while others interpret music already written. Singers may work in environments such as theatre, television, film, concerts, advertisements, or private events.
Software engineer	• Computer Science • Engineering (Honours)(Software)	Software engineers are employed to design and maintain high quality software and large computer programs. Graduates have been successful in a wide variety of areas, including communications, manufacturing, web design, defence, consumer electronics, power generation and information technology.
Soil scientist	• Agricultural Sciences • Science	Soil scientists study soil on the surface of the earth including: soil formation; classification; mapping physical, chemical, biological and fertility properties of soils; and the use and management of soils. Employers include federal, state or local government agencies, universities, fertiliser companies, private research laboratories and insurance companies.
Solicitor	• Laws*	Solicitors provide legal advice, prepare and draft legal documents, and represent people in the courts of law.
Sound production	• Media • Music (Creative Practice) • Music Theatre	The music and media industries use sound production for television commercials and shows, popular recordings, radio, video games, and films. People who work in sound production may write the music, or record, mix, and produce sound.
Space scientist	• Engineering (Honours)(Software) • Science • Science (Space Science and Astrophysics)	Space scientists specialise in the study of the solar system and the practical use of space. They are employed in defence agencies, national space agencies, research institutes, universities and government departments.
Speech pathologist	• Speech Pathology (Honours)	Speech pathologists help us make use of arguably our most precious capability—communication. By working with people to overcome physical and developmental challenges to verbal expression, they enable our deepest, most rewarding connections.
Sports engineer	• Engineering (Honours)(Mechanical)	Sports engineers apply their specialised mechanical engineering skills to the design and manufacture of sports equipment and apparel, rehabilitation and exercise equipment, and sports facilities. Graduates seek employment in sporting organisations and institutes, and orthopaedic and industrial design companies.
Sports nutritionist	• Health and Medical Sciences* • Food and Nutrition Science • Food and Nutrition Science (Honours)	Sports nutritionists are responsible for assisting athletes with their health and performance through nutritional meal plans and supplements. Sports nutritionists assess an athlete's current condition and monitor their progress. Employers include sports teams, universities, colleges, corporate wellness centres and sports medical practices.

Language   Mathematics   Science   Society and environment   *Plus postgraduate study*

Career title	Qualification (Bachelor of)	Examples of work and employer
Statistician	• Commerce • Criminology • Economics • Finance and Banking • Health and Medical Sciences • Mathematical and Computer Sciences • Mathematical Sciences • Psychological Science • Philosophy, Politics and Economics • Sociology	Statisticians engage in the development of mathematical theory or apply statistical theory and methods to collect, organise, interpret and summarise numerical data to provide usable information. The Australian Bureau of Statistics (ABS) is a major employer of graduates with a statistics background. For example, the ABS is responsible for the census collection and the production of results from the census.
Stockbroker	• Commerce • Economics • Finance and Banking	Financial dealers and brokers work in stockbroking firms, financial planning organisations, banks, accounting and law practices and other financial/investment institutions.
Structural engineer	• Engineering (Honours)(Architectural and Structural) • Engineering (Honours) (Civil)	Structural engineers design the framework of buildings, towers, bridges, tunnels and other structures to ensure strength and safety. Graduates may find employment in private consulting practices, construction companies, civil engineering service providers and government departments.
Sustainable/renewable energy engineer	• Engineering (Honours)(Chemical) • Engineering (Honours)(Civil) • Engineering (Honours)(Electrical and Electronic) • Engineering (Honours)(Environmental and Climate Solutions) • Engineering (Honours) (Mechanical)	Sustainable energy engineers will develop long term solutions to meet the world's rapidly growing energy needs using alternative energy sources such as wind, solar and biomass. They design processes to produce sustainable and renewable energy sources for future industries.
Systems analyst	• Computer Science • Engineering (Honours)(Software) • Engineering (Honours)(Electrical and Electronic) • Mathematical and Computer Sciences • Science • Science (High Performance Computational Physics)(Honours)	Systems analysts design computer information systems, modify and optimise systems and advise clients on ways to expand existing systems. Companies with large integrated computer systems employ specialists to assist non-technical staff in operation of computers they rely on for their day-to-day work.
Teacher	• Relevant degree with Master of Teaching • Teaching	Graduates may gain employment in state, independent or Catholic school systems.
Telecommunications analyst	• Engineering (Honours)(Electrical and Electronic) • Mathematical and Computer Sciences • Mathematical Sciences	Graduates with a strong background in applied mathematics are able to use their skills to analyse and model new telecommunication systems. Large telecommunications companies employ graduates from this area to design, implement and maintain our vital communications networks.
Telecommunications engineer	• Engineering (Honours)(Electrical and Electronic)	Graduates are employed by communications companies to engineer new communication systems. These may range from a mobile phone network to satellite communications systems.
Tutor	Any relevant degree	Graduates are often employed as tutors—in a private capacity to help individuals, or in schools and universities as subject/course tutors.
Veterinarian	• Science (Veterinary Bioscience) plus Doctor of Veterinary Medicine	Vets are accredited to practice animal surgery and medicine. They are skilled in the health, disease states and care of all animals. Employment may be found in veterinary practices, universities, and the biosecurity and aquaculture industries.
Vibrations engineer	• Engineering (Honours)(Mechanical)	All machinery produces vibrations. Engineers who specialise in this area look at how to minimise these vibrations so that structural damage does not occur, and to ensure the safety of operations.
Vineyard manager	• Viticulture and Oenology	Vineyard managers are responsible for the everyday running of a vineyard as a business unit. This involves business (vineyard) planning; hiring, training and supervision of staff; maintenance of machinery; budgeting and finance; monitoring the health of the grapes; and recommending best practices for viticulture. Employers include wineries and vineyards.

Interest areas key: ✏ Visual and performing arts   💡 Design and technology   📖 English   ⊕ Health and physical education

Career title	Qualification (Bachelor of)	Examples of work and employer
Viticulturalist	• Viticulture and Oenology	Viticulturalists plan, supervise and coordinate the growing of selected grape varieties for the production of wine. They conduct laboratory tests, implement quality control procedures, estimate harvesting time and organise the crushing and pressing of grapes. Employment is in wineries and vineyards, in Australia and overseas.
Water resources engineer	• Engineering (Honours)(Civil) • Engineering (Honours)(Environmental and Climate Solutions)	Water resources engineers take a holistic approach to the management of water supplies, wastewater and re-use. They look after the infrastructure and quality of our water supply. Graduates are employed by government and private companies.
Web designer/developer	• Business • Computer Science • Information Technology • Media	Web designers and developers plan, research, design, build and maintain websites. Designers are concerned with how a website looks and how easy it is to use. Developers work on programming and coding to determine how the website works.
Web programmer	• Computer Science • Information Technology • Mathematical and Computer Sciences • Media	Web design companies use programmers with solid skills in software and computer coding languages to design efficient and user-friendly web applications.
Welfare officer	• Arts • Criminology • Health and Medical Sciences • International Development • Psychological Science • Psychology (Advanced)(Honours) • Sociology	Jobs include field workers, project officers, program coordinators, community health workers, counsellors, and policy managers. Positions are available in many areas, including government, councils, hospitals, health centres, unions, community groups and private practice.
Wine marketer	• Business • Commerce • Media	Wine marketers deal with the marketing and promotion of wine and wine related products. Wine marketers would generally find employment within wineries, in retail, wholesale and export companies, and within state tourism organisations.
Winemaker	• Viticulture and Oenology	Winemakers liaise with viticulturists who manage the planting, cultivation and production of grapes. They are involved in the production of wine. Employment is found at wineries within Australia and overseas.
Winery engineer	• Engineering (Honours)(Chemical)	Winemakers look at making the finished product, whereas winery engineers look at making the process more efficient. Scaling up of the process from a successful laboratory operation to a large, commercially sized operation is the domain of engineers. Work is found in wineries.
Writer	• Arts • Business • Commerce • Languages • Media • Music (Creative Practice) • Music Theatre • Any relevant degree	Jobs include: speech writer, communications officer, journalist, editor, novelist, playwright, screenwriter, technical writer, teacher, advertising copywriter.
Zoo worker	• Science • Science (Animal Behaviour) • Science (Animal Science) • Science (Veterinary Bioscience) • Veterinary Technology	Zoo workers check and record, on a daily basis, the health status and behaviour of animals in their care. They care for animals, and look after zoo exhibits and equipment. Employment is in zoos and wildlife parks.
Zoologist	• Science • Science (Animal Behaviour) • Science (Animal Science) • Science (Veterinary Bioscience)	Zoologists are biologists who study the structures, characteristics, functions, ecology and environment of animals to increase knowledge and develop practical applications in wildlife management and conservation. They investigate interrelationships between animals and their environment by studying them in their natural surroundings, in captivity and laboratories. They may be employed in zoos, national parks, or animal protection agencies.

Get a great future

💬 Language   🔢 Mathematics   ⚗ Science   🌲 Society and environment   *Plus postgraduate study*

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Areas of study	Student contribution per 1 EFTSL (24 units)	Student contribution per 0.125 EFTSL (3 units)
Band 1: Agriculture, English, Languages, Mathematics, Nursing, Postgraduate Clinical Psychology, Teaching	$4,445	$555
Band 2: Allied Health, Architecture, Engineering, Environmental Studies, IT, Performing Arts, Professional Pathway Psychology*, Science	$8,948	$1,118
Band 3: Dentistry, Medicine, Veterinary Science	$12,720	$1,590
Band 4: Accounting, Administration, Behavioural Science (not Professional Pathway Psychology*), Economics, Humanities, Law, Media, Social Studies	$16,323	$2,040

Kaurna acknowledgement
We acknowledge and pay our respects to the Kaurna people, the original custodians of the Adelaide Plains and the land on which the University of Adelaide's campuses at North Terrace, Waite, and Roseworthy are built. We acknowledge the deep feelings of attachment and relationship of the Kaurna people to country and we respect and value their past, present and ongoing connection to the land and cultural beliefs. The University continues to develop respectful and reciprocal relationships with all Indigenous peoples in Australia, and with other Indigenous peoples throughout the world.