



THE UNIVERSITY  
*of* ADELAIDE

150 YEARS

2025

# International guide

Postgraduate research



GROUP  
OF EIGHT  
AUSTRALIA

make  
history.



THE UNIVERSITY  
of ADELAIDE



University of  
South Australia

## Adelaide University

a new university for South Australia

We're planning for an exciting new future.

The new Adelaide University, which is targeted to be launched in January 2026, will combine the strengths of the University of Adelaide and the University of South Australia (UniSA) to offer contemporary curriculum aligned to industry and enterprise, provide more flexible and accessible ways to study, and aim to deliver the best in research, student experience and graduate outcomes.

*A new 'Adelaide University' is subject to legal and regulatory approvals.*



Keep up-to-date and discover more at [adelaideuni.edu.au](http://adelaideuni.edu.au)



# make history.

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THE UNIVERSITY  
of ADELAIDE



# From our Vice-Chancellor

A member of Australia's prestigious Group of Eight research-intensive universities and ranked in the top 1% of universities worldwide, the University of Adelaide is recognised globally for its research excellence and dedicated staff, many of whom are international leaders in their respective fields.

Our postgraduate research degrees are world-class, driven by cutting edge research and technology that encourages critical thinking, problem solving, teamwork and communication. We partner with industry and community to ensure that research is translational and delivers real-world impact, while our broader research mission is committed to tackling the grand challenges of our time. Research internships and industry-engaged programs offer exceptional opportunities to apply and further develop professional skills and expertise in your specific field and chosen career.

Our multi-cultural student body, from more than 100 countries, and extensive international partnership network enables our students to gain valuable global perspectives and to build connections around the world. Our campuses are enriched by this diversity, including our beautiful North Terrace campus located at the heart of our city of Adelaide.

Our international orientation activities will assist students, wherever they are from in the world, with making a successful transition and learning more about the South Australian culture.

A postgraduate research degree at the University of Adelaide allows for study at the forefront of discovery, with access to state-of-the-art research facilities, cross-disciplinary programs, and a connection to a globally integrated and culturally diverse community. The academic environment of the University pursues excellence, creativity of thinking, and innovation. With five Nobel Laureates, 155 Fulbright recipients and 115 Rhodes Scholars we provide graduates with the support and opportunity to make a major contribution to the world.

We look forward to welcoming you to the University of Adelaide.

A handwritten signature in black ink, appearing to read 'Peter Høj AC'.

Vice-Chancellor and President  
Professor Peter Høj AC

# One of Australia's top research universities

Excellence in Research for Australia (ERA) is an initiative of the Australian Government, which aims to assess research quality in higher education institutions.

It uses a combination of metrics focused on researchers, research outputs, research income, esteem and applied measures.

The most recent ERA results, released in March 2019, confirmed many of the University of Adelaide's fundamental research strengths in the areas of defence, cyber and space, health, minerals and

resources, energy and sustainability, and agrifood and wine.

## Excellence in Research for Australia (ERA)

[adelaide.edu.au/research/about-us/era](http://adelaide.edu.au/research/about-us/era)

The University of Adelaide is a world leader in fields that underpin innovation across industries critical to our State's and our community's future, and in areas that translate to benefits for society.

The high quality of our research across a vast array of fields was recognised in the 2018 Excellence in Research Australia (ERA) evaluation, conducted by the Australian Research Council (ARC). The ERA results released in March 2019 provide a comprehensive assessment of the University's research outputs for the period 2014- 2018 and demonstrate that the University is a clear world leader in research.

More than 22,500 individual research outputs by academic staff and affiliates of the University were assessed, including published papers, authored and edited books, book chapters, conference papers, and creative works.

The University now has 67 research sub-fields (100%) that are assessed to be world-class or above, including research in engineering, mathematics, science,

medical and health sciences, agricultural sciences, artificial intelligence, and the arts.

## Highlights

- 100% of the University's research sub-fields were assessed as being "at or above world standard".

Across all sub-disciplines of research assessed, the latest ERA has found that the University of Adelaide has:

- 41 research fields rated 5 (well above world standard)—the maximum rating
- 16 research fields rated 4 (above world standard)
- 10 research fields rated 3 (at world standard).

## One of Australia's top research universities

Established in 1874, the University of Adelaide has developed a reputation for research excellence and is one of the top research universities in Australia. The University's research initiatives are aimed at delivering real results that contribute to both Australian and international social, economic, cultural and environmental wellbeing.

Our research strategic plan, Future Making Research for the Nation 2022-2025, demonstrates how Adelaide has and continues to be central to the creation and dissemination of knowledge locally, nationally and internationally.

\* *Times Higher Education and QS ranking*

^ *A coalition of Australia's leading research intensive universities*

## Research strength and expertise

[adelaide.edu.au/research](http://adelaide.edu.au/research)

Our internationally recognised researchers make history with each new discovery—accelerating human progress and making our world a better place.

Adelaide's leading and aligned research strengths are identified as being in five key sectors:

- Agrifood and Wine
- Defence, Cyber and Space
- Energy and Sustainability
- Health
- Minerals and Resources.

## A global alumni network

[adelaide.edu.au/alumni](http://adelaide.edu.au/alumni)

University of Adelaide graduates become part of a distinguished worldwide alumni community. Internationally, Adelaide alumni occupy positions of influence in business, government, academia and the arts.

Adelaide has 20 alumni chapters and networks, including groups based in Hong Kong, Malaysia (Kuala Lumpur and Sarawak), Singapore, Thailand, the United Kingdom and the United States of America.

The chapters and networks offer graduates and friends of the University the opportunity to continue their connection through a variety of events and activities—from reunions and social events, to professional development and mentoring programs.

## Our Nobel Laureates

The Nobel Prize is an international award given yearly since 1901 for achievements in physics, chemistry, medicine, literature and peace. The University of Adelaide is associated with five Nobel Laureates, and has a long history of ground-breaking research and scholarship of international significance.

### 1915

**Sir William Henry Bragg and William Lawrence Bragg: Physics**

For their services in the analysis of crystal structure by means of X-rays.

### 1945

**Sir Howard Walter Florey: Physiology or Medicine**

For the discovery of penicillin and its curative effect in various infectious diseases.

### 2003

**John M Coetzee: Literature**

For his contribution to literature.

### 2005

**Dr J Robin Warren: Physiology or Medicine (joint)**

For his discovery of the bacterium *Helicobacter pylori*, and its role in gastritis and peptic ulcer disease.

Ranked in top 1%

(Times Higher Education and QS ranking)



Associated with 5 Nobel laureates



3rd most liveable city

Economist Intelligence Unit Global Liveability Index, 2019



Over 100 countries represented in student population



Member of the Group of Eight

A coalition of Australia's leading research-intensive universities

89

Ranked 89 in QS World University Ranking, 2024

111

Ranked 111 in Times Higher Education World University Rankings, 2024

132

Ranked 132 in Academic Rankings of World Universities (ARWU), 2022

# World-class research institutes



Our research institutes bring together world-renowned researchers and advanced facilities to meet challenges of national and global significance.

## Australian Institute for Machine Learning

[adelaide.edu.au/aiml](https://adelaide.edu.au/aiml)

AIML places South Australia on the global map of the world's best centres for artificial intelligence research and development. Australia's first and largest university-based group dedicated to machine learning, AIML continues to build on its strong track record of globally competitive research in computer vision AI; and works with industry, government and business to develop high-tech products and solutions for challenging problems.

## Defence and Security Institute

[adelaide.edu.au/defence-security](https://adelaide.edu.au/defence-security)

As the primary point of contact for accessing the defence and security research and education capabilities of the University, the Defence and Security Institute (DSI) plays a key role in the development of the Australian capabilities essential to our nation's defence, security, and prosperity. The DSI works closely with its key stakeholders to identify and facilitate long term strategic partnerships and transition research into product and practice. These partnerships help to achieve national security goals and the development of world leading capabilities and industry in South Australia.

## Institute for Photonics and Advanced Sensing

[adelaide.edu.au/ipas](https://adelaide.edu.au/ipas)

The Institute for Photonics and Advanced Sensing (IPAS) is a world-renowned research institution dedicated to pushing the boundaries of photonics, sensing and measurement technologies. IPAS is

known for its interdisciplinary approach, bringing together experts in physics, chemistry, engineering, and biology to create disruptive photonics solutions. IPAS's research spans a wide range of applications, from improving medical diagnostics and environmental monitoring to enhancing telecommunications and defence technologies. With a passion for innovation, we engage with a wide range of industries to understand and solve their measurement challenges.

## Institute for Sustainability, Energy and Resources

[adelaide.edu.au/iser](https://adelaide.edu.au/iser)

ISER leads globally transformative research that overcomes complexity, drives change, and creates value for a more sustainable future across all the UN Sustainable Development Goals (SDGs). ISER works strategically with industry and government partners on research opportunities to help Australia and South Australia (SA) achieve its green energy transition vision and continue to provide the research and innovation that has helped SA become globally leading in

renewable energy, directly through our globally leading researchers in hydrogen and sustainability issues such as supply chain, climate adaptation and social responsibility. Our website includes a list of sustainability courses and experts across the UN SDGs as well as our sustainable research strategy and links to our world leading research centres within the Institute.

## Robinson Research Institute

[adelaide.edu.au/rri](https://adelaide.edu.au/rri)

The Robinson Research Institute focuses on the early stages of life to improve the health and wellbeing of children and families over the life course, and across generations. It seeks to enable a healthy start through:

- fertility choices and mindful conception
- nurturing the baby during pregnancy and birth
- strengthening the brain and body in early life
- advancing child and adolescent health to treat and prevent disease.

## South Australian Immunogenomics Cancer Institute

[adelaide.edu.au/saigenci](https://adelaide.edu.au/saigenci)

SAiGENCI is South Australia's world-class cancer research institute, jointly resourced by the federal Department of Health, the Central Adelaide Local Health Network, and the University of Adelaide. The institute coordinates collaboration in the fight to control cancer and explore a cure, including with similarly focused centres of excellence all over the world. SAiGENCI will help develop world-class and life-changing treatments and improve the outcomes of patients with cancer.

## The Environment Institute

[adelaide.edu.au/environment](https://adelaide.edu.au/environment)

The Environment Institute is safeguarding the environment now, for future generations. We connect the knowledge and thought leadership of our multidisciplinary researchers to the world's most critical and complex environmental issues. We are committed to identifying actionable solutions that will preserve

and restore the environment and deliver tangible and lasting economic, societal, and cultural benefits. Our research focusses on local and global land, air, and water resources with the aim to halt and reverse environmental decline and influence a future that is healthy, diverse and equitable. The Institute achieves this by working in partnership with industry, Government, and the community.

## Waite Research Institute

[adelaide.edu.au/wri](https://adelaide.edu.au/wri)

The Waite Research Institute is the largest agricultural research hub in the Southern Hemisphere and plays a leading role in addressing global challenges such as food security and agricultural sustainability. It brings together a vast array of University of Adelaide researchers and co-located industry in the areas of:

- food innovation and novel food production
- wine and viticulture
- plant breeding
- sustainable agricultural systems

# Campuses of global standing

Our campuses are welcoming, dynamic places designed to support a wide range of experiences for staff, students and the community.

## Virtual tours

Explore our virtual video tours to discover your place among the iconic heritage-listed architecture and state-of-the-art facilities on our beautiful, historic main campus; experience our innovative Adelaide Health and Medical Sciences building in the heart of the Adelaide BioMed City precinct; or uncover the picturesque settings and advanced technology available at our satellite campuses, Waite and Roseworthy.

Visit: [adelaide.edu.au/tours](https://adelaide.edu.au/tours)



## North Terrace

The University's main campus is located on the city's cultural boulevard, North Terrace, in the heart of Adelaide. The campus boasts many grand, historic sandstone buildings and award-winning contemporary architecture. The University's five faculties are based at the North Terrace campus.

## Waite



Located approximately seven kilometres south-east of Adelaide, Waite is the pre-eminent plant and agricultural science hub in the Southern Hemisphere. It is also home to the Waite Research Institute.

## Roseworthy



Roseworthy is approximately 50 kilometres north of Adelaide. The campus is a world-renowned centre for excellence in dry-land agriculture and animal production and is also home to South Australia's only veterinary school.

# Our research facilities

Our research facilities

With more than 4000 research staff and students working together, supported by modern infrastructure and an innovative culture, the University of Adelaide has all the ingredients to help you tackle global research challenges and deliver positive impacts.

Whatever your area of inquiry, you'll find a wide range of cutting-edge research facilities and services available across our campuses to support you, such as our:

- health simulation facilities
- commercial wine science laboratory and microbrewery
- food innovation laboratory, sensory labs and industrial kitchen
- high performance supercomputer services
- material characterisation and fabrication facilities
- microscopy and microanalysis laboratories
- OMIC genetic technologies
- industrial-scale testing environments
- veterinary health centre and diagnostic laboratories.

Adelaide BioMed precinct



## Adelaide BioMed precinct

[adelaidebiomedcity.com/index.php/research-development/centres-and-facilities](https://adelaidebiomedcity.com/index.php/research-development/centres-and-facilities)

Located at the west end of North Terrace, Adelaide BioMed Precinct is the state's highest priority project for health, research and education infrastructure—and is also where the University of Adelaide's \$246M state-of-the-art Adelaide Health and Medical Sciences building can be found.

Co-located with the Royal Adelaide Hospital (RAH) and South Australian Health and Medical Research Institute (SAHMRI), the precinct offers mixed-use infrastructure where our researchers, clinicians and students work together with entrepreneurs and leading industry players to transform health education, research and patient care.

Hickinbotham Roseworthy Wine Science Laboratory



Veterinary Health Centre



## Veterinary Health Centre

Our 1,600 hectare Roseworthy campus (situated 50kms north of Adelaide) is an internationally-recognised centre for excellence in dry land agriculture, natural resource management and animal production.

Our Veterinary Health Centre, which is open to the public, houses the Companion Animal Health Centre, a veterinary clinic and hospital; the Veterinary Diagnostic Laboratory (VDL), housing diagnostic pathology; as well as teaching laboratories and skills suites.

EXTERRES Laboratory



## Extraterrestrial Environmental Simulation Laboratory (EXTERRES)

[set.adelaide.edu.au/atcsr/space-research/exterres-laboratory](https://set.adelaide.edu.au/atcsr/space-research/exterres-laboratory)

Our state-of-the-art EXTERRES facility is specifically designed to simulate off-Earth environments—providing researchers and industry with a range of services that support the design, testing and development of technologies and processes destined for the lunar and Martian surface.

It includes two rover testing pits, two Regolith Thermal Vacuum Chambers (RTVACs) and a regolith processing zone. The laboratory will also house the most complete off world regolith simulant library available in the southern hemisphere.

## Hickinbotham Roseworthy Wine Science Laboratory

[set.adelaide.edu.au/agriculture-food-wine/research/facilities/hickinbotham-roseworthy-wine-science-laboratory](https://set.adelaide.edu.au/agriculture-food-wine/research/facilities/hickinbotham-roseworthy-wine-science-laboratory)

As the largest teaching winery in Australia, built to standard commercial winery size and specification, the winery offers unique capacity/capabilities and a range of winemaking tools. Operational since the early-1990s, 70% of Australia's wine research and development is conducted through small-scale, proof-of-concept winemaking trials at Waite.

Our research facilities

# Adelaide the perfect city for students

Adelaide has a bustling, energetic city centre and is renowned for its festivals, cultural life and sporting events. With great shopping, beaches, a cafe culture, affordable student accommodation and friendly residents, Adelaide offers a relaxed lifestyle with all the convenience of city living. Our innovation precincts, such as Adelaide BioMed City and Lot Fourteen, attract multinationals, nurture entrepreneurship, and foster an ever-evolving spirit of creativity and invention.



## Australia's most affordable mainland city

Safe and relaxed, Adelaide is ranked as one of the world's most liveable cities\*—and with a cost of living up to 14% lower than Sydney or Melbourne, it also comes in as one of Australia's most affordable mainland cities^.



## Home to innovation

Adelaide is home to a globally impactful innovation ecosystem. Our future industries focused precincts—from Adelaide BioMed City to Lot Fourteen— attract multinationals and nurture entrepreneurship across the city.



## Culturally diverse

South Australians hail from over 120 different countries, creating a wonderful mix of cultures and influences. One in five South Australians were born overseas!

Adelaide - the perfect city for students

Adelaide - the perfect city for students



East End Entertainment Precinct

The University of Adelaide

Rundle Mall

Government House

Adelaide Railway Station

Adelaide Festival Centre

Adelaide Health and Medical Sciences Building

Adelaide Oval

Royal Adelaide Hospital

\* Economist Intelligence Unit Global Liveability Index, 2021

^ Study Adelaide [studyadelaide.com](http://studyadelaide.com)

# We'll support you on your journey

The University offers a range of support services to help international students succeed.

Friendly staff are available to help with a range of issues, from helping students manage their studies to assisting with enquiries relating to visa conditions or academic support. They also support students to address personal issues that may be affecting their studies, or simply help them adjust to their new life in Adelaide. In addition, doctors at our North Terrace campus Health Practice can provide students with year-round health support at a reduced fee.

## International Student Support

[international.adelaide.edu.au/international-student-support](http://international.adelaide.edu.au/international-student-support)

Services include: one-on-one support from International Student Advisors for help with personal or financial issues; orientation and social programs to encourage engagement with other students and the broader community; and assistance with Confirmation of Enrolment (CoE) and student visa-related queries.

## Careers Services

[adelaide.edu.au/student/careers](http://adelaide.edu.au/student/careers)

The service provides individual advice and employability workshops to help students develop career management skills; an extensive database of employment opportunities and resources known as CareerHub; and annual career-related events including the Careers Expo and employer-on-campus sessions. The service also offers expertise in locating graduate vacancies based offshore and within Australia.

## Women in STEM Careers program (WiSC)

[set.adelaide.edu.au/women-in-stem](http://set.adelaide.edu.au/women-in-stem)

WiSC provides professional development opportunities for young women studying a STEM degree at the University of Adelaide.

## Writing Centre

[adelaide.edu.au/writingcentre](http://adelaide.edu.au/writingcentre)

Support with writing academic English through one-on-one advice from writing mentors, workshops and comprehensive support resources.

## Maths Learning Centre

[adelaide.edu.au/mathsllearning](http://adelaide.edu.au/mathsllearning)

Help for all students to develop mathematics skills at every level, with drop-in sessions, lectures, games and resources.

## Peer Assisted Study Sessions (PASS)

[adelaide.edu.au/pass](http://adelaide.edu.au/pass)

Regular extracurricular sessions led by student mentors to help students improve their grades in specific courses.

## Childcare

[adelaide.edu.au/childcare](http://adelaide.edu.au/childcare)

Full-time and part-time care for children of students and staff is available for a fee, with locations at our North Terrace and Waite campuses.

## Counselling Support

[adelaide.edu.au/counselling](http://adelaide.edu.au/counselling)

Support is free, confidential and available to onshore enrolled students seeking to address issues that may affect their study or life.

## Disability Support

[adelaide.edu.au/disability](http://adelaide.edu.au/disability)

The Disability Support team provide personalised advice and assistance to students who have a diagnosed disability or ongoing medical condition, to help them identify relevant reasonable adjustments to help with their studies.

## Elite Athlete Support

[adelaide.edu.au/eliteathletes](http://adelaide.edu.au/eliteathletes)

Support to help elite student athletes balance their academic and sporting commitments, by providing a flexible and responsive approach to study.

## Student Health and Wellbeing

[adelaide.edu.au/student/wellbeing](http://adelaide.edu.au/student/wellbeing)

An online resource to provide information and support to students on a range of health and wellbeing topics, campaigns and events.

## Health Practice

[universityhealthpractice.com.au](http://universityhealthpractice.com.au)

Comprehensive health care is available at a reduced fee for all students and staff, with male and female doctors (GPs), offering health checks, immunisations and mental health support.

## Library

[adelaide.edu.au/library](http://adelaide.edu.au/library)

One of the state's most extensive research collections, also offering quiet study spaces, and support from specialist research librarians.

# Be part of our community

The University of Adelaide offers a stimulating environment where students are encouraged to take part in a wide range of extracurricular activities.

## Social programs

[international.adelaide.edu.au/life-on-campus/social-programs-clubs-and-sports](http://international.adelaide.edu.au/life-on-campus/social-programs-clubs-and-sports)

The University offers a variety of social programs to help international students adjust to their studies and make new friends. These include ongoing English conversation practice (Talking with Aussies), regular culturally-themed social nights (Language and Cultural Engagement program), a chance to improve intercultural and employability skills (Global IQ Connect) and opportunities to develop leadership and employability skills (Peer Mentor program).

## StudyAdelaide

[studyadelaide.com](http://studyadelaide.com)

StudyAdelaide provides information and support to students both before they arrive in Adelaide and after they settle into life in their new home. It conducts a busy schedule of events and activities each year. These include

everything from a welcome ceremony with the Lord Mayor, international student awards, career advancement workshops, wine education functions and regional trips to social events, such as sports days.

Facebook: [facebook.com/studyadelaide](https://facebook.com/studyadelaide)

Twitter: @studyadelaide

Instagram: @studyadelaide

## Life on campus

- YouX  
[youx.org.au](http://youx.org.au)

## Student services

- Student Care  
[youx.org.au/support/studentcare](http://youx.org.au/support/studentcare)
- Employment  
[youx.org.au/support/employment](http://youx.org.au/support/employment)
- Special-interest and social clubs  
[youx.org.au/interests/clubs](http://youx.org.au/interests/clubs)

## Sporting clubs and facilities

- Adelaide University Sport  
[adelaide.edu.au/sports](http://adelaide.edu.au/sports)
- The Fitness Hub  
[adelaide.edu.au/sports/the-fitness-hub](http://adelaide.edu.au/sports/the-fitness-hub)





# A place to call home

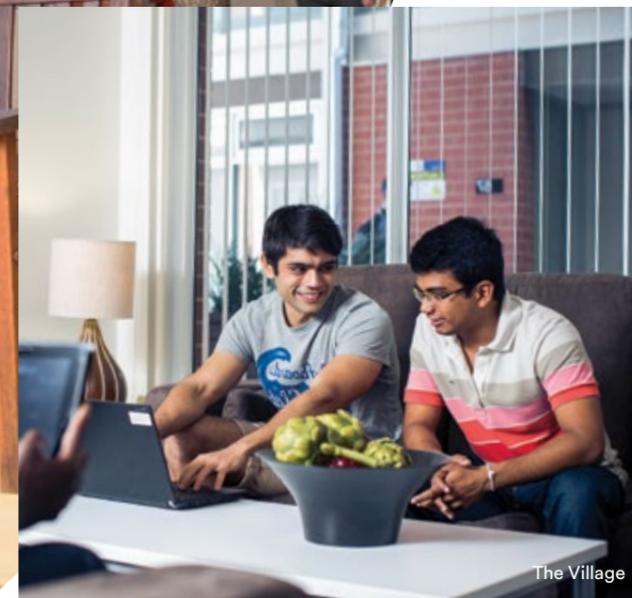
A place to call home

How you live will affect how you study, which is why the University has an Accommodation Service dedicated to assisting students to find accommodation to suit each individual's particular needs and circumstances.

## Options

Students traditionally choose one of three accommodation options:

- For the lucky ones there may be the option of living with family members..
- More affordable accommodation is generally found in the share or private rental market.
- There is managed student accommodation offering all student residential environments, fully furnished accommodation with staff on site, situated in convenient locations to university.



The Village



The Village

## Accommodation Service

The University of Adelaide provides students and their families, our network of valued school counsellors and international education agents access to a dedicated Accommodation Service.

Our professional team of accommodation specialists are available to assist our university community to provide general accommodation information, tenancy support and to apply for an accommodation place in student accommodation.

Book an online appointment with a specialist accommodation officer or meet one in person at the Accommodation Service on North Terrace campus.

Specialist accommodation support made available to our students through the Accommodation Service includes:

- access to NPAS accredited student accommodation and other student accommodation options
- access to the rental database (students and providers) for private and shared accommodation.

## Further enquiries

Accommodation Service  
Level 3, Hub Central, North Terrace

Operating hours  
Monday – Friday: 9am – 5pm

T: +61 8 8313 5220 (24hrs/7days)  
E: [accommodation@adelaide.edu.au](mailto:accommodation@adelaide.edu.au)  
W: [adelaide.edu.au/accommodation](http://adelaide.edu.au/accommodation)

## Important considerations

The Accommodation Service works hard to help students to avoid the possibility of being distracted from their studies by a challenging accommodation arrangement.

Disruption to study can be caused by:

- Relationships – with landlords, property agents and housemates.
- Conflicting lifestyles – studying at night vs. studying during the day.
- Distance – distance from university equals time.

## Managed student accommodation

We generally find that students who choose a managed student accommodation in their first year are better prepared to thrive in share or private rental accommodation in subsequent years. More information about managed student accommodation can be found on the Accommodation Service website.

## Share and private rental accommodation

Students are encouraged to consider a managed student accommodation option in their first year of study. By doing so, you will have time to settle into your academic routine, get used to the public transport network, identify your ideal location and amenities, and find a landlord committed to your safety and wellbeing.

If you choose private rental accommodation we encourage you to:

- Access the University's rental database ([adelaide.edu.au/accommodation](http://adelaide.edu.au/accommodation)) to view options from providers associated with our university community
- Book temporary accommodation for your arrival in Adelaide, and give yourself plenty of time to inspect a number of rental properties before making a selection
- Refrain from committing to a share or private rental option unless it's underpinned by a written agreement ensuring that you will receive a receipt for all payments, including security bonds.



## Hit the beach

Adelaide is a coastal city, with pristine white sandy beaches that attract thousands for relaxation and recreation in the summer. It takes just 20 minutes on the tram to get from the city centre to the beach.

## Live centrally

Student accommodation is more affordable in Adelaide than in many other Australian cities, and much of it is in the heart of the Central Business District. Many students can simply walk to their lectures.

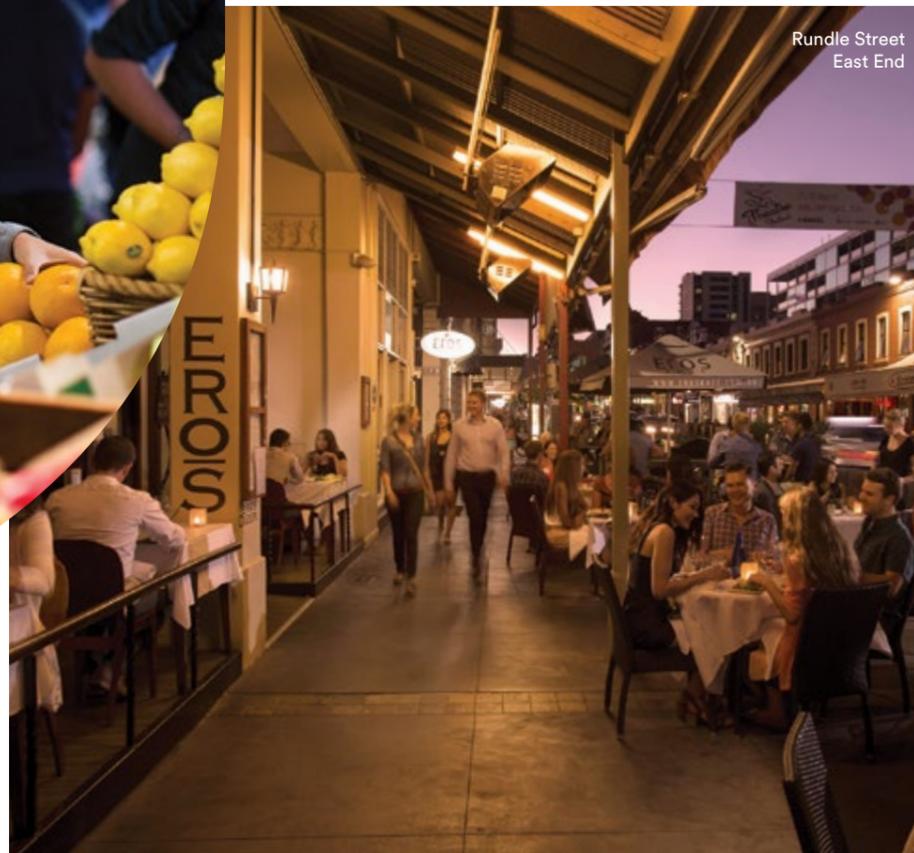
State stats	
Area	983,482 km <sup>2</sup>
Capital	Adelaide
Coastline	5,059 km
Population	Adelaide: 1.3m South Australia: 1.7m
Currency	Australian dollar (AUD)
Official language	English
Major industries	Includes bioscience, defence, minerals and energy, and wine



Glenelg Beach



Adelaide Central Market



Rundle Street East End



La Moka cafe

## Café culture

Adelaide is one of Australia's most cosmopolitan cities, with an array of cafés, restaurants and shops reflecting the diversity of its ethnic communities. Adelaide is reputed to have more cafés and restaurants per head of population than any other city in Australia.

## Shopping

Adelaide boasts a range of shopping experiences comparable to anywhere in Australia. Within the CBD, Rundle Mall has the biggest concentration of department and chain stores, while within walking distance are trendy boutiques, bars and cafés.

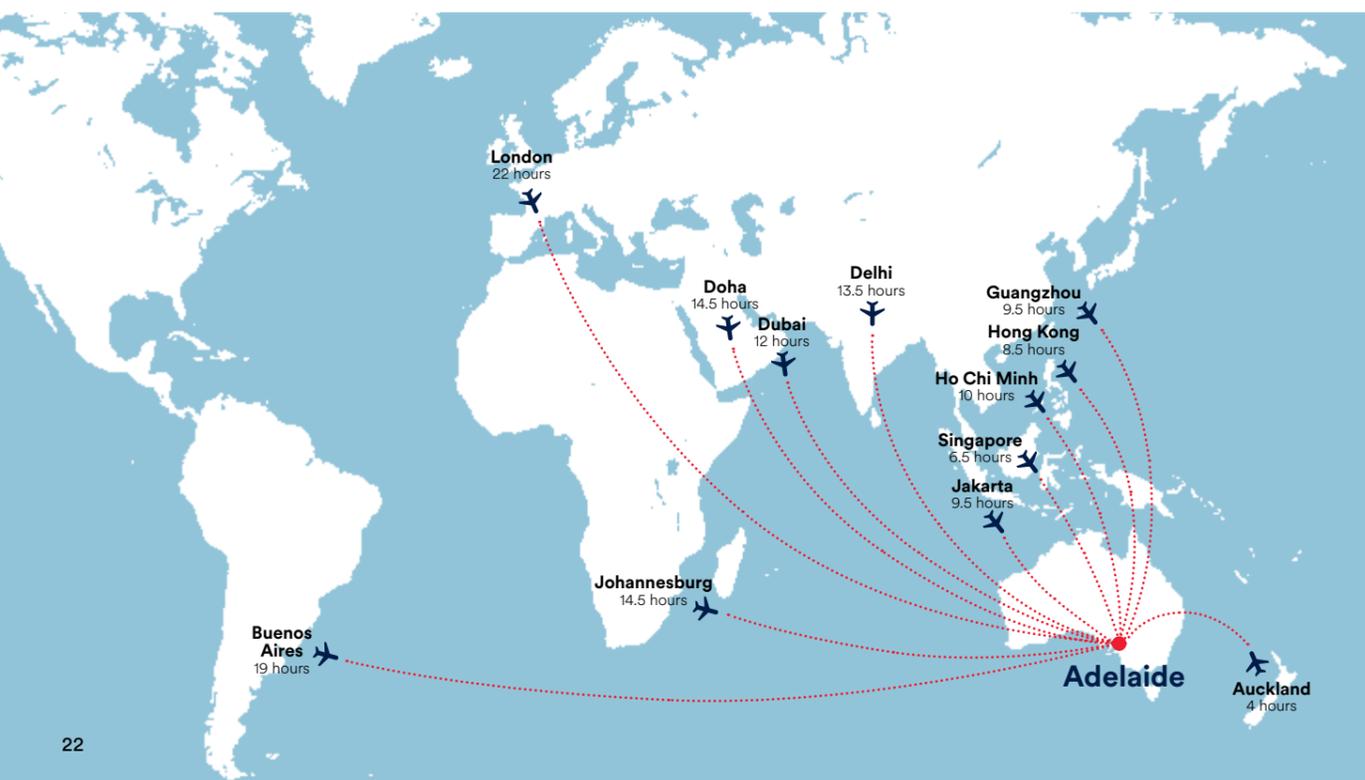
## Climate

Warm, dry summers and short, mild winters. Over 300 days of sunshine per year.

Season	Months	Conditions	Temp
Summer	Dec – Feb	Mainly hot/dry	25 – 35°C
Autumn	Mar – May	Mainly dry	20 – 25°C
Winter	Jun – Aug	Cool and wet	10 – 15°C
Spring	Sept – Nov	Some rain	20 – 25°C



## Flight hours to Adelaide



## Spirit of innovation

Home to a globally impactful innovation ecosystem, Adelaide is known for cultivating thought leadership in technology, science, and health.

Our innovation precincts—from Adelaide BioMed City to Lot Fourteen—attract multinationals and nurture entrepreneurship across the city. Lot Fourteen alone houses 59 startups and 152 established businesses, with the aim of creating high-value jobs in defence, tech, space, and the creative industries.

Adelaide's ever-evolving spirit of collaboration and forward-thinking means there are always opportunities for networking, new ideas, and career growth.

## Easy to get around

Adelaide is a vibrant city that's easy to navigate. Broad, spacious boulevards accommodate an efficient network of public buses, trains and trams, with international students receiving the same discounts as locals.

## Festival fever

South Australia is known as the festival state of Australia because of the large number of national and international cultural and sporting festivals it hosts per year.

# Dive deep. Climb high.

Every day, a PhD candidate discovers something new. It's a vital, and inspiring, role in human society; creating knowledge, and making the unknown known. There are so many reasons to start your greatest adventure.



## Follow your passion

Is there a subject you could talk about all day long? A question that puzzles you day and night? Maybe you simply find profound joy in science and discovery? A PhD gives you the chance to fully immerse yourself in what interests you the most.

## Carve your own niche

A PhD is all about creating completely novel knowledge. Through it, you will discover new information and answer previously unanswered questions. No matter how niche the subject area, a PhD is your pathway to becoming a one-of-a-kind world expert.

## Enhance your capabilities

You'll develop a suite of highly valuable and transferable skills: research and analysis, organised, critical and lateral thinking; problem-solving; discipline; resilience; communication; presentation; project management; teamwork; and technical writing, to name a few.

## Expand your range of experience

PhDs present all sorts of exciting personal and professional opportunities, from conferences and field trips with local and international travel to exclusive collaborations. It's a fantastic way to broaden your horizons.

## Gain gravitas

Having a PhD does a lot more than put 'Dr' in front of your name. This level of qualification will give your opinions and advice real weight, helping you positively influence others and create lasting change.

## Elevate your leadership and earning potential

A PhD is an important personal and professional achievement—and one that's recognised globally. Industries worldwide are seeking research experience and many senior and leadership roles require the completion of this degree. In some sectors, your earning potential will increase significantly.

## Learn to thrive in uncertainty

You will develop the ability to set and work to your own agenda, demonstrating you've got what it takes to self-manage and tackle next-generation challenges in changing work landscapes—highly sought-after skills.

## Build valuable networks

Collaboration is at the heart of any PhD. Whether you're working with industry, alongside other students, or under the wing of a lead researcher, you'll always be meeting new people and building important connections around the globe—not to mention presenting your findings to them.

## Make a meaningful contribution in your field

Adding anything to the sum of human understanding is no small feat. While your work may not necessarily lead to a scientific paradigm shift, it will, by definition, shed new light in a reliable, documented way and ultimately move humanity forward.

## Boost your confidence and independence

Adding the highest tertiary qualification available to your resume will improve more than your job prospects. If you can conquer a PhD, you can conquer anything.

### History in the making

## Lightning-fast Internet, super-safe med-tech

**Harrison Lees** *PhD candidate in applied electromagnetics*

Imagine if we could all access home Internet speeds around 1,000 times faster than currently possible. Or have biomedical images taken that show everything an X-ray does, but with zero risk of tissue damage.

These are just two of the incredible potential outcomes that Harrison's PhD research could deliver. He's leading development of a tiny, all-silicon integrated circuit platform that will be the world's lowest-loss broadband terahertz waveguide—enabling humanity to harness the remarkable properties of terahertz radiation.

Harrison's work has already attracted R&D partners in the defence, medical, and agricultural industries, and he couldn't be happier. "The process of seeing a system you conceived, designed and tested come to life is hugely satisfying," he says.



# Adelaide Graduate Research School (AGRS)

The Adelaide Graduate Research School is dedicated entirely to supporting research students.

Led by Professor Carolin Plewa—Pro-Vice Chancellor Researcher Education and Development, and Dean of Graduate Studies—the Graduate Research School is a one-stop shop for students enrolled in a higher degree by research. The School manages scholarship allocations and delivers essential information and services throughout students' degrees from admission to examination.

One of the school's functions is to facilitate exciting industry internship and joint award opportunities for students to broaden their research careers and gain a truly international experience. These opportunities are highly sought-after, and provide a significant employment advantage.

The Graduate Research School also delivers Career and Research Skills Training (CaRST), a specialised training and development program for higherdegree-by-research students. The CaRST program equips students with the skills needed to become effective, well-rounded researchers, prepared for careers both within and outside academia. Its holistic approach incorporates a high degree of flexibility, enabling students to tailor activities to suit their needs.

## Helpful links

**Industry opportunities**  
[adelaide.edu.au/graduate-research/career-development/industry-opportunities](https://adelaide.edu.au/graduate-research/career-development/industry-opportunities)

**Career development**  
[adelaide.edu.au/graduate-research/career-development](https://adelaide.edu.au/graduate-research/career-development)

## Contact us

Adelaide Graduate Research School  
Level 10, Schulz Building  
North Terrace

T: +61 8 8313 5882

E: [graduate.research@adelaide.edu.au](mailto:graduate.research@adelaide.edu.au)

W: [adelaide.edu.au/graduate-research](https://adelaide.edu.au/graduate-research)

# How to apply

## Step 1

### Check your eligibility

#### For the Doctor of Philosophy

To gain admission into a PhD, you'll need to hold one of the following:

- relevant University of Adelaide honours degree (or equivalent), with at least a second-class honours (upper division)
- postgraduate coursework degree which contains a significant research component and meets the minimum GPA requirements
- relevant University of Adelaide MPhil (or equivalent).

You'll also need to meet the University's English language proficiency requirements. For details, visit: [adelaide.edu.au/graduate-research/future-students/how-to-apply/english-language-requirements](https://adelaide.edu.au/graduate-research/future-students/how-to-apply/english-language-requirements)

#### For the Master of Philosophy

To meet the minimum academic standing required for admission to an MPhil you'll need to have completed a relevant University of Adelaide bachelor degree (or equivalent), with a distinction average.

## Step 3

### Explore our scholarships

The University of Adelaide offers several scholarship schemes for domestic students commencing postgraduate research.

A range of government- and University-funded scholarships are awarded on academic merit and research potential for full-time study towards a MPhil or PhD. In recent years, successful applicants have held first-class honours degrees or equivalent qualifications.

Additionally, there are other opportunities that include externally funded major awards, top-ups, industry programs and placements, allowances for operating costs, and travel scholarships.

For more information on scholarship opportunities, visit: [scholarships.adelaide.edu.au](https://scholarships.adelaide.edu.au)

## Step 2

### Find your supervisor

While your academic credentials will determine your eligibility for a graduate research degree, your likelihood of receiving an offer will largely be determined by:

- alignment of your interests with an area of research at the University, and potential supervisors' work
- supervisors' capacity to accept you as a student.

Before applying for admission and/or scholarship, you'll need written confirmation of supervisory support from an eligible principal supervisor.

Like some help identifying the right person?

To request assistance in finding a suitable supervisor, email us at: [research\\_degrees@adelaide.edu.au](mailto:research_degrees@adelaide.edu.au)

## Step 4

### Submit your application

A well-prepared application is considered favourably when the University is assessing you for admission to a higher degree by research.

Before lodging your application, make sure you have all required documentation in order. Visit the Adelaide Research Graduate School website and follow the five simple steps to apply: [adelaide.edu.au/graduate-research/future-students/how-to-apply#international-application-rounds](https://adelaide.edu.au/graduate-research/future-students/how-to-apply#international-application-rounds)

# Which degree is right for you?

## Doctor of Philosophy (PhD)

A PhD is the basic qualification for a research career or academic position, and is a stepping-stone to a range of career opportunities.

It involves: three to four years of research for a full-time candidate, or the equivalent in half-time candidature; and, when undertaken with us at the University of Adelaide, 120 hours of professional development in our world-class Career and Research Skills Training (CaRST) program.

### Joint PhDs with international partner institutions

You can also undertake a PhD jointly with the University of Adelaide and an international partner institution. This includes, but is not limited to, the following universities:

- University of Nottingham (UK)
- University of Copenhagen (Denmark)
- Shanghai Jiao Tong University (China)
- University of Nagoya (Japan).

## Master of Philosophy (MPhil)

The MPhil is conducted over 18 to 24 months of full-time study, or the equivalent in half-time candidature.

The key aim of this program is to train students in research methodology and techniques, and to engage them in the critical evaluation of literature and results in their field of research at an advanced level.

While the MPhil may contain a significant coursework component, the focus of the degree is very much on research, so upon graduation you would be well placed to progress to a PhD. It can also greatly increase your career opportunities in its own right, whether in industry, government or academia.

## History in the making

### Predicting orbiting objects' paths

Chee-Kheng Chng  
*PhD candidate in machine learning*

Things are getting pretty crowded up there; the US Space Command now tracks almost 35,000 objects in low Earth orbit. So in the interests of keeping valuable items safe, such as satellites, it pays to be able to accurately calculate their path, as quickly and easily as possible.

Through his PhD project AI4SPACE, Chee-Kheng is finding an answer. With support from defence prime Lockheed

Martin, he's developing a novel algorithm that can accurately estimate a satellite's orbit simply by evaluating a long-exposure digital image of it.

Chee Keng is also exploring the use of various techniques to help identify distant stars, and reconstruct the shape of objects in space. "I love learning new stuff," he says. "The privilege of being able to sit down and ponder every day is something I don't take for granted."



# Research programs



## Doctor of Philosophy

**Course duration** 3-4 years full-time  
**Availability** All faculties

The Doctor of Philosophy (PhD) is the fundamental qualification for a research career or academic position, and is a stepping stone to a range of career opportunities. The PhD typically involves three to four years of full-time research candidature. However, students are permitted to submit their thesis after just two years if their research is complete.

- Doctorates at the University of Adelaide require compulsory participation in the Career and Research Skills Training (CaRST) program where students complete 120 hours of CaRST activities prior to thesis submission. In the course of completing the degree under appropriate supervision, candidates develop the capacity to conduct research independently at a high level of originality and quality, and make a significant original contribution to knowledge in their chosen discipline.

The opportunity to undertake a funded 3-month, research internship is a defining feature of the Adelaide PhD\*; students can build critical skills and expertise, while solving real world problems and gaining a significant employment advantage.

After completion of the program of study and research under supervision, the student presents a thesis embodying the results of original investigation and undertakes an oral examination (thesis defence/viva voce).

The written thesis may be prepared in one of the following formats:

1. Conventional written narrative.
2. Publication. This may include manuscript-style papers that have been published; and/or accepted and/or submitted for publication; and/or unpublished and unsubmitted.
3. A combination of conventional and publication formats.
4. A major (creative, musical or visual) work (Volume 1) and exegesis (Volume 2).

\*Conditions apply

## Master of Philosophy

**Course duration** 1.5-2 years full-time  
**Availability** All faculties  
**Stream**

1. Mixed research and coursework
2. 100% research

The Master of Philosophy is offered in every University of Adelaide Faculty as the primary research master degree available to prospective research students. Master of Philosophy students are trained in research methodology and techniques, and engaged at an advanced level in the critical evaluation of literature and results in the substantive area of the thesis. Participation in the Career and Research Skills Training (CaRST) program is compulsory, and requires completion of 60 hours of activities prior to thesis submission.

Where a student is approved to undertake a Master of Philosophy by mixed research and coursework, one-third of the degree (15 credit points) will be completed by coursework and the remaining two-thirds of the degree by research, culminating in the production of a thesis.

## Master of Clinical Science

**Course duration** 1-2 years full-time  
**Availability** Faculty of Health and Medical Sciences

**Streams** Available in mixed coursework and research, or 100% research streams.

The Master of Clinical Science provides an introduction to clinically based research for candidates presenting with clinical qualifications and experience.

As with the Master of Philosophy, where a student is approved to undertake a Master of Clinical Science by mixed research and coursework, one-third of the degree (15 credit points) will be completed by coursework and the remaining two-thirds of the degree by research, culminating in the production of a thesis.

Students can choose to specialise in one of the following research areas:

- Nursing
- Medicine
- Dentistry
- Public Health
- Counselling and Psychotherapy.



Partner university	Fields of research
University of Nottingham (United Kingdom)	All faculties/schools
University of Copenhagen (Denmark)	All faculties/schools
Shanghai Jiao Tong University (China)	Life science and biotechnology
University of Freiburg (Germany)	All faculties/schools
University of Nagoya (Japan)	Medicine, medical sciences and biomedical engineering

### Jointly awarded PhD programs with international collaborators (including Cotutelle opportunities)

University of Adelaide international research students are also able to apply for PhD programs jointly awarded with an international collaborator.

Adelaide works closely with a number of key international partners in this way, including those listed in the table below.

This list of partner universities and associated research fields is not exclusive, but does reflect an emphasis Adelaide is keen to support. Joint awards may also be negotiated on an individual basis with any highly ranked international university that we already collaborate with or have sound strategic reasons to strengthen our links with. Such individual agreement is known as a 'Cotutelle'.

The key benefits of enrolling in an international jointly awarded PhD program are that it provides a means to:

- enhance two-way international research collaboration
- gain international study and experience at two high quality institutions
- work in two countries, experience different cultures and access specialist research facilities
- potentially access new funding sources
- develop professional networks.

Enquiries concerning participation in cotutelle or other jointly awarded doctorates should be directed to [research\\_degrees@adelaide.edu.au](mailto:research_degrees@adelaide.edu.au) in the first instance.

### Industry opportunities

The University of Adelaide also provides industry engagement opportunities for enrolled higher degree by research students. Our unique industry engagement programs allow you to apply and further develop professional skills in your specific field and chosen career. Students can solve real world problems, while gaining a significant employment advantage. Eligible three-month research internships are supported with a living stipend.

More information can be found here: [adelaide.edu.au/graduate-research/career-development/industry-opportunities](http://adelaide.edu.au/graduate-research/career-development/industry-opportunities)



Adelaide Health and Medical Sciences building

# English language proficiency requirements

Demonstrating the required level of English language proficiency is a minimum requirement for admission to a Higher Degree by Research and your application will not be accepted if you do not meet the University's language requirements.

The University will not require English evidence for:

- Any applicant who is a citizen and holds a passport from one of the following countries: Canada (English speaking provinces only), New Zealand, the Republic of Ireland, the United Kingdom and the United States.
- Any applicant who has completed study at a Bachelor degree level or above from an Australian institution (onshore) within the last five years preceding the relevant semester intake.
- Any applicant who has satisfactorily completed study at a Bachelor degree level or above from one of the following countries: Canada (English speaking provinces only), New Zealand, the Republic of Ireland, South Africa, the United Kingdom or the United States for at least one of the last two years, or at least two of the last five years, preceding the relevant semester intake.

Applicants who **do not** meet the above criteria will be required to demonstrate English language proficiency in the form of a valid English test that has been taken within the two years preceding the relevant semester intake.

The University accepts the following test types, noting that only tests that have been taken at an **official test centre** can be accepted:

- IELTS (International English Language Testing System) Academic
- TOEFL (Test of English as a Foreign Language) Internet Based Test
- PTE (Pearson Test of English) Academic
- C1 Advanced (formerly CAE – Cambridge English: Advanced)

For further information regarding the English test scores required for entry to each area please visit: [adelaide.edu.au/graduate-research/future-students/how-to-apply/english-language-requirements](http://adelaide.edu.au/graduate-research/future-students/how-to-apply/english-language-requirements)

For a Semester 1 intake, an English test must have been taken within the two years preceding 1 January of the relevant year. For a Semester 2 intake, an English test must have been taken within the two years preceding 1 July of the relevant year.

**Scholarship applicants:** Applicants applying in a University of Adelaide scholarship round must provide evidence of meeting the English requirements by the application closing date and, as scholarship rounds are relevant to specific intakes, English tests must be valid for the corresponding intake.

Applicants wishing to enrol in the Pre-enrolment English Program (PEP) are required to meet the English requirements for Higher Degree by Research outlined at: [adelaide.edu.au/elc/our-courses/pre-enrolment-english-program-pep/how-many-weeks-of-pep-do-i-need/academic-english](http://adelaide.edu.au/elc/our-courses/pre-enrolment-english-program-pep/how-many-weeks-of-pep-do-i-need/academic-english)

Applicants who meet the English requirements by successfully completing the PEP are ineligible to be considered for a University scholarship.

## Minimum English language requirements - Academic entry criteria

### 6.5- Minimum English language proficiency requirements – Academic entry criteria

**HDR Lower Requirements – Applicable to all Postgraduate Research programs in the following academic areas:**

- Centre for Automotive Safety Research
- School of Architecture and Civil Engineering
- School of Chemical Engineering
- School of Computer and Mathematical Sciences
- School of Electrical and Mechanical Engineering

IELTS (Academic)	TOEFL (Internet based test)	Pearson Test of English (Academic)	C1 Advanced
Overall score: 6.5 All other bands: 6.0	Total score: 79 Writing: 21 Speaking: 18 Listening and reading: 13	Overall score: 58 All other bands: 50	Overall score: 176 All other bands: 169

### 6.5 – Minimum English language proficiency requirements – Academic entry criteria

**HDR General Requirements – Applicable to all Postgraduate Research programs in the following academic areas:**

- Adelaide Dental School
- Adelaide Medical School
- School of Biomedicine
- South Australian Immunogenomics Cancer Institute
- The Joanna Briggs Institute (School of Public Health)
- School of Agriculture, Food and Wine
- School of Animal and Veterinary Science
- School of Biological Sciences
- School of Physics, Chemistry and Earth Sciences
- School of Economics and Public Policy

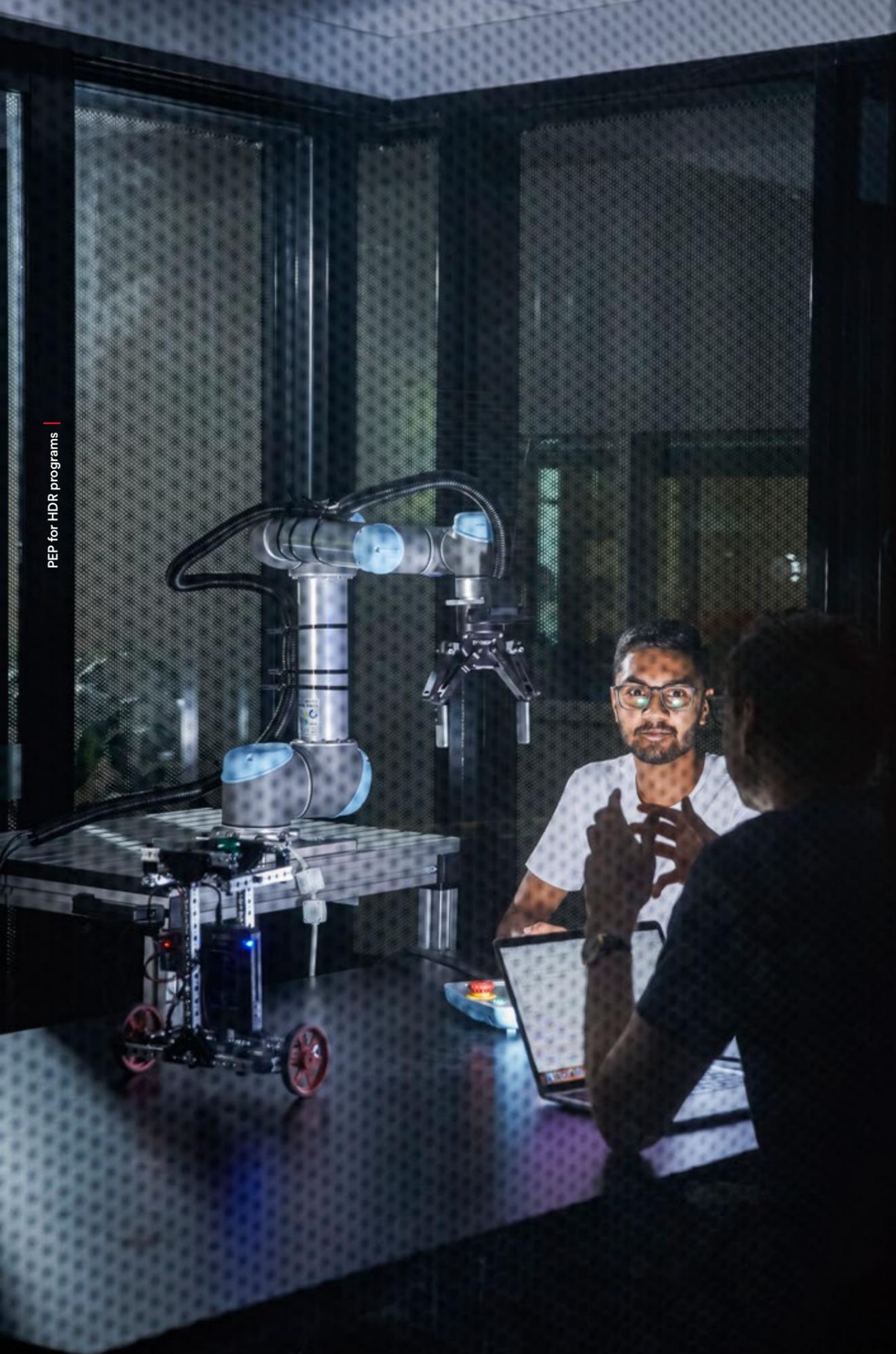
IELTS (Academic)	TOEFL (Internet based test)	Pearson Test of English (Academic)	C1 Advanced
Overall score: 6.5 Writing and speaking: 6.5 Listening and reading: 6.0	Total score: 79 Writing: 24 Speaking: 22 Listening and reading: 13	Overall score: 58 Writing and speaking: 58 Listening and reading: 50	Overall score: 176 Writing and speaking: 176 Listening and reading: 169

### 7.0 – Minimum English language proficiency requirements – Academic entry criteria

**HDR General Requirements – Applicable to all Postgraduate Research programs in the following academic areas:**

- School of Education
- School of Humanities
- School of Social Sciences
- Elder Conservatorium of Music
- Adelaide Business School
- Adelaide Law School
- Adelaide Nursing School
- School of Allied Health Science and Practice
- School of Psychology
- School of Public Health (except for The Joanna Briggs Institute)

IELTS (Academic)	TOEFL (Internet based test)	Pearson Test of English (Academic)	C1 Advanced
Overall score: 7.0 Writing and speaking: 7.0 Listening and reading: 6.5	Total score: 94 Writing: 27 Speaking: 23 Listening and reading: 20	Overall score: 65 Writing and speaking: 65 Listening and reading: 58	Overall score: 185 Writing and speaking: 185 Listening and reading: 176



# PEP for HDR programs

(Higher Degree by Research)

The Pre-Enrolment English Program (PEP) is a direct entry pathway into further studies at the University of Adelaide for students that have not met the minimum English language entry requirements of their award program.

Entry into the University of Adelaide is dependent upon successful completion of the course components. If you successfully complete the Pre-enrolment English Program (PEP), you will not be required to complete another English test prior to entry into your chosen University program.

The length of your program depends on your English proficiency test score and the entry requirements of your intended program.

The University of Adelaide accepts the following test types:

- IELTS (International English Language Testing System) Academic
- TOEFL (Test of English as a Foreign Language) Internet Based Test

- PTE (Pearson Test of English) Academic
- C1 Advanced (formerly CAE – Cambridge English: Advanced)

To find the English Language Requirements for your intended program, please refer to Degree Finder: [adelaide.edu.au/degree-finder](https://adelaide.edu.au/degree-finder)

For entry into a Higher Degree by Research program, the PEP is offered in lengths of 10 and 15 weeks depending on your English proficiency test score. For program information and to determine the number of weeks required to study in the PEP, please refer to [adelaide.edu.au/elc/our-courses/pre-enrolment-english-program-pep/how-many-weeks-of-pep-do-i-need](https://adelaide.edu.au/elc/our-courses/pre-enrolment-english-program-pep/how-many-weeks-of-pep-do-i-need)

#### English Language Centre (ELC)

The University of Adelaide  
SA 5005 Australia

T: +61 8 8313 4777

E: [elc@adelaide.edu.au](mailto:elc@adelaide.edu.au)

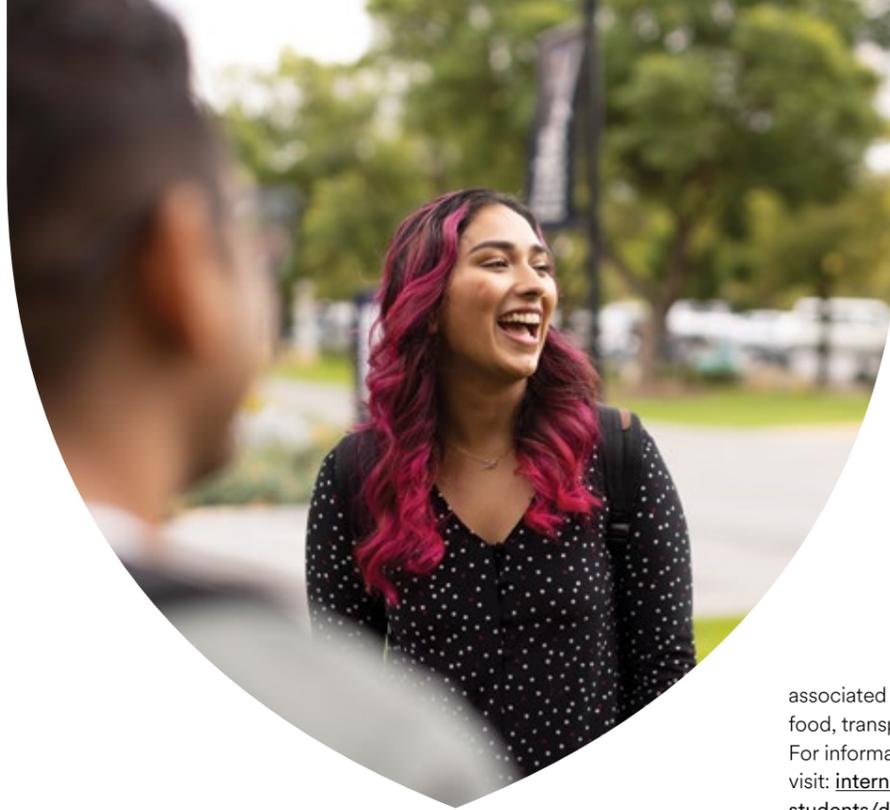
W: [adelaide.edu.au/elc](https://adelaide.edu.au/elc)

#### Entry requirements of your chosen program\*

PEP program (minimum length)	Overall score of 6.5 with all band scores at 6.0	Overall score of 6.5 with Writing and Speaking at 6.5 and Reading and Listening at 6.0	Overall score of 7.0 with Writing and Speaking at 7.0 and Reading and Listening at 6.5
15 weeks	Overall band score of 6.0 and no band less than 5.0	Overall band score of 6.0 Writing and Speaking at 6.0 Reading and Listening at 5.0	Overall band score of 6.5 Writing and Speaking at 6.5 Reading and Listening at 5.5
15 weeks	Overall band score of 6.0 Writing at 5.5	Overall band score of 6.5 Writing and Speaking at 5.5 Reading and Listening at 5.0	Overall band score of 7.0 Writing and Speaking at 6.0 Reading and Listening at 5.5
10 weeks	Overall band score of 6.0 and no band less than 5.5	Overall band score of 6.0 Writing and Speaking at 6.5 Reading and Listening at 5.5	Overall band score of 6.5 Writing and Speaking at 7.0 Reading and Listening at 6.0
10 weeks		Overall band score of 6.5 Writing and Speaking at 6.0 Reading and Listening at 5.5	Overall band score of 7.0 Writing and Speaking at 6.5 Reading and Listening at 6.0

\* Additional accepted English proficiency test scores can be found on the ELC website.

# Managing your money



As part of planning, applicants need to consider the financial requirements before applying to the University, and are advised to set a realistic budget.

## Accommodation

Although living in Adelaide is more affordable than many other major cities, accommodation remains students' largest variable expense. It can cost anywhere from around AUD\$135 per week for share accommodation outside the city centre to AUD\$259 per week (including electricity, water, gas and unlimited wi-fi) for University-managed accommodation within the city centre.

The average rent for a private studio apartment in the CBD is approximately AUD\$400 per week.

## Application fee

An application fee of AUD\$110 must be paid with the University of Adelaide undergraduate online application. An exemption may apply for some government- or externally-sponsored students.

## Incidental costs

Prospective students should allow at least AUD\$500 per year for textbooks and basic study materials. Depending on the degree, other costs may include: specialist equipment (e.g. laboratory coats, microscopes, stethoscopes); optional supplementary reading and academic program materials; field trips; and expenses such as thesis preparation, printing and binding.

## Tuition fees

International students are required to pay international student tuition fees,

which cover the cost of teaching and many student support services. The indicative annual tuition fee quoted in this prospectus is based on the standard full-time enrolment load of 24 units per year, or 12 units per semester.

The quoted fee is reviewed annually and may increase in future years. Fees may also vary depending on enrolment load.

New international students are required to pay a tuition fee deposit when accepting an offer of admission. After enrolment, students are then invoiced for the balance of their fees in that enrolment period. The University invoices students (or their sponsor) each enrolment period according to students' enrolment load.

*Fees listed in the back of this publication are 2023 fees and should be considered indicative only. Fees are subject to change, so students should check our website for the most up-to-date information: [international.adelaide.edu.au/admissions/university-fees](https://international.adelaide.edu.au/admissions/university-fees)*

## Student Services and Amenities Fee

International students commencing in 2024 will be required to pay an annual Student Services and Amenities Fee. This covers activities such as clubs, sporting and recreational activities, and many other services. The fee was AUD\$326 for 2023 and is indexed annually. For more information, visit: [adelaide.edu.au/student/finance/ssaf](https://adelaide.edu.au/student/finance/ssaf)

## Student Fees Refund Policy

All applicants must read the University's policy on refunds included in the offer of admission before accepting. The policy complies with all requirements for tuition fee refunds stipulated in the Education Services for Overseas Students Act 2000 (ESOS), associated Australian Government regulations, and the ESOS National Code of Practice (2018). For refund policy details, visit: [adelaide.edu.au/policies/4343](https://adelaide.edu.au/policies/4343)

For information about refund administration and refund amounts, visit: [adelaide.edu.au/student/finance/refunds](https://adelaide.edu.au/student/finance/refunds)

## Health and medical

Student visa holders and their dependants are required to have health insurance for the duration of their student visa through the Overseas Student Health Cover (OSHC) scheme. The University's preferred OSHC provider is Medibank. Visit: [medibank.com.au/overseas-health-insurance/oshc/](https://medibank.com.au/overseas-health-insurance/oshc/) For additional information, please refer to: [international.adelaide.edu.au/international-student-support](https://international.adelaide.edu.au/international-student-support)

## Students with families

International students who bring their families to Australia will need to take into account the additional costs

associated with health cover, housing, food, transport, childcare and education. For information and advice about schooling, visit: [internationalstudents.sa.edu.au/en/students/dependants](https://internationalstudents.sa.edu.au/en/students/dependants)

## Part-time work

Many international students and their dependants hope to obtain part-time work to supplement funds for living costs. While this may be possible, we recommend that students do not rely on it for essential expenses.

Obtaining a job is not guaranteed and can take time. Students should also be aware that the workload for many degrees is intense, so they may not have time to undertake employment.

International students who do find part-time work should be aware that they have the same workplace rights as all other workers in Australia. International students on a student visa are limited to 48 hours per fortnight while studying.

Additional information and advice about your workplace rights and obligations is available at: [fairwork.gov.au](https://fairwork.gov.au)

For more information related to student visa conditions, visit: [homeaffairs.gov.au/trav/stud](https://homeaffairs.gov.au/trav/stud)

## Scholarships

The University of Adelaide is committed to providing educational opportunities for international students by offering a range of scholarships. For more details, see page 40 of this guide or visit:

[international.adelaide.edu.au/admissions/scholarships](https://international.adelaide.edu.au/admissions/scholarships)

All scholarship details are subject to change, so interested students are encouraged to check these websites regularly.

# Study-related costs

This should be viewed as a guide only, as costs can vary significantly from one student to another. These are basic living costs at the time of publication and do not include program tuition fees, costs for textbooks, other study-related needs, running a car, medical expenses or any luxuries.

Before arrival	
Expense	Cost (AUD)
Tuition fee deposit (*refer to offer of admission)	50% of the first year's tuition fee*
Overseas Student Health Cover**	\$609–\$4,591
Economy air travel to Adelaide	\$1,200–\$2,000
Visa application charge^	\$710
Medical examination for visa application#	\$300
Refundable deposit for University-managed rental accommodation (if applicable)	\$500

After arrival	
Expense	Cost (AUD)
<b>All students:</b>	
Rent in advance	2 weeks' rent
Household set-up (linen, groceries, etc.)	\$500
Remainder of tuition fee	Refer to offer of admission
<b>Private accommodation options only:</b>	
Refundable accommodation bond	4-6 weeks' rent
Electricity and gas connection	\$38–\$72
Landline telephone/internet connection	\$59–\$299
Furniture and household goods	\$1,500+

Average weekly living expenses*	
Expense	Cost (AUD)
Accommodation	\$135–\$400
Groceries	\$90–\$135
Gas/electricity/water	\$40–\$55
Transport (student concession rates)	\$20–\$35
Telephone/postage/internet	\$20–\$40
Other costs (e.g. clothing, entertainment)	\$50+
Total weekly expenses	\$355–\$705

\* Source: Study Adelaide

\*\* The Department of Home Affairs requires all students to have health insurance for the duration of their visa. Visa length varies and is slightly longer than the length of a student's degree. The fee quoted here is for 12 months' cover.

# Approximate cost for standard examination only. Additional costs may be incurred if more comprehensive medical exams are required.

^ Surcharge may apply to some subsequent student visa applications.

# Scholarships for international students

The University of Adelaide offers several scholarship schemes for international students commencing postgraduate research in 2025.

For information on scholarship opportunities and how to apply, visit [scholarships.adelaide.edu.au](https://scholarships.adelaide.edu.au)

Select 'International Students' and 'Postgraduate Research' to identify relevant funding opportunities. Each scholarship opportunity has its own requirements and deadlines.

## Internal scholarship opportunities

Applicants submitting applications during a scholarship round will be considered for all available scholarships subject to meeting their eligibility criteria. This is the most effective way to maximise the chances of winning a scholarship.

Selection for scholarships is extremely competitive. Recent successful applicants for research scholarships have usually achieved all of the following:

- a research master degree, or coursework master degree with a substantial research component
- outstanding academic performance at an internationally recognised university
- publication in international peer reviewed journals (English language only)
- relevant discipline-related professional work or research experience.

The few applicants who win a scholarship directly out of undergraduate studies have exceptional academic results, high-quality international publications and outstanding references.

## Australian Government Research Training Program Scholarships - International (RTP)

RTP international scholarships are funded by the Australian Government through the Department of Education. They are available to outstanding international applicants from any country to support their study towards a higher degree by research in any field of study. Awards are allocated in the competitive rounds according to the terms and conditions specified in the University's Scholarship Policy.

## University of Adelaide Research Scholarships (UARS)

UARS are available to outstanding international applicants from any country to support their study towards a higher degree by research in any field of study. These scholarships are offered in the competitive rounds and are awarded on academic merit and research potential.

## China Scholarship Council: University of Adelaide Joint Postgraduate Scholarships program

[adelaide.edu.au/graduate-research/scholarships/china-scholarship-council-opportunities](https://adelaide.edu.au/graduate-research/scholarships/china-scholarship-council-opportunities)

The China Scholarship Council (CSC) and the University of Adelaide jointly offer postgraduate research scholarships to applicants from the People's Republic of China who intend to undertake a Doctor of Philosophy at Adelaide. The CSC provides successful candidates with a living stipend and support at a rate

determined by the Chinese Government. The University provides successful candidates with an Adelaide University China Fee Scholarship. This consists of a 100% Tuition Fee Waiver for up to 48 months, corresponding to the duration of support provided by the CSC, subject to satisfactory academic progress.

**Note:** this information is correct at the time of publishing, but the University reserves the right to make changes as necessary at any time. The number of scholarships awarded will depend on candidate quality.

## External scholarship opportunities

### Australia Awards Scholarships (AAS) [dfat.gov.au/people-to-people/australia-awards/australia-awards-scholarships](https://dfat.gov.au/people-to-people/australia-awards/australia-awards-scholarships)

The University of Adelaide has contracted with the Department of Foreign Affairs and Trade (DFAT) to provide education services to AAS holders. AAS's purpose is to provide educational, research and professional development opportunities to support growth in partner countries, and build enduring links at the individual, institutional and country levels.

AAS benefits cover tuition fees, living costs, airfares and other expenses.

Candidates should apply directly to the AAS office in their home country.



## Scholarships from home governments or universities

A number of overseas governments or universities sponsor their citizens to undertake research degrees at Australian universities. Sometimes this is under an agreement with the University of Adelaide, with the sponsor paying the tuition fees and a student living allowance.

Students are encouraged to investigate whether there are such scholarship opportunities in their country.

# Faculty of Arts, Business, Law and Economics

The Faculty of Arts, Business, Law and Economics (ABLE) has a reputation for outstanding research in a diverse range of stimulating fields—from entrepreneurship, digital technologies, and the creative arts, to housing, education and teaching, law and music.

Our focus on excellence produces research graduates with the skills and knowledge to make a difference in society. Postgraduate ABLE students work closely with leading, internationally renowned researchers who have excellent track records in postgraduate supervision. We regularly host seminars, workshops and public lectures with leading international scholars and creative practitioners, all of whom foster our vibrant, innovative and creative research culture. We offer an incredibly wide range of specialisations.

We are excited to invite international candidates to enrol in a postgraduate research program with us, to share their skills and play an instrumental role in the world.

## Research areas

Our research has been ranked by the most recent Excellence in Research for Australia initiative\* as above, or well above, world standard in law, finance, marketing, economics, historical studies, performing arts, music, creative writing, and philosophy.

Other areas of strength include: financial and managerial accounting; entrepreneurship; corporate finance and asset pricing; project management; strategic management; customer engagement; wine business; work and migration; corporations and tax law; military law; ethics; economic modelling; international trade; human geography; housing research; politics and international relations; cybersecurity; health-related studies and policy; public and social

policy; environmental studies; gender studies; anthropology and development studies; sociology; criminology; classics; literary studies; media; European and Asian languages; education and teaching; musicology; ethnomusicology; creative arts; digital humanities; food security; Indigenous music; digital technologies; Australian studies; linguistics and endangered languages.

\* *Excellence in Research for Australia, 2018-19.*

## Research centres and institutes

The Faculty's commitment to fostering ground-breaking research and research training is evident in its 13 high-performing research centres:

- Centre for Global Food and Resources
- Entrepreneurship, Commercialisation, and Innovation Centre
- Future of Employment and Skills Research Centre
- Institute for International Trade
- International Centre for Financial Services
- Sia Furler Institute of Contemporary Music and Media
- South Australian Centre for Economic Studies
- South Australia Law Reform Institute
- The Australian Centre for Housing Research
- The Fay Gale Centre for Research on Gender

- The J.M. Coetzee Centre for Creative Practice
- The Stretton Institute.

Faculty staff and students are also involved in other University-wide research institutes, including the Environment Institute, Australian Institute for Machine Learning, and Institute for Sustainability, Energy and Resources. We provide a dynamic and intellectually stimulating environment in which you and your research can thrive.

**Acting Executive Dean**  
Professor Jodie Conduit

**Acting Deputy Dean Research**  
Associate Professor Tim Legrand

# Business



Research initiatives that have real-life and commercial impact.



Strong research alliances with business and industry partners.



Research with an AACSB institution.\*

Research in our school, institutes and centres is, by its very nature, set in the global context. We recognise the part our international students play in contributing to the creation and dissemination of knowledge in their field and welcome their input into the life of our faculty.

With a final Excellence in Research for Australia rating of four<sup>^</sup>, the Finance and Marketing disciplines are above world standard.

\* Association to Advance Collegiate Schools of Business

<sup>^</sup> ERA Outcomes 2018

## Accounting

Adelaide Business School's modern accounting research:

- examines governance mechanisms and accountability structures within and outside organisations, collecting and analysing information to improve their performance
- impacts policy and practice in accounting, with close links to the accounting profession.

## Entrepreneurship and Innovation

Our Entrepreneurship, Commercialisation and Innovation Centre delivers valuable research that examines how:

- entrepreneurs and ventures originate, develop, and grow
- innovation improves the performance of public and private organisations
- entrepreneurial behaviour supports and sustains socioeconomic development, and growth
- policies, infrastructure and support can foster better entrepreneurship and innovation outcomes
- family businesses respond to intergenerational and family-dynamic challenges.



I have loved the positive learning environment that the University of Adelaide provides. This includes the supportive and collaborative learning culture, broad access to resources, opportunities for skill development through a diverse research seminar calendar, and diversity of research directions within my own discipline and all through the university. I've also loved the culture of community that the University of Adelaide offers to all its students. All through my candidature, from undergraduate to postgraduate, I've made lifelong friendships that I'll cherish forever and that span the world from Laos to Peru, New Zealand to France, and beyond."

**Dr David Matthews**

Doctor of Philosophy in Marketing

## Finance and Banking

Adelaide Business School and the International Centre for Financial Services generate research that impacts on how policymakers and financial institutions operate. We collaborate with colleagues from a wide range of overseas universities and business schools and our research areas include:

- banking
- funds management
- mergers and acquisitions
- risk management
- payout policies
- corporate financing and
- investment policies.

## Management

Our Management discipline promotes research focused on people, international business and project management. Examples of broad topics of our research in this area include:

- organisational change
- the human aspects of technology
- models of complex projects and the boundaries between complicated, complex and chaotic.

## Marketing

The marketing disciplines engage with industry associations, government departments, not-for-profit organisations, corporate entities, and small/family

businesses to address complex marketing and business challenges using the latest methodologies and academic theories. This includes research in areas as diverse as:

- customer engagement
- branding
- digital media
- innovation adoption
- consumer financial decision-making
- service employee behaviours.

## Further information or advice

T: +61 8 8313 4755

E: [askable@adelaide.edu.au](mailto:askable@adelaide.edu.au)

W: [business.adelaide.edu.au](http://business.adelaide.edu.au)

### Supervisor spotlight



## Associate Professor Graciela Corral de Zubielqui

Associate Head of Engagement

### Fields of research

- expert in innovation management
- industry-university SMEs collaboration
- digital technologies impact on firm performance

### Awards

- Executive Dean Award for Excellence in Learning and Teaching, for the MBA Online Program Design

### Why research innovation management at Adelaide?

Innovation management is imperative for SMEs' survival. Governments worldwide are interested in supporting innovation ecosystems research as it is recognised as important for economic development. Our expertise and research environment will support your PhD studies.

### Projects students may be interested in

Undertake research in firm innovation management, knowledge transfer, digital tools, and SME/start-ups performance as part of a PhD program at the University of Adelaide.

Study and research under Assoc Prof Graciela Corral de Zubielqui is investigating key drivers of firm performance and regional development associated with firm innovation. More, Assoc Prof Corral de Zubielqui is seeking to explore further the circumstances under which a firm becomes more efficient and achieves better innovation performance.

### Recent publications

Guckenbiehl, P., & Corral de Zubielqui, G. (2022). Start-ups' business model changes during the COVID-19 pandemic: Counteracting adversities and pursuing opportunities, *International Small Business Journal: Researching Entrepreneurship*, 40(2), 150-177.

Guckenbiehl, P., Corral de Zubielqui, G., & Lindsay, N. (2021). Knowledge and innovation in start-up ventures: A systematic literature review and research agenda. *Technological Forecasting and Social Change*, 172, 22 pages.

# Economics



Immersive, disciplinary coursework to fuel ground-breaking research.



Collegial and interactive community of students, academics, and international visitors.



Course-sizes calibrated for personalised attention, mentorship, and peer interaction.

The School of Economics and Public Policy provides a high-quality research environment that encourages extensive student-staff interaction. Benefit from our strong research foundation spanning diverse disciplines, such as big data analysis, behavioural and experimental analysis, public economics, labor macroeconomics, applied economics in resources, agriculture and development, and trade, along with applied econometrics. The school offers exclusive research spaces and a welcoming lounge for postgraduate students to promote collaboration and networking, creating a vibrant academic community. Our alumni have soared to remarkable heights in central banking, finance, academia, government, and prestigious international institutions such as the IMF and World Bank.

## Industry and research partnerships

The School of Economics and Public Policy collaborates – globally, with extensive research networks - in Europe, the United Kingdom, China, India and North America.

## Research centres

- Centre for Global Food Resources [adelaide.edu.au/global-food](http://adelaide.edu.au/global-food)
- Future of Employment and Skills Research Centre [adelaide.edu.au/future-employment-skills](http://adelaide.edu.au/future-employment-skills)
- South Australian Centre for Economic Studies [adelaide.edu.au/saces](http://adelaide.edu.au/saces)
- Institute for International Trade [iit.adelaide.edu.au](http://iit.adelaide.edu.au)

## Research areas

The School of Economics and Public Policy is committed to research excellence, and has cultivated a strong and diverse research program. Our main areas of focus are:

## Macroeconomics

- monetary theory and policy
- supply shocks
- labour markets

## Applied econometrics

- econometric theory
- financial econometrics
- big data and panel data
- time-series econometrics
- quantile regression

## Microeconomics

- political economy
- public economics
- health economics
- environmental and resource economics
- industrial organisation
- design of contracts
- market design
- networks
- behavioural economics and experiments
- evolutionary dynamics
- innovation and knowledge economics



After completing her PhD in Economics, Dr Lakmini Fernando has joined the General Treasury and then, the Institute of policy Studies of Sri Lanka as a Research Economist. Lakmini uses her expertise in applied research in public finance and climate change, to improve the evidence-based decision-making culture in Sri Lanka. Lakmini was supervised by Professor Firmin Doko Tchatoke and Dr. Stephanie McWhinnie.

**Lakmini Fernando**  
PhD in Economics

## Development and trade

- agricultural and food policy
- development and climate
- natural resource use and development
- political economy of trade-related policies
- trade, income inequality and poverty
- preferential trade and investment arrangements

## Further information or advice

T: +61 8 8313 5540  
E: [economics@adelaide.edu.au](mailto:economics@adelaide.edu.au)  
W: [able.adelaide.edu.au/economics-and-public-policy](http://able.adelaide.edu.au/economics-and-public-policy)

## Supervisor spotlight



## Professor Firmin Doko Tchatoke

### Fields of research

- Econometrics
- Statistics
- Financial Econometrics

### Awards

- Executive Dean's Award for Excellence in Research (2019, 2020)
- Best PhD Supervision Award, School of Economics (2019)

## Why should students study with the University of Adelaide?

We are recognised as one of Australia's most respected research-intensive universities.

Studying with us, we will challenge and inspire you. You will receive the best academic preparation to achieve in your chosen discipline and equip you with the knowledge and skills to make a real difference.

## Why research economics at Adelaide?

Economics is a dynamic study which unveils the forces driving the behaviours of individuals and firms, the fundamentals of government policies, and the reliability of markets. Our outstanding academics and researchers are internationally renowned and pursue their research interests in many different areas of economics, including behavioural and experimental analysis; applied econometrics and policy evaluation; big data analyses; public economics; applied economics in resources; agriculture and development economics; and trade.

## Projects students may be interested in

- Smarter information use for causal inference
- Model selection and statistical inference at the age of big data
- Monetary policy and exchange rate nexus
- Policy evaluation

## Recent publications

Oil Extraction and Spillover effects into Local Labour Market: Evidence from Ghana (2022). Energy Economics.

Neighbourhood, school zoning and the housing market: Evidence from New South Wales (2021). Journal of Housing Economics.

Empowering the powerless: Financial inclusion in developing Africa and Asia (2021). In 'Financial Inclusion in Asia and Beyond: Measurement, Development Gaps, and Economic Consequences,' Routledge.

# Education



**Strong nexus between research, learning and teaching, and industry training.**



**Research engagement based on national priorities and issues of international relevance.**



**Dedication to research that values knowledge generation and critical thinking.**

The School of Education conducts interdisciplinary research encapsulating the education and training landscape from secondary through to tertiary. This research is underpinned with teaching expertise from initial teacher education, through to professional teacher development and industry training.

## Industry and research partnerships

Our award-winning team has strong local and international relationships with the Department for Education (DfE), the International Positive Psychology Association, Apple, DSE, NASA, AIML, Deloitte, the Australian Council for Educational Leaders, and the Australian College of Educators.

We have more than 100 students undertaking research at Masters or PhD level addressing some of the most challenging educational issues of our time.

## Research groups

We have nine major areas of research, many of which are encompassed in our Unit of Digital Learning and Society. Research in the Unit focuses on the pedagogical and social impact of modern educational technology. With new technologies being developed and introduced at ever-increasing pace, such as ChatGPT and DeepL among many others, research-informed teaching and learning strategies are necessary. This research, supporting the University's teaching and learning strategies, is supported by current and actively recruited HDR students and post-doctoral positions, attracted by our expertise in digital education and training, as well as by the work of students in our master-level programs, as well as current offerings in Virtual Reality.

## Research areas

School staff have a wide range of interests and are able to supervise postgraduate students in these areas:

- policy, pedagogy and affect
- purposes of schooling, social justice and subjectivity
- comparative and International Education
- education in a digital era
- education and leadership
- inclusive education
- Indigenous education
- teacher education
- Vocational Education and Training (VET)
- wellbeing in education

## Further information or advice

School of Education  
Level 8, Nexus 10 building,  
10 Pulteney St  
The University of Adelaide  
SA 5005 Australia  
T: +61 8 8313 0694  
E: [education@adelaide.edu.au](mailto:education@adelaide.edu.au)  
W: [education.adelaide.edu.au](http://education.adelaide.edu.au)



**The biggest value of my study is opening my eyes to draw theory into practice, identify the complex problems in my field, and provide the appropriate solutions. My study program has prepared me to face real-life challenges in my future as a teacher and researcher."**

**Abu Nawas**  
PhD in Education

## Supervisor spotlight



## Dr Igusti Ngura Darmawan

Senior Lecturer

### Fields of research

- ICT, Science and Mathematics Education
- Assessment and the measurement of student achievement, progress, and attitude
- Advanced quantitative methods and their applications

## Why should students study with the University of Adelaide?

The University of Adelaide is a member of the prestigious Go8 research-intensive universities and is ranked in the top 1% of universities worldwide. Within the School of Education are two research groups that each offer high quality, supportive, and stimulating research environments: the Wellbeing and Culture Research Group and the Learning, Technology and Assessment Research Group. These groups have strong collaborations with government bodies and industry partners at the local, national, and international levels.

## Why research measurement, assessment and evaluation at Adelaide?

Measurement, assessment, and evaluation are fundamental to understanding educational outcomes. Learning and human development cannot be examined effectively unless human characteristics can be measured accurately across a scale. At the University of Adelaide, we investigate the role of different approaches of assessment to learning outcomes using robust measurement and statistical approaches.

## Projects students may be interested in

- Science, Technology, and Mathematics (STEM) education
- refugee education
- COVID-19 impact on students' wellbeing and performance
- Computer Adaptive Testing

## Current research projects include:

- **2022** Australian Federal Government Emerging Priorities Program, Preparing for Parenting in a Post-Pandemic world - School seminars to skill parents and teachers to support the wellbeing, behaviour and self-regulation of students.
- **2020** Department for Education, Analysing Brightpath Writing Improvement program effect on NAPLAN student writing achievement.

## Recent publications

- Maadad, N., & Darmawan, I. G. N. (2022). The Education of Arabic Speaking Refugee Children and Young Adults Education, Employment and Social Inclusion. London and New York: Routledge. doi:10.4324/9781003110637
- Keeves, J. P., & Darmawan, I. G. N. (2021). Philosophical and Pedagogical Underpinnings of Globalisation and Education. In Third International Handbook of Globalisation, Education and Policy Research (pp. 819-840). Springer International Publishing. doi:10.1007/978-3-030-66003-1\_47
- Vosniadou, S., Darmawan, I.G.N, Lawson, M. J., Van Deur, P., Jeffries, D., & Wvra, M. (2021). Beliefs about the self-regulation of learning predict cognitive and metacognitive strategies and academic performance in pre-service teachers. *Metacognition and Learning*, 16(3), 1-32. doi:10.1007/s11409-020-09258-0

# Humanities



Supervision by enthusiastic, high-profile and award-winning researchers.



Undertake cutting-edge research that enriches human life.



Be part of a stimulating intellectual community with like-minded peers.

The School of Humanities has specialised researchers and supervisors in the departments of: art history, classics including archaeology and ancient history; English and creative writing; history; philosophy, linguistics, media; French studies; German studies and Spanish studies. Supervision across departments may be possible depending on the topic of interest.

## Research centre

J.M. Coetzee Centre for Creative Practice (jointly with Elder Conservatorium of Music)  
[adelaide.edu.au/jmcoetzeecentre](http://adelaide.edu.au/jmcoetzeecentre)

The JM Coetzee Centre is an interdisciplinary home for research that combines forms of creative practice with rigorous critical thinking. Our members provide supervision across the arts (esp. music and sound, creative writing, literary nonfiction and performance.) We are especially interested in supervising projects that integrate disciplinary knowledges with creative making and an innovative use of creative form.

## Research areas

### Art History

The discipline is led by a research-active art historian with research expertise and teaching specialisation in early modern European art (1400-1800), including:

- Renaissance art, especially of northern Europe
- portraiture
- representations of gender, bodies, and fashioning cultural identities
- art and war
- materials and materiality
- curatorship and museology.

### English, Creative Writing, and Film

- literary fiction, creative non-fiction, and experimental writing (including poetry)
- writing from the South
- Australian and Pacific literary studies
- African and South African literary and cultural studies
- US literary studies
- literary theory
- material cultures, print cultures, cultural studies

- Renaissance literary and cultural studies
- late-Victorian literary cultures
- modern and contemporary literary studies
- modernisms

### Research areas include:

- Japanese and other Asian cinemas
- European cinema
- film theory and criticism
- American cinema
- film aesthetics
- writing for the cinema

W: [able.adelaide.edu.au/humanities/departments/english-creative-writing-and-film](http://able.adelaide.edu.au/humanities/departments/english-creative-writing-and-film)

### French Studies

As part of the Department of European Languages, and Linguistics, academic staff in the discipline of French Studies welcomes applications for higher degrees by research and encourages interdisciplinary explorations that cut across multiple languages. Our postgraduate students frequently collaborate with others

across Australia, are active in attending and presenting at major conferences, and regularly publish their work.

Research areas include:

- French and Francophone literature and history from the 18th to the 21st centuries
- French and Francophone cinema
- women's writing
- autobiography
- crime fiction
- exploration in the Pacific
- literary theory
- translation studies.

Joint supervision may be provided.

W: [able.adelaide.edu.au/humanities/departments/french-studies](http://able.adelaide.edu.au/humanities/departments/french-studies)

## German Studies

Staff in the Discipline of German Studies conduct and supervise research in a number of different periods and areas of German literature and culture.

These include:

- literary and aesthetic theory and history
- intercultural literary studies
- cultural constructions of German identity
- German and continental philosophy
- theatre studies
- emotions and moods in literature, and the history of science
- space and time configurations in literature
- musical discourses in 19th and 20th century Austria and Germany
- Austrian studies
- German film
- holistic discourses (including Gestalt theory) in 20th century German thought.

W: [able.adelaide.edu.au/humanities/departments/german-studies](http://able.adelaide.edu.au/humanities/departments/german-studies)

## Supervisor spotlight



## Associate Professor Peter C. Pugsley

### Fields of research

- Asian cinema
- Popular culture
- Japanese cinema

### Awards

- 2022 Highly Commended – HDR Supervisory Practice, The Stephen Cole Awards

### Why should students study with the University of Adelaide?

The University of Adelaide focuses on the pursuit of research excellence. Upon completion of their degree, our graduates are equipped for employment in a vast array of global research and industry areas.

While the development of research writing and communication skills are important, the social skills gained by studying on campus are equally helpful for our graduates as they move across the globe.

### Why research film studies and Asian cinema?

The growth of Film Studies in recent years reflects the social, economic and political importance of the film and entertainment industries.

Studying Asian cinema helps us to understand the cultures of the region, and the enormous growth of the cinema industry emanating from Asia. With films from China, India, Japan and South Korea now equalling Hollywood in box office numbers, it is important that we understand what this means for cinema industries and audiences around the world.

### Projects students may be interested in

I currently supervise students conducting PhD research on:

- The reception of Bollywood films in China
- Japanese anime styles
- The film noir movement of Japanese cinema in the post-WWII era.
- The influence and reception of Korean 'K-pop' in Australia

### Recent publications

Peter C. Pugsley and Ben McCann (2023) *The Cinematic Influence: Interaction and Exchange Between the Cinemas of France and Japan*, Bloomsbury Publishing: New York.

Peter C. Pugsley (2022) *Japanese High School Films: Iconography, Nostalgia and Discipline*, Edinburgh University Press: Edinburgh.

Peter C. Pugsley & Saira Ali (2022) 'Activating Bollywood Buzz: Promoting Indian Film Superstars in Supporting Roles'. *Studies in South Asian Film & Media* 12:2, 19-37.

### Historical and Classical Studies

Staff in the Department of Historical and Classical Studies supervise research across a wide range of periods, regions and themes, including:

- the history of scientific and medical thought in Greece and Rome
- Greek and Roman philosophy up to AD 600
- aspects of late Roman social and cultural history up to AD 600
- Archaeology
- Aboriginal and Torres Strait Islander histories and cultures
- the history of emotions
- early modern history
- European history
- Australian history, especially the history of migration, Australian Indigenous history, and comparative Indigenous history
- the history of science, technology and medicine, and health/science policy
- 20th century history—international terrorism, nationalism, genocide, and World War I and II
- the history of family and gender.

W: [able.adelaide.edu.au/humanities/departments/historical-and-classical-studies](http://able.adelaide.edu.au/humanities/departments/historical-and-classical-studies)

### Linguistics

Research in the discipline of Linguistics covers descriptive and analytic approaches and methodologies. Areas of focus include:

- Aboriginal linguistics, including Kaurua, Bargarla and West Coast South Australian languages
- Hebrew, Jewish, Semitic and Afro-Asiatic linguistics
- Pacific linguistics, including Norfolk Island language
- revivalistics—reclamation, revitalization, reinvigoration
- language preservation and language change



**As a PhD candidate, my work often involves independent research, but I find immense value in the diverse perspectives and backgrounds among my fellow students, colleagues, and other academics. This diversity at my university has expanded my horizons and fostered a more open-minded worldview. I think it's the people I meet along this journey that make it truly enriching or enjoyable."**

**Dr Yanyan Hong**

PhD in Communication and Media Studies

- language contact—pidgin and creole linguistics
- mission linguistics.

W: [able.adelaide.edu.au/humanities/departments/linguistics](http://able.adelaide.edu.au/humanities/departments/linguistics)

### Media

Staff in the Department of Media actively research, publish and supervise across a broad range of scholarly and creative areas. Among them are:

- media industries
- social media platforms and practices
- online identity
- news and journalism practices
- media, culture, and democracy
- mediatisation of risk and security
- food, health, and media
- video games and online gaming
- comics and graphic narratives
- emerging media technologies
- immersive technology design and development
- persona studies
- animation
- digital 2D and 3D representation

- typography, augmented texts and dyslexia
- work-integrated learning

W: [able.adelaide.edu.au/humanities/departments/department-of-media](http://able.adelaide.edu.au/humanities/departments/department-of-media)

### Philosophy

Postgraduate students in the Department of Philosophy have the opportunity to develop original work in a highly-rated department. We contribute to many areas of philosophy, with strengths in:

- ancient philosophy
- applied ethics, bioethics
- cognitive science
- epistemology
- ethics
- philosophy of biology
- philosophy of logic and language
- philosophy of mind
- philosophy of psychiatry
- philosophy of science
- social and political philosophy
- metaphysics
- moral theory
- Nietzsche

W: [able.adelaide.edu.au/humanities/departments/department-of-philosophy](http://able.adelaide.edu.au/humanities/departments/department-of-philosophy)



### Spanish Studies

Staff in the discipline of Spanish Studies can supervise in a variety of areas. These include:

- early Modern Spanish literature and culture (including queenship, court culture, and ephemeral publications)
- Spanish civil war (narrative, film, and politics)

W: [able.adelaide.edu.au/humanities/departments/spanish-studies](http://able.adelaide.edu.au/humanities/departments/spanish-studies)

To find a supervisor, submit a research proposal or learn more about these areas of research, visit: [able.adelaide.edu.au/our-research](http://able.adelaide.edu.au/our-research)

### Further information or advice

T: +61 8 8313 4249  
E: [humanitiesoffice@adelaide.edu.au](mailto:humanitiesoffice@adelaide.edu.au)

# Law



Above world standard for research excellence in law and legal studies\*.



South Australia's highest ranked law school^.



Future-focused and committed to preparing students for careers of tomorrow.

\* ERA Outcomes 2018  
^ QS World University Rankings by Subject 2023

The Adelaide Law School was founded in 1883 and is the second oldest law school in Australia.

As part of the University's tradition of excellence, the School takes pride in its reputation as an international leader in legal research. For 140 years, Adelaide Law School has been home to the leading Australian legal researchers of the day.

The modern Adelaide Law School continues this fine tradition, with leading international and national scholars engaged in legal theory, public and private law, and cutting-edge interdisciplinary research.

The School achieved an Excellence in Research for Australia rating of 4 (performance above world standard) in the Australian Research Council's 2018 research quality and assessment and was rated as high in research impact and engagement.

## Research groups

Our research strengths are demonstrated by the following research centres:

- Research Unit for the Study of Society, Ethics and the Law  
[law.adelaide.edu.au/research/research-unit-for-the-study-of-society-ethics-the-law-russe1](http://law.adelaide.edu.au/research/research-unit-for-the-study-of-society-ethics-the-law-russe1)
- Public Law and Policy Research Unit  
[law.adelaide.edu.au/research/public-law-policy-research-unit-plpru](http://law.adelaide.edu.au/research/public-law-policy-research-unit-plpru)

- Regulation of Corporations, Insolvency and Taxation  
[law.adelaide.edu.au/research/regulation-of-corporations-insolvency-and-taxation-rocit](http://law.adelaide.edu.au/research/regulation-of-corporations-insolvency-and-taxation-rocit)
- Research Unit on Military Law and Ethics  
[law.adelaide.edu.au/military-law-ethics](http://law.adelaide.edu.au/military-law-ethics)
- South Australian Law Reform Institute  
[law.adelaide.edu.au/research/south-australian-law-reform-institute](http://law.adelaide.edu.au/research/south-australian-law-reform-institute)
- Environmental and Natural Resources Law Research Unit  
[law.adelaide.edu.au/research/environmental-and-natural-resources-law-research-unit-enrel](http://law.adelaide.edu.au/research/environmental-and-natural-resources-law-research-unit-enrel)

## Research areas

We are a diverse selection of researchers crossing international, disciplinary and thematic borders. We encourage collaborative, innovative research and provide a supportive and collegial environment for all our researchers.

Our research can be divided into nine broad groups:

### Commercial, Corporate and Tax

This group explores the regulation of corporations and corporate governance in Australia and considers approaches that could advance this regulation to better serve the public interest.

## International law, military law, space law and ethics

Our research aims to facilitate the emergence of a creative inter-disciplinary dialogue on contemporary challenges in the areas of military law, national security, international law, military justice, international relations, strategic policy and space law.

## Public law and policy

This group contributes an independent scholarly voice on issues of public law and policy vital to Australia's future. It provides expert analysis on government law and policy initiatives and judicial decisions and contributes to public debate through formulating its own law reform proposals.

## Work and employment regulation

Our research responds to the myriad significant and pressing legal questions arising from the changing nature of work, health and environment.

## Law Reform

The South Australian Law Reform Institute (SALRI), based at the Adelaide Law School, is formed by an agreement between the Attorney-General of South Australia, the University of Adelaide and the Law Society of South Australia. SALRI examines areas of law reform at the request of the Attorney-General.



“At the Adelaide Law School, I found the support to pursue my research and incredible supervisors. My supervisors gave me the freedom and guidance to explore my research ideas and have always been there to provide helpful feedback.”

Umar Rashid  
PhD in Laws

## Critical perspectives

This group provides critical perspectives on the nature of law and explores the history of law as it has been implemented in diverse political and social environments.

## Environment, Climate and Natural Resources

This group produces independent perspectives on law and policy relating to the environment, climate and natural resources. Our research addresses global environmental and sustainability challenges, including the impacts of environmental change and key global challenges such as biodiversity conservation and climate change

## Governance, Technology, Health and the Law

This group identifies existing opportunities and risks, and facilitates emerging

advances in relation to society's engagement with technology and health, and the organisational ethics and governance which underpin these developments.

## Legal Education

This group seeks to develop and promote world class research on the varied and important intersections between law and education.

## Further information or advice

T: +61 8 8313 5882  
E: [graduate.research@adelaide.edu.au](mailto:graduate.research@adelaide.edu.au)  
W: [law.adelaide.edu.au/research](http://law.adelaide.edu.au/research)

## Supervisor spotlight



## Professor Paul Babie

Bonython Chair in Law and Professor of Law, Associate Dean of Law (International)

### Fields of research

- Property Law
- Law and Religion
- Legal Theory

### Awards

- Australian Legal Education Awards (ALEA) of the Council of Australian Law Deans (CALD) and the Legal Education Associate Deans (LEAD) Network, Excellence in Research Supervision Award, 2021

- The University of Adelaide Nominee for Australian Council of Graduate Research (ACGR) Award for Excellence in Graduate Research Supervision sponsored by ResearchMaster, 2022
- Executive Dean of the Faculty of Arts, Business, Law, and Economics Nominee for University of Adelaide Stephen Cole the Elder Prize for postgraduate supervision, 2022

## Why should students study with the University of Adelaide?

The Adelaide Law School is one of the oldest law schools in Australia; but that does not mean we are stuck in the past. Our long history is one of responding to the most pressing legal and governmental issues of our time. We have always, and we continue now, to look to the future of law and its place in contemporary Australia.

## Why research law and religion?

Many of the most significant issues in our world today—such as the development and use of AI, the ethics of warfare, the exploration of space, climate change, poverty, and health care—involve issues

that begin with the interaction between law and religion. As citizens look for solutions to those problems, we will look increasingly to those who have examined closely the relationship of law with religion, and how we might mediate the role of religion in society.

## Projects students may be interested in

- The ethics and morality of AI and how law might respond to the challenges posed by this technology
- The way in which the state mediates and regulates the place of religion
- Law reform relating to beginning and end of life

## Recent publications

Paul Babie and William Fay, “There’s a Moment When All Old Things Become New Again”: The Canadian Oil and Gas Royalty – A Modern Rent Charge’ (2023) 46 Fordham International Law Journal 291

Paul Babie and Mark Giancaspro, ‘Cryptocurrency, Crypto-Tokens and Crypto-Assets as “Data Objects”: A Novel Form of Property’ (2022) 127(3) Penn State Law Review Penn Statim 95

Paul Babie, ‘What A Theory of Property Tells Us About Ourselves’ (2023) 13(4) Jurisprudence: An International Journal of Legal and Political Thought 613

Paul Babie, Arvind P Bhanu and Gian-Luca Stirling, ‘The Protection of Religious Speech as Expressive Conduct in the Constitutions of Australia, India, and the United States’ (2022) 100(1) University of Detroit Mercy Law Review 1

# Music



Elder Conservatorium is recognised internationally as a specialist music institution.



Specialisations include Classical Performance, Creative Practice, Jazz Performance, Music Education, and Music Theatre.



Research quality rated above world standard.

As one of Australia's oldest and most distinguished tertiary music schools, the Elder Conservatorium of Music plays a leading role in Australia's musical landscape. Through its research programs, it encourages the development of new parameters of artistic and scholarly endeavour that contribute to the advancement of knowledge and practice in the art of music.

The Conservatorium offers international postgraduate students access to outstanding resources, including one of the largest music libraries in the Southern Hemisphere.

It maintains a wide range of professional links with music schools, conservatories and music organisations within South Australia and across the nation; and it sustains strong connections with important institutions in the UK, USA, Canada, Asia and Europe.

## Research centres and institutes

- The J.M. Coetzee Centre for Creative Practice (jointly with the School of Humanities) [adelaide.edu.au/jmcoetzeecentre](http://adelaide.edu.au/jmcoetzeecentre)
- Sia Furler Institute for Contemporary Music and Media [able.adelaide.edu.au/music/sia-furler-institute](http://able.adelaide.edu.au/music/sia-furler-institute)
- National Centre for Aboriginal Language and Music Studies [able.adelaide.edu.au/ncalms](http://able.adelaide.edu.au/ncalms)
- Centre for Aboriginal Studies in Music [able.adelaide.edu.au/music/study/national-centre-for-aboriginal-language-and-music-studies-ncalms/centre-for-aboriginal](http://able.adelaide.edu.au/music/study/national-centre-for-aboriginal-language-and-music-studies-ncalms/centre-for-aboriginal)

## Research areas

Staff at the Elder Conservatorium are active researchers and supervisors in a variety of areas, including:

- Australian Indigenous music
- Contemporary music
- Music and society
- Music analysis
- Music and health
- Music composition (including concert music, music for film and television, electro acoustic music, and jazz composition)
- Music performance (classical, pop and jazz)
- Traditional and contemporary music in Asia
- Chinese traditional music
- Digital technologies and sound design.

To find a supervisor, submit a research proposal or learn more about research at the Elder Conservatorium of Music, visit: [music.adelaide.edu.au/research](http://music.adelaide.edu.au/research)

## Further information or advice

T: +61 8 8313 5995  
E: [music@adelaide.edu.au](mailto:music@adelaide.edu.au)  
W: [music.adelaide.edu.au](http://music.adelaide.edu.au)



**I've been able to learn from some of the best mentors in my field. The university has given me support to grow and expand my skills in a new area and engage with other fields, and I have developed new interests since coming to this university that have changed my perspective on research. I have had the opportunity to work closely with my supervisor, and tackle interdisciplinary research in music."**

**Iran Sanadezah**  
PhD in Musicology/Sonic Arts

## Supervisor spotlight



## Stephen Whittington

Associate Director - International

### Fields of research

- Composition
- Transcultural Music
- Contemporary Music Performance
- Sonic Arts

## Why should students study with the University of Adelaide?

During its long history the Elder Conservatorium of Music has been a pioneer in many areas of music research. While it continues to offer expert supervision for research in traditional fields such as musicology, composition and performance, the Conservatorium also engages with the contemporary musical world through research in new fields such as music and sound design for computer games, film, virtual reality (VR) and artificial intelligence (AI).

Postgraduate students at the Conservatorium work in a supportive research environment with supervisors who are internationally recognised leaders in their fields. Students from Australasia, Asia, Europe and the Americas and a lively and diverse on-campus musical life create a rich and stimulating cultural environment for students to work in.

## Why research music at Adelaide?

The importance of music in the lives of individuals and societies is widely recognised. Music research deepens our knowledge of ourselves and our cultures, contributes to cross-cultural understanding, and creates new pathways for creative expression. With a global view of music that encourages students to research, perform and create music in Western and non-Western traditions - or to combine them - and to engage with the constantly evolving world of music today, the research possibilities at the Conservatorium are wide-ranging and exciting.

## Recent publications

- Final Fragments (solo piano). Vinyl album. De la Catessen, 2021.
- En creusant dans le jardin de John Cage. Jardins, 2022.
- The Seriocomedy of Silence. Australian Humanities Review, 2022.

# Social Sciences



**In-depth engagement with industry, government, community and NGOs.**



**Join a thriving and highly supportive research environment.**



**Access to high-achieving research centres.**

The School of Social Sciences produces and fosters cutting edge applied social research across a broad range of areas, including migration; coastal management; cities; housing; crime; gender; health; the lives of young people; public imaginations of the future; marginalised and vulnerable people; and international development.

Globally recognised academics in the School lead work in:

- housing markets
- public policy
- foreign policy
- political theory
- environment
- anthropology and development studies
- gender
- health
- Indo-Pacific politics and governance
- deviance and social control.

The School offers diversity and depth in its disciplinary offerings, including anthropology and development studies; sociology, criminology and gender studies;

geography, environment and population; politics and international relations; and Asian Studies and languages. You'll be able to explore and contribute to the ideas, values and practices that shape the world, including deep insights into social justice, equality, crime, political practice and cultural and social membership – and discover how disciplinary knowledge provides deep understanding of the past, the present, and the future of humankind. Postgraduate scholars will thrive in a supportive research environment that produces graduates well-equipped for work in industry, government, NGO and community posts in Australia and overseas, but the jobs of the future for Social Science graduates are related to its multidisciplinary speciality, of understanding and developing solutions to humanity's most pressing challenges. These include dealing with climate change, resource scarcity, pandemics and international terrorism, securing global health and cybersecurity, thinking through and with artificial intelligence, and making the world safe for human difference and diversity. These jobs are only just emerging and open out to a huge diversity

of growing career options. According to the National Skills Commission (2023) careers in the Arts generally are predicted to grow by almost 9% by 2026.

School staff frequently collaborate with industry and government bodies. These include the United Nations, UNICEF, Australian Red Cross, National Roads and Motorists' Association, numerous local governments, and the Australian Government departments of:

- Foreign Affairs and Trade
- Health (incorporating ageing services)
- Environment and Energy
- Social Services (incorporating housing and community services)
- Home Affairs (incorporating immigration)
- Attorney-General's Department (incorporating native title).

## Research centres

- Australian Centre for Housing Research [able.adelaide.edu.au/housing-research](http://able.adelaide.edu.au/housing-research)
- The Fay Gale Centre for Research on Gender [adelaide.edu.au/gender](http://adelaide.edu.au/gender)
- Stretton Institute [adelaide.edu.au/stretton](http://adelaide.edu.au/stretton)

## Research areas

### Anthropology and Development Studies

- Anthropological perspectives on various locales: Aboriginal Australia, Australia, Europe, Melanesia and Oceania, South Asia, Southeast Asia and East Asia.
- Ethnography in anthropology: theory and methods of anthropology; feminist perspectives of ethnography; postmodern ethnography; and material culture
- Anthropology of substance use
- Critical health studies
- Phenomenology
- Art and aesthetics in cultural processes: belief systems and ritual symbolism; cosmology and myth; cultural constitution of identity ethnicity; multiculturalism, nationalism and regionalism; and domestic organisation
- Applied anthropology
- Medical anthropology
- Environmental anthropology
- Colonialism, the state, and Third and Fourth World peoples
- Critical studies in social development,

especially in the Asia-Pacific region: peasant society; rural society and the contemporary state; small communities in contemporary complex society; social and political organisation; social mobility; systems of hierarchy and inequality; and systems of land tenure

- Gender relations; mass/popular consumption; media; medical anthropology; and visual anthropology

### Asian Studies

- Chinese linguistics: dialectology; L2 acquisition of Chinese and Japanese; and translation studies
- Asia: social change, politics and history; regional development; social and political reform; work and leisure; cultural influences; soft power; spirituality; Asian world influence; Australia-Asia relations in the context of regional institutions, energy policy and power transition; and research into higher education

## Supervisor spotlight



**Dr Susan Hemer**  
Senior Lecturer

### Fields of research

- Medical Anthropology
- Psychological Anthropology
- Social history of Medicine

### Awards

- Stephen Cole the Elder Award for Excellence in HDR supervisory practices.
- Commendation for the Enhancement and Innovation of Student Learning (Supervision). University of Adelaide.
- Faculty of Arts, Business, Law and Economics Prize for Excellence in Teaching (Supervision).

### Why should students study with the University of Adelaide?

The Faculty of Arts, Business, Law and Economics boasts some of the best supervisors for HDR students in the University as borne out through recent supervisory awards. Our supervisors publish in international journals on exemplary supervisory practices, meaning that we lead in the field of practice. We reflect carefully on how best to support students to become excellent researchers in their fields.

### Why research Medical Anthropology at Adelaide?

The university of Adelaide hosts a range of highly qualified researchers interested in Medical Anthropology working across a range of societies including Australia, other OECD nations and the Asia Pacific. We carry out research on social, cultural and historical aspects of infectious diseases, non-communicable diseases, mental health and illness, and death and dying and access to health care systems.

### Projects students may be interested in

- Anthropology of death, dying and grief
- Social and anthropological aspects of disability
- Socio-cultural and historical shaping of health care

### Recent publications

Culture and grief: ethnographic perspectives on ritual, relationships and remembering. (with G.Silverman & A. Baroiller) *Death Studies* 45(1): 1-7. DOI: 10.1080/07481187.2020.1851885.

Global Health, Tuberculosis and Local Health Campaigns: Reinforcing and Reshaping Gender and Health Inequalities in Lihir, Papua New Guinea. In *Unequal Lives: Gender, Race and Class in the Western Pacific* Edited by N. Bainton, D. McDougall, J. Cox, & K. Alexeyeff (eds). Canberra: ANU Press.

Emotion as Motivator: parents, professionals and diagnosing childhood deafness. (with Claire Harris & Anna Chur-Hansen) *Medical Anthropology*. DOI: 10.1080/01459740.2020.1796659.

Broadcasting your death through livestreaming: Understanding cybersuicide through concepts of performance. (with Annamaria Fradini) *Culture, Medicine & Psychiatry*. DOI: 10.1007/s11013-020-09671-9



**My PhD studies were great fun and deeply rewarding. I benefited from excellent supervision, developing skills that have positioned me well for my current role as Research Fellow with the Centre for Social Impact (Flinders University). This opportunity arose from a collaborative project I was asked to join during my studies."**

**Veronica Coram**  
PhD in Political Science

- China: governance; rural studies; contemporary politics; education; intellectual and cultural change; language education; language acquisition; translation/interpreting studies; Chinese linguistics; dialectology; critical thinking on contemporary China; Chinese migration to Australia; western media reportage of China; western academic and media construction of China; and discourse analysis of China
- Japan: contemporary political issues; environmental issues; foreign policy; defence and security; education, youth and culture; issues of governance; intercultural language teaching and learning; language education; spirituality; and social theory

**Geography, Environment and Population**

- Australian demography
- Climate change
- Coastal management
- Environmental change: Australia, Southeast Asia and the Pacific
- Environmental planning and governance
- Biodiversity conservation and food security
- Human impact on lakes and wetlands
- Indigenous peoples and the environment
- Migration and development

- Migration policy
- Non-market valuation
- Permaculture
- International global migration
- Housing and urban planning
- Regional development
- Small-scale forestry
- Transport and mobilities
- Urban futures
- Urban management
- Water security

**Politics and International Relations**

- Australian politics and public policy: political institutions, parties and voting rights; Australian political history; and key social, technological and economic issues
- International relations
- Human rights and justice: political rights; economic inequality; migration; ethnicity; gender; and sexuality
- The history of political thought
- International comparative politics: Northeast and Southeast Asia; the Middle East; Eastern and Western Europe; Britain; the South Pacific; and Latin America
- Foreign policy: Australia, China, India and Russia
- Changing geopolitics and international political economy

- Security studies
- Citizenship studies
- Environmental politics

**Sociology, Criminology and Gender Studies**

- Sociology
- Criminology and criminal justice processes
- Risk and surveillance
- Australia: cultural studies; gender and cultural difference; popular culture and media representations; and race relations
- Gender bodies and health
- Obesity
- Health policy
- Human rights
- Medical anthropology
- Post-colonial histories; research methodology; theory
- Sexuality
- Social policy and citizenship
- Families
- Youth
- Urban living

**Further information or advice**

School of Social Sciences, Napier building, Ground Floor, North Terrace campus, University of Adelaide, SA 5005 Australia

T: +61 8 8313 5654  
E: [socialsciences@adelaide.edu.au](mailto:socialsciences@adelaide.edu.au)  
W: [able.adelaide.edu.au/socialsciences/research](http://able.adelaide.edu.au/socialsciences/research)

To find a supervisor, submit a research proposal or learn more about this area of research, visit: [able.adelaide.edu.au/our-research](http://able.adelaide.edu.au/our-research)

# Faculty of Health and Medical Sciences

The Faculty of Health and Medical Sciences is a world leader in health education and impactful research.

The faculty conducts world-class fundamental, biomedical, translational, and population health research across the life span—from conception to ageing. The implementation of findings from this work has vastly improved understanding of illness, prevention, management and wellbeing in our community and contributed to greater quality of life throughout society. Our innovative technologies and novel scientific discoveries have led to new treatments, new ways of thinking, and the development of life-enhancing new health policy.

Consequently, we are ranked #1 in South Australia for Health and Medical Science research. Our output is universally rated 'world standard' or above in the most recent Excellence in Research for Australia assessment\*, with research in 11 distinct areas considered 'well above' world standard.

We have a reputation for outstanding teaching and producing career-ready graduates. Study with us and you will be guided by outstanding educators and researchers who are national and international leaders in

their fields. You will learn in stunning, state-of-the-art facilities that are among the best in the world.

We offer degrees in medicine and surgery, dentistry and oral health, nursing, health and medical sciences, allied health, public health, psychology, counselling and psychotherapy, and addiction studies. All develop highly skilled and compassionate professionals who aspire to the highest standards of integrity and ethical behaviour. All will immerse you in a vibrant student and campus culture, complete with

every possible support to help you succeed.

\* 2018 Excellence in Research for Australia

# Allied Health



**Outstanding researchers in clinical, translational, and interprofessional fields.**



**A robust collaborative network, including public and private health care organisations, industry, and community partnerships.**



**Part of South Australia's most comprehensive and unrivalled health research environment.**

The School of Allied Health Science and Practice brings together multiple health care disciplines, creating an interprofessional and collaborative research environment. The school's academic staff have broad experience in the delivery of high-quality and innovative clinical and translational research. You will have the opportunity to undertake research in cutting-edge, custom-built facilities under the expert guidance of supervisors with industry recognised experience.

## Research areas

Researchers in the School of Allied Health Science and Practice can provide you with access to a comprehensive array of interdisciplinary research opportunities.

Our researchers seek novel approaches and contributions to providing industry-best client outcomes. The school's research spans a broad range of fields, including:

- physiotherapy
- occupational therapy
- speech pathology
- chronic pain
- public health
- neuroscience
- cultural and linguistic diversity
- social communication skills
- policy, health equity, and justice
- cancer treatment.

## Industry and research partnerships

The School of Allied Health Science and Practice's academic staff have strong relationships with numerous research centres, health care providers, government agencies and industry organisations.

## Allied Health postgraduate coordinator

Dr Rutger de Zoete  
E: [rutger.dezoete@adelaide.edu.au](mailto:rutger.dezoete@adelaide.edu.au)

## Further information or advice

School of Allied Health Sciences and Practice, Faculty of Health and Medical Sciences, The University of Adelaide  
SA 5005 Australia

E: [research\\_degrees@ask.adelaide.edu.au](mailto:research_degrees@ask.adelaide.edu.au)  
W: [health.adelaide.edu.au/our-research](http://health.adelaide.edu.au/our-research)



**Starting my PhD at University of Adelaide has given me the opportunity to be supervised by some of the top researchers in the field of pain. Through my research, I hope to improve the understanding of chronic neck pain and influence the exercise prescription and decision making of health care professionals. I hope I will be able to provide new insights to the mechanistic effect of exercise on central sensitisation in individuals with chronic neck pain, and the neurophysiological understanding of chronic pain."**

**Kexun Kenneth Chen**

PhD in Exercise Therapy and Chronic Neck Pain



## Supervisor spotlight

### Associate Professor Stacie Attrill

Associate Professor and Associate Dean (curriculum); Head of Speech Pathology program

#### Fields of research

- Health service access, use and outcomes for culturally and linguistically diverse communities.
- Health professional diversity: participation and outcomes for health professionals and students who are from minority or diverse communities.
- Eating and swallowing outcomes for people with neurodegenerative conditions who have dysphagia.

#### Awards

- NDIS Quality and Safeguards Commission grant with a multi-state research team for 'Developing behaviour support decision-making tools and resources for participants and practitioners'.
- Grants from Department of Industry and Skills; and Department of State development with a multi-institutional research team for "Enabling the allied health workforce providing NDIS funded services to develop business strategies"; and 'Building allied health workforce for NDIS funded service delivery'.
- Speech Pathology Australia grant for 'Being a culturally and linguistically diverse speech pathologist in Australia: exploring practice experiences and perspectives'.

#### Why should students study with the University of Adelaide?

The University of Adelaide has a vibrant community of students completing research in allied health. With close connections with local, national and international allied health stakeholders, and with a focus on multi-disciplinary, interprofessional opportunities, our research is at the cutting edge of allied health science and practice. The University of Adelaide provides specific discipline expertise in Occupational Therapy, Physiotherapy and Speech Pathology. However, with high quality supervision and research programs that reflect broad allied health theory and practice, we welcome higher-degree research students from a broad range of health professional backgrounds.

#### Why research allied health at Adelaide?

The broad umbrella of allied health science and practice provides diverse opportunities for research students to explore discipline specific or interprofessional practice. Research students have access to world class and allied-health specific teaching and laboratory facilities and work in collaboration with industry partners to produce exciting research that reflects real-world practice that improves the lives of clients and communities.

#### Projects students may be interested in

Our world-renowned allied health research teams explore discipline specific problems, such as physiotherapy interventions for pain, and culturally responsive speech pathology for people with complex communication or swallowing needs; and broader allied health research including health workforce development; or health and care systems that respond to intersectional community needs.

#### Current research projects include

- Use of brain stimulation technology to treat aphasia.
- Pain interventions in physiotherapy.
- Occupational management of extreme temperature workplaces.
- Access and outcomes for people with disability who participate in the NDIS.
- Using brain neuroimaging (e.g. MRI and fMRI) to investigate the mechanisms underlying chronic pain.
- Culturally responsive supports for people with swallowing disorders or complex communication needs.

#### Recent publications

Foley, K., Attrill, S., McAllister, S., & Brebner, C. (2021). Impact of transition to an individualised funding model on allied health support of participation opportunities. *Disability and Rehabilitation*, 43(21), 3021-3030.

Francis, R., Attrill, S., & Doeltgen, S. (2021). The impact of cognitive decline in amyotrophic lateral sclerosis on swallowing. A scoping review. *International Journal of Speech-Language Pathology*, 23(6), 604-613.

Attrill, S., Davenport, R., & Brebner, C. (2021). Professional socialisation and professional fit: Theoretical approaches to address student learning and teaching in speech-language pathology. *International Journal of Speech-Language Pathology*, 1-12.

Foley, K., Attrill, S., & Brebner, C. (2021). Co-designing a methodology for workforce development during the personalisation of allied health service funding for people with disability in Australia. *BMC health services research*, 21(1), 1-15.

Attrill, S., Lincoln, M., & McAllister, S. (2020). International students in professional placements: supervision strategies for positive learning experiences. *International Journal of Language & Communication Disorders*, 55(2), 243-254.

# Dentistry



**Outstanding researchers in clinical, translational, and interprofessional fields.**

Adelaide Dental School is one of Australia's peak centres of excellence in oral health, delivering internationally recognised education, research and service.



**Part of South Australia's most comprehensive and unrivalled health research environment.**

The school offers a comprehensive range of accredited, clinically focused undergraduate and postgraduate dentistry and oral health degrees, including the Bachelor of Dental Surgery, Bachelor of Oral Health, Graduate Certificate of Oral Health Science and Doctor of Clinical Dentistry, as well as degrees with a research focus including Honours, Master of Philosophy and PhD.



**Accredited, clinically-focused and widely acclaimed programs in dentistry and oral health.**

Adelaide Dental School and the Adelaide Dental Hospital (SA Dental Service) are located in the University's state-of-the-art Adelaide Health and Medical Sciences (AHMS) building. These clinical facilities are complemented by the high-tech simulation facilities in the Dental Simulation Clinic.



**Join a supportive and collegial learning environment.**

The links with these key clinical settings ensure that there are opportunities for interprofessional and collaborative

research. The school's academic staff have broad experience in the delivery of high-quality and innovative clinical and translational research related to dentistry and oral health.

## Research centre

- Australian Research Centre for Population Oral Health [adelaide.edu.au/arcpoh](http://adelaide.edu.au/arcpoh)

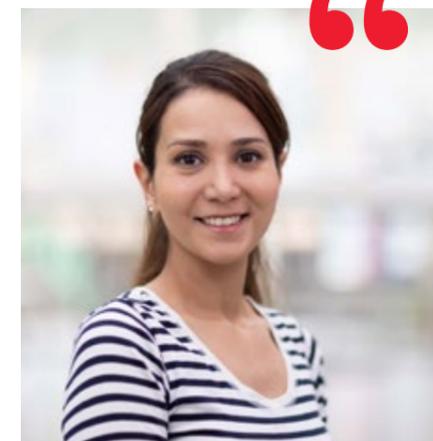
## Areas of research focus

Oral health is an essential component of a healthy life. Oral health is not only concerned with teeth, but the health of oral and related tissues that enables an individual to eat, speak and socialise without active disease, discomfort or embarrassment—all of which contribute to general wellbeing. Importantly, it is now well recognised that there are strong bidirectional links between oral health and systemic disease.

There are three broad research themes which encompass research activities in the school:

1. Biological basis of oral disease – Associate Professor Peter Zilm
2. Clinical oral research – Dr Sabine Selbach
3. Population oral health (including the Indigenous Oral Health Unit) – Professor Lisa Jamieson

Within these groups there are various specific areas of research ranging from basic science to clinical and translational research. Areas include: craniofacial biology, dental education, endodontics and pulp biology, forensic odontology, oral and maxillofacial surgery, oral and maxillofacial pathology, oral microbiology and immunology, orthodontics, paediatric dentistry, periodontics, prosthodontics and special needs dentistry. Adelaide Dental School has a key research centre, the nationally recognised Australian Research Centre for Population Oral Health (ARCPOH), which undertakes epidemiological studies focusing on the efficacy of population oral health interventions, oral health services and oral health policy analysis in relation to oral disease prevention and provision of optimal dental health services.



“

**My PhD experience has taught me to be creative and look for new approaches to answer the old, complex questions. I was really fortunate to have some fantastic mentors and supervisors to guide me through the process. Now, I am more courageous, resilient, and capable of solving problems.”**

**Mehrsa Zakershahak**  
PhD of Dentistry

The Indigenous Oral Health Unit, which is part of ARCPOH, is concerned with Indigenous oral health, access to dental care, and the labour force and provision of dental care to Australia's First Nations people.

## Industry and research partnerships

Adelaide Dental School fosters collaborative relationships with a broad range of researchers from academic institutions locally, nationally and internationally.

Striving to make a difference to the lives of others, oral health researchers promote collaborative industry partnerships, including a long-standing relationship with Colgate Oral Care.

## Dentistry postgraduate coordinator

Professor Toby Hughes  
E: [toby.hughes@adelaide.edu.au](mailto:toby.hughes@adelaide.edu.au)

To find a supervisor or learn more about this area of research, visit: [health.adelaide.edu.au/dentistry/research](http://health.adelaide.edu.au/dentistry/research)

## Further information or advice

Adelaide Dental School  
Faculty of Health and Medical Sciences  
The University of Adelaide  
SA 5005 Australia

E: [research\\_degrees@ask.adelaide.edu.au](mailto:research_degrees@ask.adelaide.edu.au)  
W: [health.adelaide.edu.au/our-research](http://health.adelaide.edu.au/our-research)

## Supervisor spotlight



## Associate Professor Peter Zilm

Adelaide Dental School

## Fields of research

- Oral Microbiology
- Bacterial biofilms
- Nanomaterials

## Why should students study with the University of Adelaide?

The University of Adelaide provides excellence in both teaching and research and therefore combines student learning with the latest developments in their chosen topic.

## Why research oral health at Adelaide?

Adelaide Dental School has a long tradition of excellence in research. Our philosophy in research is to engage with top researchers

in different fields so that research projects are multidisciplinary, innovative and world class.

## Projects students may be interested in

- The development of oral microbiome transplantation in Australia.
- The dysbiosis of the gut microbiome and subsequent inflammation caused by changes in the gut metabolome following periodontitis.
- The development of “intelligent” particles to improve treatment of dental caries in children and the elderly.
- Disruption of multi-species biofilms using novel biofilm inhibitors.

## Recent publications

Hayles, A. Hasan, J. Bright, R. Wood, J. Palms, D. Zilm, P. Barker, D. Vasilev, K. Spiked Titanium Nanostructures Inhibit Anaerobic Dental Pathogens. *ACS Applied Nano Materials*. Accepted Jan 2022.

Andrew Hayles, Richard Bright, Jonathan Wood, Dennis Palms, Peter Zilm, Toby Brown, Dan Barker and Krasimir Vasilev. Spiked Nanostructures Disrupt Fungal Biofilm and Impart Increased Sensitivity to Antifungal Treatment. *Advanced Materials Interfaces* 2022 DOI: 10.1002/admi.202102353.

Sonia Nath, Peter Zilm, Lisa Jamieson, Kostas Kapellas, Nirmal Goswami, Kevin Ketagoda, Laura S. Weyrich. Development and characterization of an oral microbiome transplant among Australians for the treatment of dental caries and periodontal disease: A study protocol. *Plos One. PLoS ONE* 16(11): e0260433: <https://doi.org/10.1371/journal.pone.0260433>.

Neethu Ninan, Blessy Joseph, Rahul Madathiparambil Visalakshan, Richard Bright, Clement Denoual, Peter Zilm, Yogesh Bharat Dalvi, P. V. Priya, Aji Mathew, Yves Grohens, Nandakumar Kalarikkal, Krasimir Vasilev and Sabu Thomas. Plasma assisted design of biocompatible 3D printed PCL/silver nanoparticle scaffolds: in vitro and in vivo analyses. 2021. *Materials Advances*. DOI: 10.1039/d1ma00444a.

Kumarasinghe LS. Ninan, N. Lakshika Dabare, PR. Cavallaro, A. Dogramaci, E. Rossi-Fedeles, G. Dreyer, C. Vasilev, K. Zilm, P. Bioactive plasma coatings on orthodontic brackets: metal ion re-lease and cytotoxicity. *Coatings* 2021, 11, 857. <https://doi.org/10.3390/coatings11070857>. IF 2.881.

Khider, D. Rossi-Fedeles, G. Fitzsimmons, T. Vasilev, K. Zilm, P. Disruption of Enterococcus Faecalis biofilms using individual and plasma polymer encapsulated D-amino Acids. *Clinical Oral Investigations*. 2020. DOI 10.1007/s00784-020-03663-0.

# Medicine



Join a vibrant, supportive and high-impact research community.



Benefit from our strong research partnerships with industry, both locally and internationally.



Gain access to state-of-the-art facilities.

Adelaide Medical School provides an innovative and collaborative research environment and includes highly successful researchers. Established in 1885, the school provides a world-class learning environment for students studying medicine and undertaking translational research.

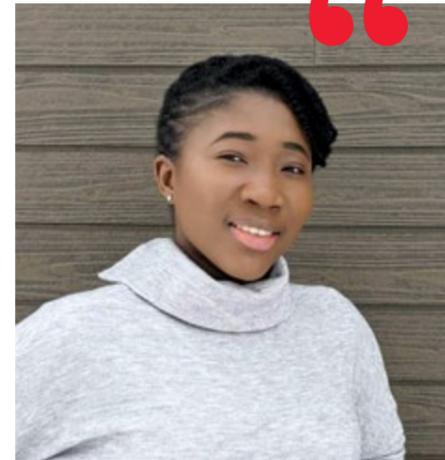
Building on a well-established international reputation for expanding knowledge, our school offers a diverse range of health care research programs across many disciplines and nurture the next generation of scientists and clinical researchers.

Adelaide Medical School provides a stimulating research environment, with access to state-of-the-art facilities, including the Adelaide Health and Medical Sciences building and multifunctional Ray Last Laboratories. Students can expand their knowledge and capabilities under the expert guidance of supervisors who are internationally recognised and collaborate widely.

## Industry and research partnerships

Adelaide Medical School works with other research partners, local health networks and state and federal government departments, as well as a broad range of industry partners—from small start-ups to large multinational companies.

We successfully identify and develop technologies to address unmet medical needs in the community and translate these to market in collaboration. Technologies developed across a range of disciplines have been commercialised domestically and internationally. Our researchers have strong partnerships with major research organisations both in Australia and internationally. Key partners include the South Australian Health and Medical Research Institute (SAHMRI), the Royal Adelaide Hospital, the Queen Elizabeth Hospital, and the Lyell McEwin Hospital. In addition, there are exciting international partnerships with universities in Nagoya (Japan) and Nottingham (UK).



Gaining admission to the University of Adelaide graduate program has granted me the opportunity to realise my dream of contributing to the fight against cancer. My research focuses on identifying optimal drug combinations for the management of advanced prostate cancer with the end goal of improving survival in these patients."

**Josephine Hinneh**  
PhD in Medical Science

## Research institutes

- The Basil Hetzel Institute for Translational Health Research [basilhetzelinstitute.com.au](http://basilhetzelinstitute.com.au)
- The Robinson Research Institute [adelaide.edu.au/rri](http://adelaide.edu.au/rri)
- The South Australian Institute of Ophthalmology [health.adelaide.edu.au/ophthalmology](http://health.adelaide.edu.au/ophthalmology)
- South Australian Immunogenomics Cancer Institute (SAIGENCI) [adelaide.edu.au/saigenci](http://adelaide.edu.au/saigenci)

## Research centres

- Centre for Orthopaedic and Trauma Research [adelaide.edu.au/ortho-trauma](http://adelaide.edu.au/ortho-trauma)
- Centre for Heart Rhythm Disorders [adelaide.edu.au/chrhd](http://adelaide.edu.au/chrhd)
- Centre for Nanoscale BioPhotonics [cnbp.org.au](http://cnbp.org.au)
- Dame Roma Mitchell Cancer Research Laboratories [health.adelaide.edu.au/dame-roma-mitchell-cancer-research-laboratories](http://health.adelaide.edu.au/dame-roma-mitchell-cancer-research-laboratories)
- Adelaide Geriatrics Training and Research with Aged Care (G-TRAC) Centre [health.adelaide.edu.au/medicine/g-trac](http://health.adelaide.edu.au/medicine/g-trac)

- Centre for Research Excellence in Translating Nutritional Science to Good Health [adelaide.edu.au/cre-nutrition](http://adelaide.edu.au/cre-nutrition)
- Freemasons Centre for Male Health and Wellbeing [fcmhw.org.au](http://fcmhw.org.au)
- Vascular Research Centre [sahmri.org.au/research/themes/lifelong-health/programs/heart-and-vascular-health/groups/vascular-research-centre](http://sahmri.org.au/research/themes/lifelong-health/programs/heart-and-vascular-health/groups/vascular-research-centre)
- Pain and Anaesthesia Research Clinic [adelaide.edu.au/painresearch](http://adelaide.edu.au/painresearch)

## Supervisor spotlight



### Professor Leonie Heilbronn

Group Leader,  
Obesity and  
Metabolism lab

#### Fields of research

- Obesity
- Nutrition
- Metabolism

#### Awards

- 2020 Exercise and Sport Sciences Reviews Paper of the Year

#### Why should students study with the University of Adelaide?

One advantage of studying at the University of Adelaide is that our third-year students have the opportunity to take part in a scientific placement program with our researchers. With this, they can see first-hand how to be a researcher. They will be involved from forming the hypothesis, conducting the experiments, to analysing, interpreting, and presenting the data. This process is invaluable, and an integral step in learning to design, manage and complete any project.

#### Why research obesity and metabolism at Adelaide?

Good nutrition underpins lifelong health and small changes in diet can have very large

metabolic health benefit. The University has a strong and long history of excellence in nutritional research and has an ERA ranking of 5, well above world standard in this field.

#### Projects students may be interested in

- Role of meal timing in health and disease
- Role of ultra-processed foods in driving the obesity epidemic
- Role of protein in aging and longevity

#### Recent publications

Teong XT, Liu K, Vincent AD, Bensalem J, Liu B, Hattersley KJ, Zhao L, Feinle-Bisset C, Sargeant TJ, Wittert GA, Hutchison AT, HEILBRONN LK. Intermittent fasting plus early time-restricted eating versus calorie restriction and standard care in adults at risk of type 2 diabetes: a randomized controlled trial. *Nat Med.* 2023 Apr; 29(4): 963-972.

Zhao L, Hutchison A, Liu B, Teong XT, Campbell CT, Nguyen L, Au J, Grant C, Manoogian E, Williams A, Wittert GA, Banks S, Panda S, HEILBRONN LK. Time restricted eating improves glycaemia and dampens energy consuming pathways in adipose tissue in men with obesity. *Nutrition* 2022; 96:111583.

Liu B, Hutchison A, Thompson C, Lange K, Wittert G, HEILBRONN LK. Effects of Intermittent Fasting or Calorie Restriction on Markers of Lipid Metabolism in Human Skeletal Muscle. *J Clin Endo Metab* 2021;106:e13389-99.

Parr E, HEILBRONN LK, Hawley JA. A time to eat and a time to exercise. *Exerc Sport Sci Rev* 2020; 48:4-10.



### Research areas

Our medical researchers are internationally recognised for their research aimed at improving health and wellbeing across the life span, from conception to ageing.

Areas of research strength include:

- cancer biology and clinical oncology
- cardiac, respiratory, and vascular health
- fertility and conception
- pregnancy and birth
- early origins of health
- child and adolescent health
- neuroscience, behaviour, and brain health
- surgical health systems and innovation
- Indigenous health and health equity
- nutrition and metabolic health
- musculoskeletal health
- immunology and infection
- translational health outcomes
- innovative therapeutics
- aging, frailty and mobility
- men's health.

When you undertake medical research at the University of Adelaide, you become part of a vibrant, high impact research community. At any one time, there are over 500 students enrolled in our Honours, Masters, and PhD programs— all striving to transform lives by improving human health.

### Medicine postgraduate coordinator

Dr Tiffany Gill  
E: [tiffany.gill@adelaide.edu.au](mailto:tiffany.gill@adelaide.edu.au)

### Further information or advice

To read about our research opportunities visit: [health.adelaide.edu.au/our-research/honours-and-higher-degrees-by-research](https://health.adelaide.edu.au/our-research/honours-and-higher-degrees-by-research)

Adelaide Medical School  
Faculty of Health and Medical Sciences  
The University of Adelaide  
SA 5005 Australia

E: [research\\_degrees@ask.adelaide.edu.au](mailto:research_degrees@ask.adelaide.edu.au)  
W: [health.adelaide.edu.au/our-research](https://health.adelaide.edu.au/our-research)



# Biomedicine



Join a vibrant, supportive and high-impact research community.



Benefit from our strong research partnerships with industry, both locally and internationally.



Gain access to state-of-the-art facilities.

Established in 2021, the School of Biomedicine enhances biomedical teaching and research capability across medical and health sciences, including areas such as addiction, epigenetics, neuroscience and reproduction and development.

Building on a well-established international reputation for expanding knowledge, our school offers a diverse range of research programs preparing the next generation of biomedical scientists and clinical researchers for a rapidly changing world.

The School of Biomedicine provides a stimulating research environment, with access to state-of-the-art facilities in the Adelaide Health and Medical Sciences (AHMS) building. The AHMS building is conveniently situated in the heart of the Adelaide BioMed City, near the Royal Adelaide Hospital. Additional facilities such as the multifunctional Ray Last Laboratories and Adelaide Microscopy further connect our students and researchers to a world-leading research environment. Students can expand their knowledge and capabilities under the expert guidance of research supervisors who are internationally

recognised, and who collaborate widely with numerous major research institutes. The School of Biomedicine also excels in multidisciplinary collaboration with researchers working in diverse fields such as photonics and machine learning.

## Industry and research partnerships

At the School of Biomedicine, we work with state and federal government departments as well as a broad range of industry partners, from small start-ups to large multinational pharmaceutical and medical device companies. We successfully identify and develop technologies to address unmet medical needs in the community and have commercialised these in collaboration with industry partners, both in Australia and overseas.

Our researchers have strong partnerships with major research institutes both in Australia and across the world. Locally, these include the South Australian Health and Medical Research Institute (SAHMRI), the Royal Adelaide Hospital, the Queen Elizabeth Hospital, Lyell McEwin Hospital and regional hospitals.

## Research institutes

- The Basil Hetzel Institute for Translational Health Research [basilhetzelinstitute.com.au](http://basilhetzelinstitute.com.au)
- The Robinson Research Institute [adelaide.edu.au/robinson-research-institute/](http://adelaide.edu.au/robinson-research-institute/)
- South Australian Immunogenomics Cancer Institute (SAIGENCI) [adelaide.edu.au/saigenci](http://adelaide.edu.au/saigenci)

## Research centres

- Adelaide Centre of Epigenetics
- Centre for Heart Rhythm Disorders [adelaide.edu.au/chrp](http://adelaide.edu.au/chrp)
- Centre for Nanoscale BioPhotonics [cnbp.org.au](http://cnbp.org.au)
- Dame Roma Mitchell Cancer Research Laboratories [health.adelaide.edu.au/dame-roma-mitchell-cancer-research-laboratories](http://health.adelaide.edu.au/dame-roma-mitchell-cancer-research-laboratories)
- Centre for Research Excellence in Translating Nutritional Science to Good Health [adelaide.edu.au/cre-nutrition](http://adelaide.edu.au/cre-nutrition)
- Vascular Research Centre [sahmri.org.au/research/themes/lifelong-health/programs/heart-and-vascular-health/groups/vascular-research-centre](http://sahmri.org.au/research/themes/lifelong-health/programs/heart-and-vascular-health/groups/vascular-research-centre)
- Pain and Anaesthesia Research Clinic [adelaide.edu.au/painresearch](http://adelaide.edu.au/painresearch)



The University of Adelaide provided ongoing support for my research program, allowing me to attend international conferences, relocate to the Netherlands, meet and collaborate with world experts, and engage with the community. All of which provided great visibility to my research and interaction with the people I am ultimately hoping to help”

**Hannah Wardill**

Past PhD student, now Group Leader for the Supportive Oncology Research Group

## Research areas

Our researchers are internationally recognised for their research across five key disciplines; epigenetics, reproduction and development, pharmacology, physiology and anatomy, and pathology.

Areas of research strength include:

- acute and chronic side effects of cancer treatment
- addiction
- Alzheimer’s disease
- aquaporin physiology and drug discovery
- behavioural and social neuroscience
- cancer chemotherapy
- depression
- drug abuse
- early origins of health
- epigenetics
- fertility disorders
- forensic studies
- gut diseases
- infectious diseases

- mesenchymal stem cells.
- musculoskeletal disease
- neurological diseases
- neurophysiology of human movement
- ovarian cell biology and embryology
- pain
- spinal cord and head injury
- transplantation medicine.

## Biomedicine postgraduate coordinator

Associate Professor Tania Crotti  
E: [tania.crotti@adelaide.edu.au](mailto:tania.crotti@adelaide.edu.au)

## Further information or advice

To read about our research opportunities visit: [health.adelaide.edu.au/our-research/honours-and-higher-degrees-by-research](http://health.adelaide.edu.au/our-research/honours-and-higher-degrees-by-research)

School of Biomedicine  
Faculty of Health and Medical Sciences  
The University of Adelaide  
SA 5005 Australia

E: [research\\_degrees@ask.adelaide.edu.au](mailto:research_degrees@ask.adelaide.edu.au)  
W: [health.adelaide.edu.au/our-research](http://health.adelaide.edu.au/our-research)

## Supervisor spotlight

### Associate Professor Renée Turner

Discipline of Anatomy and Pathology, School of Biomedicine

#### Fields of research

- Stroke
- Brain injury

#### Awards

- Faculty of Health and Medical Sciences Research Excellence Award – Mid-Career Researcher (2022).
- Finalist, University Awards for Outstanding Achievement – A connected and enriched community (2020).

#### Why should students study with the University of Adelaide?

- Be supported by passionate HDR supervisors at the forefront of their fields.

- Our Health and Medical precinct links clinicians and researchers for a truly translational research experience.
- Vibrant campus life—the central campus is right in the heart of Adelaide with wonderful food, shopping and entertainment right on your doorstep!

#### Why research brain injuries?

There is still so much to learn and understand about the brain, and many more exciting discoveries to be made. How can we repair injured brains and nerves? Why

does dementia develop in some stroke patients and not others? How do the gut and brain talk to one another following a brain injury?

#### Projects students may be interested in

- Post-stroke secondary neurodegeneration.
- Biomarkers of stroke recovery.
- Mechanisms driving the development of cerebral oedema.
- The gut-brain axis in acute and chronic stroke.

#### Recent publications

Sorby-Adams, A.J., Marian, O.C., Bilecki, I.M., Elms, L.E., Camargo, J., Hall, K., Crowther, R.G., Leonard, A.V., Jones, C.F., Turner, R.J. (2023) Neurological scoring and gait kinematics to assess functional outcome in an ovine model of ischaemic stroke. *Front. Neurol* 14: 1071794.

Sorby-Adams, A.J., Learoyd, A.E., Bath, P.M., Burrows, F., Farr, T., Leonard, A.V., Schiessl, I., Allan, S.M., Trueman, R.C., Turner, R.J. (2021) Glycerol trinitrate for the treatment of ischaemic stroke: determining efficacy in rodent and ovine species for enhanced clinical translation. *JCBFM* 27168X211018901.

Stuckey, S.M., Ong, L.K., Collins-Praino, L.E., Turner, R.J. (2021) Neuroinflammation as a key driver of secondary neurodegeneration following stroke? *Int. J. Mol. Sci.* 22:13101.

Sanchez-Bezanilla, S., Hood, R.J., Collins-Praino, L.E., Turner, R.J., Walker, R.F., Nilsson, M., Ong, L.K. (2021) More than motor impairment: A spatiotemporal analysis of cognitive impairment and associated neuropathological changes following cortical photothrombotic stroke. *JCBFM* 41:2439-2455.

# Nursing



Join a vibrant, supportive and high-impact research community focused on improving patient care.



Applied clinically oriented research domains.



Strong collaborations with hospitals, industry partners, and other practitioners.

Adelaide Nursing School promotes world-class nursing research, scholarship and clinical practice, and actively supports the community through student-centred degrees and research. Our school brings together an energetic, enthusiastic group of nursing clinicians and academics interested in furthering nursing as a practice and discipline.

Our academic staff are highly experienced clinicians and our teaching is informed by active, ongoing research that focuses on the experiences of health and illness, the practice of nursing and the effects of nursing on health outcomes.

## Industry and research partnerships

Adelaide Nursing School focuses on service innovation and new models of care, quality improvement, and implementation of evidence-based practice through active partnerships with all health care providers such as the Central Adelaide and Northern Adelaide Local Health Networks. The school also helps to shape SA Health policy and assists with the translation of research into practice across acute and community settings.

## Research areas

Adelaide Nursing School is committed to developing transformative health care practice and knowledge, providing an excellent environment for interdisciplinary research and/or postgraduate degrees.

The school provides opportunities for students to participate in research across the faculty's areas of inquiry, including:

- Health systems innovation
- Indigenous health and health equity
- Translational health outcomes
- Ageing, frailty and mobility

Our research programs are organised into three key areas:

1. Safe, effective, quality practice
2. Improving Aboriginal health care
3. Innovations in learning and teaching

### Nursing HDR coordinator

Associate Professor Lynette Cusack  
E: [lynette.cusack@adelaide.edu.au](mailto:lynette.cusack@adelaide.edu.au)

To find a supervisor or learn more about this area of research, visit: [health.adelaide.edu.au/nursing](http://health.adelaide.edu.au/nursing)

## Further information or advice

Adelaide Nursing School  
Faculty of Health and Medical Sciences  
The University of Adelaide  
SA 5005 Australia

E: [research\\_degrees@ask.adelaide.edu.au](mailto:research_degrees@ask.adelaide.edu.au)  
W: [health.adelaide.edu.au/our-research](http://health.adelaide.edu.au/our-research)

**“The University of Adelaide has wonderful research resources and facilities. In 2017, I received a fully funded PhD scholarship from the University of Adelaide. My PhD research examined cardiovascular disease risk behaviours and related health literacy in patients with cardiovascular conditions.”**

**Lemma Negesa Bulto**  
PhD in Cardiovascular disease



# Psychology



Join a thriving, supportive and high-impact research community.



Research strengths spanning health, disability and lifespan development, cognition, and more.



Opportunities to work within one of our many specialised research groups.

The School of Psychology has a proud history at the University of Adelaide with a vibrant PhD student body. The school currently has over 70 higher degree by research students studying various research areas and at various stages of their candidature.

## Industry and research partnerships

The School of Psychology has established collaborative links across the public and private health sectors, as well as local, national and international universities.

In addition to conducting basic research into psychological processes, the school has a strong interest in conducting multidisciplinary research with industry partners, including the Defence Science and Technology Group and the Commonwealth Scientific and Industrial Research Organisation.

## Research areas

School of Psychology researchers contribute to many of the 17 Faculty of Health and Medical Sciences' research specialities including (but not limited to): neuroscience, behaviour, ageing, frailty and mobility, child and adolescent health.

The school has strengths in the areas of child development, clinical, health and forensic psychology, cognition and brain sciences, disability, social psychology, organisational psychology and human factors.

A PhD in Psychology will give you the opportunity to work within one of our many research groups using qualitative and quantitative approaches with different focuses, including:

- Cognitive Neural Sciences Lab
- Active Vision Lab
- Applied Cognition and Experimental Psychology Lab
- Expert Cognition Lab
- Health, Disability, Lifespan and Developmental Research Group

- Psychology Education Research Group
- Affective Science Lab
- Wellbeing Research Lab
- Wellbeing in Learning and Development Lab (WiLD lab)
- Affect and Development Lab
- Develop Well: Adelaide Child and Family Research Group.

## Psychology Postgraduate Coordinator

Dr Diana Dorstyn  
E: [diana.dorstyn@adelaide.edu.au](mailto:diana.dorstyn@adelaide.edu.au)

To find a supervisor, or learn more about this area of research, visit: [health.adelaide.edu.au/psychology](http://health.adelaide.edu.au/psychology)

## Further information or advice

School of Psychology  
Faculty of Health and Medical Sciences  
The University of Adelaide  
SA 5005 Australia

E: [research\\_degrees@ask.adelaide.edu.au](mailto:research_degrees@ask.adelaide.edu.au)  
W: [health.adelaide.edu.au/our-research](http://health.adelaide.edu.au/our-research)



**The best part about undertaking a PhD at the University of Adelaide was having the freedom to let my intellectual curiosity guide my research. The self-directed nature of the program provided me with a level of responsibility, that ultimately led to an immense sense of accomplishment when it was completed."**

**Matthew Stevens** PhD in Psychology

## Supervisor spotlight

### Professor Elaine Fox

School of Psychology

#### Fields of research

- Affective Science
- Cognitive correlates of anxiety and depression
- Adolescent mental health
- Resilience

#### Why should students study with the University of Adelaide?

The School of Psychology spans from basic experimental research to the more applied aspects of the field in an attempt to understand the fundamental drivers of human behaviour. The school also excels in industry research. We engage with government, industry and professional organisations and play a strategic role in the governance of professional psychological practice, public policy development and implementation.

We provide exemplary research supervision. Our academics are highly specialised in a range of methodologies that cover the full spectrum of basic to applied research. This ensures that

our PhD students receive rigorous training in all aspects of their research, including critical analysis and thinking, communication and academic writing.

The excellence of our supervision is highlighted by our graduate outcomes: many of our students continue in successful research, teaching, or professional careers.

We also have one of the largest PhD student cohorts at the University. This is a popular degree with a supportive student committee, making a PhD in our school a very rewarding experience.

#### Why study affective science?

Affective science is a broad field that explores a range of affective phenomena, such as emotions, feelings, mood states, attitudes, and individual differences in affective style. It draws on a range of disciplines from molecular genetics and biology, to social and cognitive psychology, as well as social sciences, law, and many other fields of human endeavour. Professor Elaine Fox's work has tended to focus on the nature of individual differences in those factors that lead to different life trajectories.

#### Projects students may be interested in

- Protective cognitive factors that underpin resilient functioning.
- The influence of cognitive and affective flexibility in mental health and wellbeing.
- The role of intolerance to uncertainty in mental wellbeing.

#### Recent publications

Fox, E. (2022). *Switchcraft: Harnessing the Power of Mental Agility to Transform Your Life*. Published by Hodder & Stoughton in UK; Harper One in USA.

Minihan, S., Songco, A., Fox, E., Ladouceur, C.D., Mewton, L., Moulds, M., Pfeifer, J.H., van Harmelen, A-L., & Schweizer, S. (In Press). Affect and mental health across the lifespan during a year of the COVID-19 pandemic: The role of emotion regulation strategies and mental flexibility. *Emotion* <https://psycnet.apa.org/fulltext/2023-72628-001.html>

Minihan, S., Orben, A., Songco, A., Fox, E., Ladouceur, C.D., Mewton, L., Moulds, M., Pfeifer, J.H., van Harmelen, A-L., & Schweizer, S. (2022). Social determinants of mental health during a year of the COVID-19 pandemic. *Development & Psychopathology*, 1-13, doi:10.1017/S0954579422000396.

Twivy, E., Grol, M., & Fox, E. (2021). Individual differences in affective flexibility predict future anxiety and worry. *Cognition & Emotion*, 35, 425-434.

Parsons, S., Songco, A., Booth, C., & Fox, E. (2021). Emotional information-processing correlates of positive mental health in adolescence: A network analysis approach. *Cognition & Emotion*, 35, 956-969.

# Public Health



**Strong track record in producing research that informs government health policies and public health practices.**



**Join a community of world-leading researchers making discoveries in diverse fields of health care.**



**Researchers work closely with industry, government, and non-government organisations to address real world problems.**

Through our engagement as a community of leading researchers, educators and students, the School of Public Health aims to advance innovative ideas to change public policies, health care practice, and individual behaviours. We are recognised locally, nationally and internationally for our research.

Our senior academic staff are leaders in their fields—in areas such as child health and development, life course epidemiology, genetic epidemiology, health technology assessment and evidence-based health care, health impacts of climate change, health promotion, exposure science and occupational hygiene, palliative care, One health/planetary health, and global public health.

## Research areas

Our world-leading researchers can offer you access to a comprehensive research portfolio, with a particular emphasis on health services research, health policy analysis, child health development, and evidence synthesis and review—each

highlighted by the McKeon Review's report into Australia's health and medical research sector (2013) as strategic for population health research.

Some specific areas of focus include: evidence-based service provision and health program evaluation; evidence-based policy; preventive, clinical and occupational epidemiology; machine learning/artificial intelligence in health; and the development of public health databases.

This is in addition to national priority areas: Indigenous health; primary health care; healthy start for a healthy life; new and emerging health threats; and health in the Asia-Pacific region.

The School of Public Health conducts diverse quantitative, qualitative and mixed methods research in a range of areas extending across the faculty's 17 research areas.

Studying with the school will give you the opportunity to undertake research with a range of differently focused groups, including:

- Adelaide Exposure Science and Health
- Adelaide Health Technology Assessment (AHTA)

- Australian Institute of Machine Learning
- BetterStart—Child Health and Development Research Group
- Communities, People and Health Research Group
- Environment and Health Research Group
- Health Workforce Planning Group
- Health Evidence Synthesis, Recommendations and Impact
- JBI, formerly known as the Joanna Briggs Institute
- Life Course and Intergenerational Health Group
- Palliative Care Research Collaboration.

Wellbeing SA

- Women's and Children's Health Network
- Wardliparingga Aboriginal Research Unit
- South Australian Health and Medical Research Institute
- A range of community based or non-government organisations for health and wellbeing
- Northern Adelaide Local Health Network

## Public Health postgraduate coordinator

Associate Professor Jaklin Elliott  
E: jaklin.elliott@adelaide.edu.au

Dr Afzal Mahmood  
E: afzal.mahmood@adelaide.edu.au

## Industry and research partnerships

The school focuses on developing strong research partnerships and collaborative engagement with health services, state and federal government agencies, health industry and not-for-profit organisations. These include:

- Department of the Premier and Cabinet
- Child and Family Health Service
- SA Health/Government of South Australia
- Department for Child Protection
- Preventive Health SA, formerly



## The Joanna Briggs Institute:

Associate Professor Edoardo Aromataris  
E: ed.aromataris@adelaide.edu.au

To find a supervisor or learn more about this area of research, visit: [health.adelaide.edu.au/public-health](http://health.adelaide.edu.au/public-health)

## Further information or advice

School of Public Health  
Level 4, Rundle Mall Plaza  
The University of Adelaide  
SA 5005 Australia

E: sphadmin@adelaide.edu.au  
E: research\_degrees@ask.adelaide.edu.au  
W: [health.adelaide.edu.au/our-research](http://health.adelaide.edu.au/our-research)

**My PhD research blends public health and sustainability as I explore the potential to improve school children's dietary habits while impacting the environment positively by studying school lunchbox contents and packing practices. Choosing to research in public health was the best decision I made. There is so much scope to make small differences that can have meaningful impacts."**

## Neha Lalchandani

PhD (Public Health)

## Supervisor spotlight



## Dr Rhiannon Pilkington

Postdoctoral Fellow, BetterStart Child Health and Development Research group

## Fields of research

- Child and adolescent health and wellbeing
- Child protection and youth justice
- Intervention effectiveness

## Why should students study with the University of Adelaide?

Students who undertake study in the School of Public Health are trained by world class researchers in an environment that fosters lifelong learning. Research training focuses on skill and knowledge development specifically designed to support diverse career goals spanning academia, government, and industry. Students enjoy and benefit from a vibrant and supportive peer community.

## Why research child health and protection justice at Adelaide?

The BetterStart research group undertakes policy relevant research in close collaboration with government and non-government agencies. We are an interdisciplinary group united in our aim to generate better evidence that supports improving outcomes for disadvantaged populations. The foundation of much of our research is the Better Evidence Better Outcomes Linked Data (BEBOLD) platform which includes over half a million children born from 1991 onwards with data spanning health, education, child protection, justice and welfare services. We have active research programs spanning health, wellbeing, child protection, justice, intergenerational disadvantage and

intervention effectiveness and are experts in advanced epidemiological methods, data analytics and translational research.

## Projects students may be interested in

- Poverty and child maltreatment.
- Pathways through youth and adult justice systems.
- Health needs of children and young people in out-of-home care.
- Causes and consequences of poor development and wellbeing.

## Recent publications

Goddard, J., Montgomerie, A., Gialamas, A., Haag, D., Anderson, J., & Lynch, J. (2023). Excess hospital burden amongst young people in contact with homelessness services in South Australia - a prospective linked data study. *Journal of Adolescent Health*, 73(3), 519-526.

Judd J., Pilkington R., Malvaso C., Procter A., Montgomerie A., Anderson J., Jureidini J., Petersen J., Lynch J. (2023) Mental health-related hospitalisations among adolescents with previous child protection contact from birth to age 11. medRxiv; doi: <https://doi.org/10.1101/2023.09.19.23295224>.

Abdul Rahim, R., Pilkington, R., Procter, A. M., Montgomerie, A., Mittinty, M. N., D'Onise, K., & Lynch, J. (2023). Child protection contact among children of culturally and linguistically diverse backgrounds: A South Australian linked data study. *Journal of Paediatrics and Child Health*, 59(4), 644-652.

Malvaso, C., Magann, M., Ribeiro Santiago, P. H., Montgomerie, A., Delfabbro, P., Day, A., . . . Lynch, J. (2023). Early versus late contact with the youth justice system: opportunities for prevention and diversion. *Current Issues in Criminal Justice*, 1-26.

Pilkington R, Montgomerie A, Grant J, Gialamas A, Malvaso C, Smithers L, Chittleborough C, Lynch J. 2019. 'An innovative linked data platform to improve the wellbeing of children - the South Australian Early Childhood Data Project' in Australian Institute of Health and Welfare Australia's welfare 2019 data insights. Australia's welfare series no. 14. Cat. no. AUS 226. Canberra. Available [aihw.gov.au/reports/australias-welfare/australias-welfare-2019-data-insights/contents/table-of-contents](http://aihw.gov.au/reports/australias-welfare/australias-welfare-2019-data-insights/contents/table-of-contents)

# Faculty of Sciences, Engineering and Technology

The Faculty of Sciences, Engineering and Technology has an outstanding reputation for innovative, high-impact research across all disciplines.

From the application of artificial intelligence (AI), machine learning and image analysis tools to help specialists diagnose and monitor diseases to the development of sustainable food solutions, our world-leading researchers are applying their expertise to solve some of our world's most complex challenges.

Through fundamental, advanced and applied research, our faculty is solving real-world problems in collaboration with industry, government and the broader community. Our research positively impacts lives and influences policy. It seeks to positively transform the world around us. It broadens our understanding of the universe.

Our transdisciplinary approach to these challenges paves the way for fresh perspectives, enabling us to achieve faster and more impactful discoveries. We are combining cutting-edge technology with biology to pioneer advancements in

microscopy and microanalysis. In the field of space we are breaking new ground through collaborative efforts across civil, mechanical, and chemical engineering, as well as AI, machine learning, and agriculture. Our Andy Thomas Centre for Space Resources (ATCSR) is addressing challenges faced by long term planetary exploration, while our Australian Research Centre Plants for Space (P4S) is finding ways to provide the next generation of space explorers with nutritious foods, materials and medicines.

Our research is consistently ranked at, or well above, world standard and spans:

- agriculture, food and wine
- architecture and landscape architecture
- animal and veterinary sciences
- biological sciences
- chemical engineering, bioprocess engineering, materials engineering
- civil engineering, construction management and environmental engineering
- computer science and mathematical sciences
- electrical and mechanical engineering
- energy, resources and environment
- mining and petroleum engineering

- physics, chemistry and earth sciences
- space and defence
- smart technologies

## Our research centres and institutes

### Australian Institute for Machine Learning (AIML)

AIML is a world-leader in the application of machine learning methodologies and is the largest university-based machine learning research group in Australia. Machine learning underpins the business models of the largest corporations and has the potential to deliver massive, social, economic and environmental benefits.

AIML's research strengths lie in machine learning and the methods that support this: AI, computer vision and deep learning. Their research has enabled AI that helps to cure disease, grow drought-resistant crops, and count carbon in some of the world's most important landscapes.

### Environment Institute

The Environment Institute is driving environmental change throughout the world. It connects leading water, climate scientists and researchers with international collaborators and external stakeholders to address complex

environmental problems and export innovation round the globe.

Researchers provide new understandings and tools to better monitor and manage biodiversity, invasive species and ecosystems; while our palaeontologists and evolutionary biologists learn from the past to better manage the future world.

### Institute for Sustainability, Energy and Resources (ISER)

ISER operates in the sustainability, energy and resources sectors, showcasing the University of Adelaide's finest talent in large-scale research and industry innovation.

An important ongoing focus is developing the energy systems needed for decarbonisation and the transition to a net-zero emissions energy future, working closely with industry and government partners. ISER pursues cutting-edge sustainability and modern energy system projects, to create a vision for a more sustainable world. We collaborate across the globe to make this vision a reality.

### Institute for Photonics and Advanced Sensing (IPAS)

IPAS is a global hub of photonics research, creating transformational approaches to sensing and

transdisciplinary problem-solving. Many of the challenges we face as a society can only be solved by pursuing a transdisciplinary approach to science.

IPAS has been created to bring together experimental physicists, chemists, material scientists, and biologists, experimentally driven theoretical scientists and medical researchers to create new sensing and measurement technologies.

### Waite Research Institute (WRI)

The WRI stimulates and supports research and innovation across the University of Adelaide and its partners to build capacity for Australia's agriculture, food and wine sectors.

The WRI's broad vision is to drive the innovation to secure a sustainable future for agriculture—by creating high-quality, nutritious and climate resilient products. We do this not in isolation, but in close partnership with the agriculture, food and wine sectors. In a climate of limited natural resources, higher energy costs, and increasing urbanisation and environmental degradation, the WRI's work in supporting global food security and agricultural sustainability is critically important.

## Research centres

The University of Adelaide is also home to a number of research centres, including the Andy Thomas Centre for Space Resources (ATCSR), Australian Research Centres of Excellence in Plants for Space (P4S), Biodiversity and Heritage, Dark Matter Particle Physics and Mathematical and Statistical Frontiers.

We also participate in several Australian Government-funded Cooperative Research Centres (CRCs), including a leading role in the Cyber Security CRC, and we lead the ARC Research Hub for Graphene Enabled Industry Transformation and Fight Food Waste CRC.

## Industry links

Studying right in the heart of Adelaide's innovation and technology precinct, our students deliver real commercial outcomes through their collaborations and connection with a vast network of talented researchers and peers. This includes access to co-located industry partners, high-quality research facilities, specialist laboratories and expertise.

This close proximity to industry and current research offers a unique opportunity for our students to gain practical and theoretical knowledge through collaboration on dynamic national and global research projects.

# Agriculture, Food and Wine



A key part of the largest agricultural research precinct in the Southern Hemisphere.



Access to cutting-edge research facilities and resources.



Ranked #72 globally for Agriculture and Forestry\*.

The School of Agriculture, Food and Wine has an outstanding reputation for research, with particular strengths in: systems; food and nutrition (both national and international); food and nutrition, plant biology, plant breeding and genetics; plant phenotyping (controlled environment and field), soil science; viticulture and horticulture, wine science.

Based primarily at the Waite campus, the school is co-located with the largest concentration of agricultural research expertise in the Southern Hemisphere.

Through acclaimed research, teaching expertise and world-class facilities, the school plays a key role in advancing agriculture's rapid growth in the Australian and global economy.

Our global student cohort learn skills that will help solve issues of food security, food supply, and other critical issues facing the world today. The University of Adelaide is also the lead university for the ARC Centre for Excellence in Plants for Space, which is on a mission to re-imagine plant design and bioresource production through the lens of space to enable off-earth habitation.

Our research and research training is delivering the skilled practical graduates that industry needs, whether they be agronomists, farmers, plant breeders, food technologists, researchers or winemakers of the future, as examples.

\*\* QS World University Rankings by Subject, 2023.

## Industry and research partnerships

The school's research builds on a rich network of collaborations arising from the close co-location of several complementary organisations. This facilitates: co-supervision and industry placements for postgraduate students; joint applications demonstrating critical mass for funding of step-change agricultural research programs; and recruitment of promising graduates to work in industry related programs.

A great example is the Wine Innovation Cluster (WIC), based at Waite, which aims to boost the competitiveness, quality and sustainability of the Australian wine industry through world-class, collaborative, multidisciplinary research and development across the wine value chain.

## Research institute

- Waite Research Institute [adelaide.edu.au/wri](http://adelaide.edu.au/wri)

## Research centres

- The University of Adelaide and Shanghai Jiao Tong University Joint Laboratory for Plant Sciences and Breeding [set.adelaide.edu.au/agriculture-food-wine/research/facilities/uoa-sjtu-joint-laboratory-for-plant-sciences-and-breeding](http://set.adelaide.edu.au/agriculture-food-wine/research/facilities/uoa-sjtu-joint-laboratory-for-plant-sciences-and-breeding)
- Fertiliser Technology Research Centre (FTRC) [set.adelaide.edu.au/fertiliser](http://set.adelaide.edu.au/fertiliser)
- ARC Training Centre for Innovative Wine Production [arcwinecentre.org.au](http://arcwinecentre.org.au)
- ARC Centre of Excellence in Plants for Space (P4S) [plants4space.com](http://plants4space.com)
- Adelaide Analytical [set.adelaide.edu.au/agriculture-food-wine/research/facilities/adelaide-analytical](http://set.adelaide.edu.au/agriculture-food-wine/research/facilities/adelaide-analytical)
- International Flavour Laboratory
- ARC Research Hub for Graphene Enabled Industry Transformation [arcgrapheneresearchhub.com.au](http://arcgrapheneresearchhub.com.au)

## Research areas

School of Agriculture, Food and Wine staff are active across a broad range of fundamental and applied research areas addressing key issues. These areas include:

- farming, soil and land systems
- plant breeding, genetics and physiology
- food and nutrition
- horticulture and plant protection
- viticulture and wine science
- space agriculture.

To find a supervisor, submit a research proposal or learn more about the University's science research, please visit: [set.adelaide.edu.au/our-research](http://set.adelaide.edu.au/our-research)



Being involved with wine research at the University of Adelaide's Waite campus was an amazing experience. The friendly guidance from the supervisors and resources available to conduct research, has enabled me, not only to gain my PhD with outstanding results, but also to build a portfolio of professional skills."

**Ruchira Ranaweera**

PhD. School of Agriculture, Food and Wine.

## Postgraduate research contacts

The following School staff can be contacted to assist in postgraduate research matters:

Associate Professor Matthew Denton  
E: [matthew.denton@adelaide.edu.au](mailto:matthew.denton@adelaide.edu.au)

Associate Professor Chris Ford  
E: [christopher.ford@adelaide.edu.au](mailto:christopher.ford@adelaide.edu.au)

## Further information or advice

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Waite campus, The University of Adelaide  
PMB 1, Glen Osmond SA 5064, Australia

T: +61 8 8313 6713

E: [afw@adelaide.edu.au](mailto:afw@adelaide.edu.au)

W: [agwine.adelaide.edu.au](http://agwine.adelaide.edu.au)

## Supervisor spotlight



## Dr Ehsan Tavakkoli

Senior Mortlock Fellow, School of Agriculture, Food and Wine

### Fields of research

- Soil ecology
- Climate adaptation
- Crop nutrition

## Why should students study with the University of Adelaide?

The University of Adelaide is a leader in research, providing students with opportunities to work alongside world-renowned experts in various fields. Students can engage in real-world projects and gain valuable industry experience. The university's international outlook provides students with opportunities for global experiences, such as exchange programs and internships, to broaden their horizons.

## Why research Agriculture, Food and Wine at Adelaide?

Soil as a resource provides 98.8% of all human food. With the human population growing rapidly, food security remains one of the greatest challenges faced by society. To meet this expected demand, it is estimated that productivity of existing agricultural land must double by 2050. Research in this field is critical to developing strategies to mitigate and adapt to climate change, which will ensure the resilience of agriculture and food systems.

## Projects students may be interested in

- Engineering the rhizosphere: a new paradigm to optimise crop yield and soil carbon storage.
- Overcoming multiple soil constraints to increase farmer profitability.
- Enhancing soil carbon storage through innovative amendments.

## Recent publications

Weng H, Van Zwieten L, Tavakkoli E, Rose M, Singh BP, Joseph J, Macdonald L, Kimber S, Morris S, Rose T, Archanjo B, Tang C, Franks A, Diao H, Schweizer H, Tobin M, Vongsvivut J, Klein A, Chang S, Kopittke P, Cowie A (2022) Microspectroscopic visualization of how biochar

lifts the soil organic carbon ceiling. *Nature Communications*.13, 1-12

Fang Y, Tavakkoli E, Weng Z, Collins D, Harvey D, Karimian N, Luo Y, Mehra P, Rose T, Wilhelm N, Van Zwieten L (2022) Disentangling carbon stabilization in a Calcisol subsoil amended with iron oxyhydroxides: A dual-13C isotope approach. *Soil Biology and Biochemistry*. 170, 108711

Karimian, N, Johnston, S, Tavakkoli E, Frierdich A, Burton E (2023) Mechanisms of Arsenic and Antimony Co-sorption onto Jarosite: An X-ray Absorption Spectroscopic Study. *Environmental science & technology*. 57, 4813-4820.

Zhang S, Fang Y, Kawasaki A, Tavakkoli E, Cai Y, Wang H, Ge T, Zhou J, Yu B, Li Y (2023) Biochar significantly reduced nutrient-induced positive priming in a subtropical forest soil. *Biology and Fertility of Soils*. 56: 1-19.

# Animal and Veterinary Sciences



Ranked in top-70 globally for animal and veterinary sciences<sup>^</sup>.



Co-located partners provide real-world research and clinical opportunities.



Affordable, on-campus student accommodation.

The School of Animal and Veterinary Sciences is based at the internationally recognised Roseworthy campus, and has earned a five-star Excellence in Research for Australia ranking for veterinary sciences.\*

Our far reaching, world-class research transforms the health and wellbeing of people, livestock, companion animals and wildlife and contributes to healthy ecosystems. The school is also home to South Australia's only veterinary school, including its AUD \$37 million state-of-the-art veterinary hospital and AUD \$10 million equine health centre.

The campus is a vibrant and exciting centre for teaching, postgraduate training and clinical services. With well-established links to many national and international partner organisations and relevant industries, we provide world-class, outcome-based education and training to future animal and veterinary scientists.

Our graduates work all around the world in animal, veterinary and allied industries, government and corporate organisations, or in their own businesses. Graduates can work in the biosecurity field to protect society from the incursion of exotic and emergent animal and zoonotic diseases, in the food production industry to support food security through sustainable animal production and food safety or they can work to support the conservation of biodiversity.

## Industry and research partnerships

The School of Animal and Veterinary Sciences partners with a wide range of industry, research and clinical organisations. These partnerships help students gain industry knowledge and experience, and will assist in developing professional networks and contacts within their areas of chosen specialisation.

The school shares the Roseworthy campus with many partner and allied organisations, and is South Australia's premier research hub for animal and veterinary sciences.



**Through a PhD in ruminant nutrition and fetal programming, I get to experience components of a hardworking industry, while learning what makes it tick, and what can make it tick better. I have the opportunity to build relationships, develop collaborations and make an impact, all while supported within the scientific community."**

**Leesa-Joy Flanagan**

Higher Degree by Research Candidate,  
School of Animal and Veterinary Sciences

## Research centres

- Australian Centre for Antimicrobial Resistance Ecology (ACARE)  
[set.adelaide.edu.au/acare](http://set.adelaide.edu.au/acare)
- Davies Livestock Research Centre  
[set.adelaide.edu.au/davies-research-centre](http://set.adelaide.edu.au/davies-research-centre)

## Research areas

Our scientists work across the following multidisciplinary themes:

- Sustainable animal production
- Applied animal behaviour and welfare
- Translational clinical sciences
- Transformative education and wellbeing sciences
- One Health
  - Wildlife and conservation health
  - Dynamics of health and disease.

To find a supervisor, submit a research proposal or learn more about this area of research, please visit:

[set.adelaide.edu.au/our-research](http://set.adelaide.edu.au/our-research)

## Postgraduate research contact

Professor Gordon Howarth  
E: [gordon.howarth@adelaide.edu.au](mailto:gordon.howarth@adelaide.edu.au)

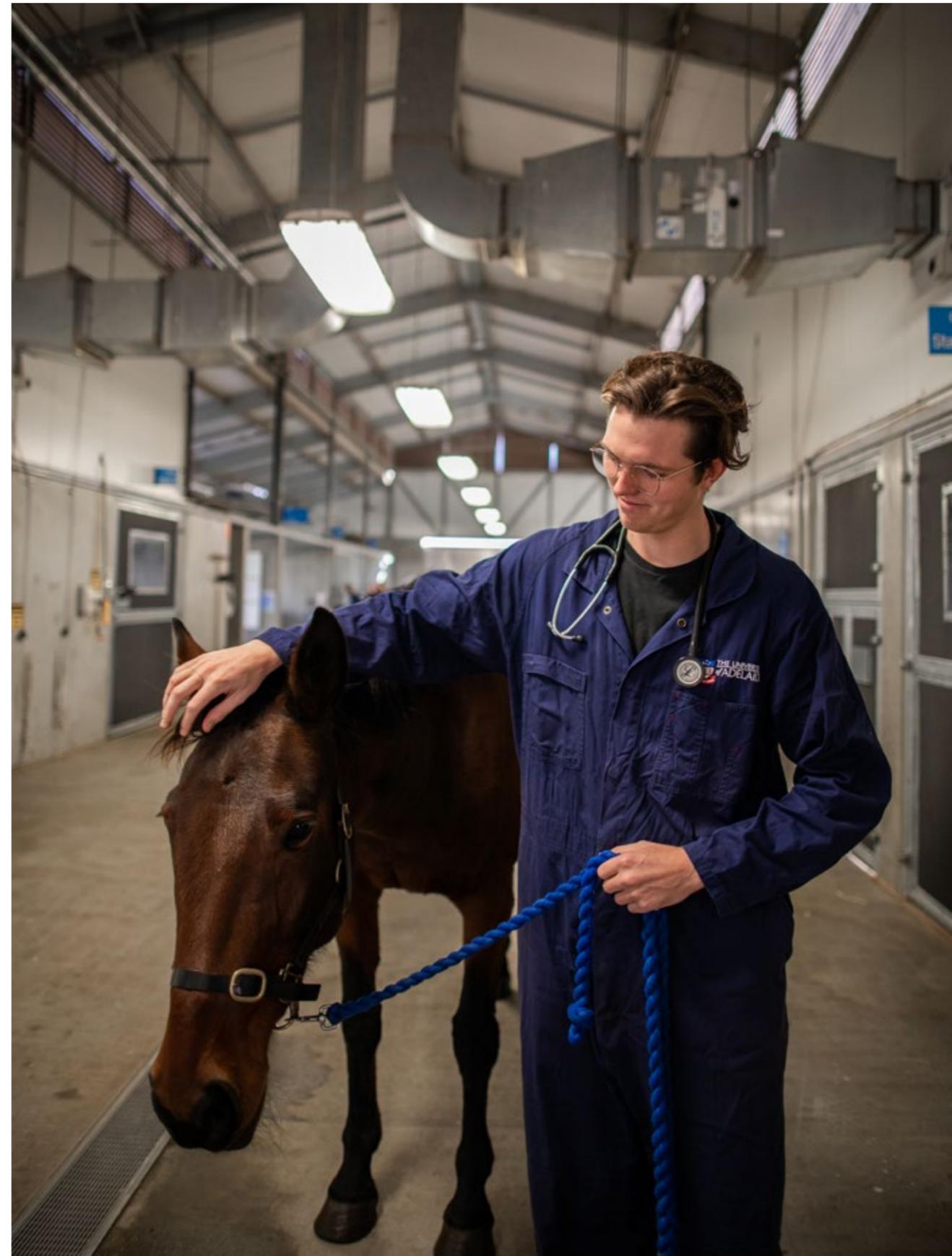
## Further information or advice

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T: +61 8 8313 7987  
E: [savs@adelaide.edu.au](mailto:savs@adelaide.edu.au)  
W: [set.adelaide.edu.au/animal-veterinary-sciences/research](http://set.adelaide.edu.au/animal-veterinary-sciences/research)

\* Excellence in Research for Australia 2018, Australian Research Council.

<sup>^</sup> QS World University Rankings by Subject, 2023.



# Architecture and Landscape Architecture



Highly qualified, nationally and internationally recognised staff.



Unique expertise in culture-focused design and sustainable built environment research.



Multidisciplinary school with research strengths in architecture, landscape architecture, urban design, green infrastructure, and sustainable construction.

The discipline of Architecture and Landscape Architecture has two major research streams: culture and creativity, and sustainability. It has a strong team of world-class researchers and specialises in delivering internationally recognised postgraduate study programs in architecture, landscape architecture, construction management, and property.

We are recognised for training graduates to the highest professional standards in an educational culture that prioritises creative, critical thinking, sophisticated computer aided-design, cross-cultural sensitivity and a commitment to sustainable design that begins with careful consideration of environment and place.

Our programs are professionally accredited by the Australian Institute of Architects, the Australian Institute of Landscape Architects, the Planning Institute of Australia, the Royal Institution of Chartered Surveyors and the Architectural Practice Board of South Australia.

## Industry and research partnerships

We have strong connections with the architecture, landscape architecture, and urban design professions. These links with industry begin in the studio to benefit all students and extend to the rich culture of exhibitions and internships.

The established roles of Industry Professors and close collaboration with representative institutes, as well as the Art Gallery of South Australia, the South Australian Museum and the office for Design and Architecture South Australia make us world leading in this area of study.

## Research centres and units

- Centre for Asian and Middle Eastern Architecture (CAMEA)
- Design Research Collective (DRC)
- Environment, Landscape and Building cluster
- China-Australia Sustainable Research Unit (CASRU)

## Research areas

Under two main research streams – culture and creativity, and sustainability – active researchers and supervisors offer a range of established and emerging topics of research covering four key sub-areas.

### Culture, history and theory

Researchers in this area explore a range of cultural, historical, and theoretical issues across the disciplines of architecture, construction, landscape, and urban design, including:

- migration and contemporary Australian architecture
- early modernity and urbanism in the Arab world
- cross-cultural perspectives on early modern material culture
- transitions to modernity in Asia and the Middle East
- Australian-Asian/Middle Eastern exchange in art, architecture, and urbanism



## Supervisor spotlight



### Associate Professor Katharine Bartsch

Discipline Lead for Architecture and Landscape Architecture

#### Fields of research

- Human mobility (migration, displacement, pilgrimage, diaspora) and the ways that this shapes architecture, landscapes and settlements, historically and today.
- A humanitarian focus on migration – rural/urban, displacement, resettlement (forced and voluntary) – and settlement in the context of large-scale infrastructure projects or urbanisation.

#### Awards

- Australian Government, Department of Foreign Affairs and Trade, New Colombo Plan Mobility Grant, Future Builders: Collaborative Design in the Yangtze Delta. \$66,000. Travelling in September 2024.
- Australian Research Council, Special Research Initiative. The Australian Mosque Today: Architectural

Collaborations, 2020-2023. \$280,000. Chief Investigator Dr Katharine Bartsch with Dr Md Mizanur Rashid (Deakin), A/Prof Maryam Gusheh (Monash), Dr Dijana Alic (UNSW) and Dr Majdi Faleh [Nottingham Trent University].

#### Why should students study with the University of Adelaide?

We have a dynamic team of academics from around the world – working in state-of-the-art innovation labs – who are passionate about the built environment and committed to delivering a positive student experience. We know our students, we nurture their abilities and we are focused on developing future leaders in the disciplines of Architecture and Landscape Architecture.

#### Why research Architecture and Landscape Architecture at Adelaide?

We explore the complex issues that society faces more broadly such as housing, humanitarian concerns and

environmental issues. Our research enables us to understand the big picture and to address challenges that span different scales and disciplines. As a result, our research teams can offer supervision on a wide range of topics. This breadth is enhanced by our nimble collaboration with supervisors from other disciplines to form the best supervision panel for each student. This guidance is complemented by our supportive, collegial research community.

#### Projects students may be interested in

- Migration and contemporary Australian architecture.
- Mitigation and adaptation to extreme weather conditions in the built environment.
- Colonial modernity and decolonisation in the design and construction of the Global South.
- Remote sensing, urban modelling and spatial data science.

#### Recent publications

- Bartsch, K., Rashid, M. M., & Scriver, P. (2023). The First Aussie Mosques: Mediating Boundaries despite the 'White Australia' Policy. In F. Karim, & P. Blessing (Eds.), *The Making of Modern Muslim Selves through Architecture*. Intellect.
- Ibrahim, A., Bartsch, K., & Sharifi, E. (2023). Overarching barriers to mainstream green stormwater infrastructure in Ghana: towards good green governance. *Environmental Science & Policy*, 147, 15-28.
- Ibrahim, A., Bartsch, K., & Sharifi, E. (2023). Waterways transformation and green stormwater infrastructure: enabling governance for Adelaide's River Torrens Catchment, Australia. *International Journal of Water Resources Development*, 24 pages.
- Wang, Y., Tang, Y., Zuo, J., & Bartsch, K. (2022). Exploring rumor combating behavior of social media on NIMBY conflict: Temporal modes, frameworks and strategies. *Environmental Impact Assessment Review*, 96, 1-12.

- architecture, construction and community-building in colonial and contemporary Australia
- colonial modernity and decolonisation in the design and construction of the Global South
- cross-cultural thinking in architecture
- art, religion, and the environment
- humanism, science, and sustainable futures

### Design research

The Design Research Collective (DRC) aims to develop a community of designers whose research not only raises the quality of debate around the built environment but also engages in its production. Activities include support for PhD by Design candidates, including the testing and dissemination of their work through the biannual DRC Colloquium.

DRC researchers are working on a range of design-focus research projects that include:

- epistemological processes of spatial thinking in practice
- design research pedagogy and methods
- designing for adaptive reuse

### Environment, landscape and building

Grounded in architectural science and interdisciplinary research, this focuses on advancing knowledge to plan,

design, operate, and manage our built environment. This ensures that not only will landscapes and buildings contribute positively to the environment, they will also improve the quality of life for children to grow well, for adults to work well, and for older people to age well. Examples of broad research topics include:

- mitigation and adaptation to extreme weather conditions in the building and urban scale and the city
- low to zero energy and carbon building design
- indoor and outdoor thermal comfort
- all-age friendly urban and building design
- remote sensing, urban modelling and spatial data science
- building and landscape performance simulation and building monitoring

### Sustainable construction

Researchers in this key area will work on gaining a better understanding of the drivers and mechanisms for achieving sustainable construction in Australia and overseas.

Examples of broad research topics include:

- resource efficiency and Construction & Demolition Waste management.
- green building rating tools and development.

- dynamic interaction between sustainability and other factors (e.g. health and safety) in building and infrastructure projects
- sustainable/low carbon cities
- sustainability and competitiveness
- stakeholder engagement in the sustainable built environment
- risk management in low carbon developments
- sustainability disclosure
- social acceptance of technological innovations

### Postgraduate coordinator

Dr Ehsan Sharifi  
E: [ehsan.sharifi@adelaide.edu.au](mailto:ehsan.sharifi@adelaide.edu.au)

### Further information or advice

School of Architecture and Civil Engineering  
Horace Lamb Building (For Architecture and Landscape Architecture, Construction Management only)  
North Terrace campus  
The University of Adelaide  
SA 5005 Australia  
T: +61 8 8313 5836  
W: [set.adelaide.edu.au/architecture-and-civil-engineering](http://set.adelaide.edu.au/architecture-and-civil-engineering)

“

I can confidently say that the School of Architecture and Civil Engineering is outstanding in providing conducive teaching and research environments to PhD students. I was supported with excellent and friendly supervisors. Due to their exceptional guidance, I am now seen as an expert in my chosen research topic.”

**Alhassan Ibrahim**

PhD, School of Architecture and Civil Engineering



# Biological Sciences



Large and vibrant postgraduate group, supported by world-class research leaders.



Cutting-edge research laboratories and facilities, and extensive network of resources.



Sustained research excellence and funding.

The School of Biological Sciences brings together the internationally acclaimed and contemporary disciplines of molecular and cellular biology, and ecology and environmental sciences. We are ranked in the top 125 in the world, and best in South Australia for biological sciences\*.

We host a large, vibrant group of postgraduate students, and prepare them for an exciting and diverse range of careers. Our world-class scientists work with a wide range of experimental and natural systems to deliver impact for biological, environmental and health outcomes, attracting more than AUD \$13 million in research funding annually.

We have extensive networks with government agencies and industry organisations to ensure our research has both national relevance and global impact.

\* *Times Higher Education, Biological Sciences 2024.*

## Industry and research partnerships

The School of Biological Sciences has an extensive partnership network of government, non-government, and private sector organisations, from small start-ups to large multinational pharmaceutical companies.

Utilising a multidisciplinary approach, the school's research delivers the knowledge, understanding and technologies needed by end-users in the biomedical, biological and environmental sectors.

## Research institutes

- Environment Institute [adelaide.edu.au/environment](http://adelaide.edu.au/environment)

## Research centres

- Australia's Terrestrial Ecosystem Research Network (TERN) [tern.org.au](http://tern.org.au)
- Australian Centre for Ancient DNA [adelaide.edu.au/acad](http://adelaide.edu.au/acad)

- Australia-China Joint Research Centre of Grains for Health [adelaide.edu.au/accgh](http://adelaide.edu.au/accgh)
- Research Centre for Infectious Diseases [set.adelaide.edu.au/research-centre-for-infectious-diseases](http://set.adelaide.edu.au/research-centre-for-infectious-diseases)
- Centre of Light for Life [adelaide.edu.au/centre-of-light-for-life](http://adelaide.edu.au/centre-of-light-for-life)

## Research facilities

- Adelaide Proteomics Centre [set.adelaide.edu.au/our-research/facilities-services/adelaide-proteomics-centre](http://set.adelaide.edu.au/our-research/facilities-services/adelaide-proteomics-centre)
- Unmanned Research Aircraft Facility (URAF) [adelaide.edu.au/environment/uraf](http://adelaide.edu.au/environment/uraf)

## Research areas

Our school's research spans two broad areas. These are:

- developing biomedical approaches for major health conditions, such as cancer, neurological disorders, genetic, bacterial and viral diseases

- understanding the past, present and future for plants, animals and ecosystems to better manage marine, freshwater, and terrestrial environments.

## Postgraduate research contacts

The following School staff can be contacted to assist in postgraduate research matters.

Associate Professor Keith Shearwin  
E: [keith.shearwin@adelaide.edu.au](mailto:keith.shearwin@adelaide.edu.au)



I have had an opportunity to learn new advanced molecular biology techniques, including Seahorse metabolic analysis and CRISPR/Cas9 genome editing. Undertaking a Higher Degree by Research at the University of Adelaide has helped develop my skills both as a scientist and a teacher, and prepared me for my future academic and research career back home."

**Thaksaon Kittipassorn**

MD Bachelor of Science (Honours) PhD candidate

## Further information or advice

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North Terrace campus  
The University of Adelaide  
SA 5005 Australia

T: +61 8 8313 5352  
E: [sbs@adelaide.edu.au](mailto:sbs@adelaide.edu.au)  
W: [set.adelaide.edu.au/biological-sciences](http://set.adelaide.edu.au/biological-sciences)

## Supervisor spotlight



**Associate Professor Dan Peet**

## Fields of research

- Cellular oxygen sensing
- Hypoxic gene regulation
- Retinal metabolism

## Why students should study with University of Adelaide?

The University of Adelaide has an international reputation for high quality research across a broad range of areas. We have state of the art facilities, a great collegial atmosphere, and strong collaborations nationally and internationally.

Many of our graduates can be found working in laboratories around the world. Adelaide is also a great city to live in, being small, very friendly and more affordable.

## Why research hypoxic signaling at the University of Adelaide?

It's a very exciting and relevant area of research. We have been successfully researching oxygen sensing and gene regulation for more than 20 years at the University of Adelaide, including collaborating with laboratories working in directly related areas.

The research breadth spans from in vitro assays with purified proteins through to in vivo experiments. Our research is routinely published in high impact international peer-reviewed journals and our graduates have taken up research positions in high profile research institutes in the USA, Europe and around the world.

## Projects students may be interested in

- How the oxygen sensor FIH controls metabolism
- The role of the HIF transcription factors in Multiple Myeloma
- Regulation of cancer-like metabolism in the retina

## Recent publications

Bersten, D. C., Sullivan, A. E., McDougal, D., Breen, J., Fitzsimmons, R. L., Muscat, G. E. O., . . . Whitelaw, M. L. (2022). Core and Flanking bHLH-PAS:DNA interactions mediate specificity and drive obesity.  
Button, E. L., Rossi, J. J., McDougal, D. P., Bruning, J. B., Peet, D., Bersten, D., . . . Whitelaw, M. (2022). Characterization of functionally deficient SIM2 variants found in patients with neurological phenotypes. *The Biochemical journal*, 479(13), 1441-1454.

Rossi, J. J., Rosenfeld, J. A., Chan, K. M., Streff, H., Nankivell, V., Peet, D. J., . . . Bersten, D. C. (2021). Molecular characterisation of rare loss-of-function NPAS3 and NPAS4 variants identified in individuals with neurodevelopmental disorders. *Sci Rep*, 11(1), 1-11.

Newman, M., Moussavi Nik, S. H., Sutherland, G. T., Hin, N., Kim, W. S., Halliday, G. M., . . . Lardelli, M. (2020). Accelerated loss of hypoxia response in zebrafish with familial Alzheimer's disease-like mutation of Presenilin 1. *Human Molecular Genetics*, 29(14), 2379-2394.

Haydinger, C. D., Kittipassorn, T., & Peet, D. J. (2020). Power to see-drivers of aerobic glycolysis in the mammalian retina: a review. *Clinical and Experimental Ophthalmology*, 48(8), 1057-1071.

Rodriguez, J., Haydinger, C. D., Peet, D. J., Nguyen, L., & von Kriegsheim, A. (2020). Asparagine hydroxylation is a reversible post-translational modification. *Mol Cell Proteomics*, 19(11), 1777-1789.

# Chemical Engineering, Bioprocess Engineering, and Materials Engineering



Conduct cutting-edge research into the most significant challenges facing humanity.



Produce real commercial outcomes through industry collaboration.



Work with leading researchers nationally and internationally.

The School of Chemical Engineering boasts a vibrant and dynamic research team that undertakes cutting-edge research on challenging global issues, including clean energy and resources, pharmaceuticals, water, food and sustainability.

The school currently hosts more than 100 higher-degree researchers in the disciplines of: bioprocess engineering, chemical engineering, materials engineering and mining and petroleum engineering.

The school's research is supported by state-of-the-art laboratories and analytical equipment—including operando, non-intrusive laser characterisation technologies, batteries manufacturing and high-performance computing facilities.

## Industry and research partnerships

The school has established strong links with key industries through a range of research funds and research projects.

These include: Silanna Semiconductors; BHP; SA Water; Santos; Aramco; Chevron; Department for Energy and Mining (EDM); BioCina; Coopers Brewery; Defence Science and Technology Group (DSTG); Orica.

## Research institute

- Institute for Sustainability, Energy and Resources [adelaide.edu.au/iser](http://adelaide.edu.au/iser)

such as the library with access to academic journals and research databases and its own research technology support.

The Phoenix High Performance Computing (HPC) service is most appealing to computational-related research, which allows access to large clusters of CPUs and GPUs for solving problems that require large-scale computation.

## Why research Chemical Engineering Bioprocess Engineering, and Materials Engineering at Adelaide?

Australia has a natural endowment of sunshine and prevailing wind. It is now standing at the forefront of transitioning to renewable energy supported economy. South Australia is currently leading the country with more than half of the electricity generated from renewable energy. In

## Research centres

- Centre for Materials in Energy and Catalysis [ecms.adelaide.edu.au/cmec](http://ecms.adelaide.edu.au/cmec)
- Graphene Enabled Industry Transformation Hub [arcgrapheneresearchhub.com.au](http://arcgrapheneresearchhub.com.au)
- CRC Research Hub for Australian Copper-Uranium [adelaide.edu.au/copper-uranium-research](http://adelaide.edu.au/copper-uranium-research)
- Centre for Energy Technology [adelaide.edu.au/cet](http://adelaide.edu.au/cet)

## Research areas

The School of Chemical Engineering has developed strong industry-oriented research capabilities. It focuses on developing innovative engineering processes and novel technologies with applications in a range of key areas. Our inter-disciplinary approach to research leads to ground-breaking advancements in:

- energy systems for carbon capture, hydrogen production and storage.
- resource recovery, minerals exploration and extraction including the development of less energy-intensive extraction and processing techniques.

- next-generation batteries and energy storage systems.
- quantum communications and sensing.
- superconductors and semiconductors.
- novel vaccines and cancer treatments.
- engineering of proteins and biomolecules for biotechnology and agriculture.
- smart brewing and food technology.

## Postgraduate coordinator

Associate Professor Abel Santos  
E: [abel.santos@adelaide.edu.au](mailto:abel.santos@adelaide.edu.au)

Associate Professor Yao Zheng  
E: [yao.zheng01@adelaide.edu.au](mailto:yao.zheng01@adelaide.edu.au)

To find a supervisor, or learn more about our research, visit: [set.adelaide.edu.au/chemical-engineering/our-research](http://set.adelaide.edu.au/chemical-engineering/our-research)

as input, better catalyst materials that can produce and utilise clean fuels that do not pollute our planet will be synthesized.

## Projects students may be interested in

- Electrochemical Energy Conversion Reactions by Operando Computation
- Design of Electrocatalysts for solar fuel production by Molecular Modelling
- Semiconductor Based Materials for Clean Energy Conversion

## Recent publications

Li, H., Jiao, Y., Davey, K., & Qiao, S. (2023). Data-driven Machine Learning for Understanding Surface Structures of Heterogeneous Catalysts. *Angewandte Chemie International Edition*, 62(9), e202216383-1-e202216383-13.

Jiao, Y., Li, H., Jiao, Y., & Qiao, S. (2023). Activity and Selectivity Roadmap for C-N Electro-



The University of Adelaide offers great facilities for research and I can always receive support from the school and the teachers to expand my skills."

## Sija Fu

Higher Degree by Research Candidate,  
School of Chemical Engineering

## Further information or advice

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W: [set.adelaide.edu.au/chemical-engineering](http://set.adelaide.edu.au/chemical-engineering)

## Supervisor spotlight

## Associate Professor Yan Jiao

ARC Fellow, Deputy Head of School of Chemical Engineering

## Fields of research

- Molecular Modelling
- The Development of Computational Electrochemistry
- The Design of Energy Materials by Computation Methods

## Awards

- 2019-2021 Highly Cited Researcher (Chemistry) by Clarivate Analytics
- 2021 Women of the Year Finalist, The Advertiser-Sunday Mail
- 2020 Young Tall Poppy Science Award

## Why should students study with the University of Adelaide?

The University of Adelaide is ranked in the top 1% of universities worldwide, and it is also recognised as one of Australia's most respected research-intensive universities. Over 400 undergraduate and postgraduate coursework degrees, as well as postgraduate research degrees, are offered by the university, covering a wide range of academic fields. Moreover, the University of Adelaide provides various kinds of support to the researchers,

Coupling on MXenes. *J Am Chem Soc*, 145(28), 15572-15580.

Li, X., Li, H., Zhang, Z., Shi, J. Q., Jiao, Y., & Qiao, S. Z. (2023). Active-learning accelerated computational screening of A<sub>2</sub>/B@NG catalysts for CO<sub>2</sub>/inf> electrochemical reduction. *Nano Energy*, 115, 108695.

Jiao, Y., & Zheng, Y. (2023). Boosting Alkaline Hydrogen Evolution Reaction through Water Structure Manipulation. *Angewandte Chemie*, 135(34).

Hao, J., Yuan, L., Zhu, Y., Bai, X., Ye, C., Jiao, Y., & Qiao, S. (2023). Low-cost and Non-flammable Eutectic Electrolytes for Advanced Zn-I2 Batteries. *Angewandte Chemie (International ed. in English)*, 62(39), 1-9.

Hao, J., Yuan, L., Zhu, Y., Bai, X., Ye, C., Jiao, Y., & Qiao, S. (2023). Low cost and Non flammable Eutectic Electrolytes for Advanced Zn I<sub>2</sub>/sub> Batteries. *Angewandte Chemie*, 135(39).

# Civil Engineering, Construction Management and Environmental Engineering



Ranked top-100 globally for civil engineering\*



Home to world-class researchers, with research considered 'well above world standard'^.



State-of-the-art research facilities capable of supporting cutting-edge fundamental and industrial research.

Delivering award-winning and world-leading research, the School of Architecture and Civil Engineering offers postgraduate students exceptional opportunities to conduct fundamental and industry-relevant research in the disciplines of Civil Engineering, Construction Management, and Environmental Engineering. This includes in a wide range of areas surrounding the design, construction, maintenance and environmental sustainability of civil infrastructure, and the extraction of resources to build such infrastructure.

\* QS World University Rankings by Subject, 2023.

^ Excellence in Research Australia, 2018-19.

## Research areas

The School of Architecture and Civil Engineering is where human-centred, sustainable futures are designed and research that delivers societal and commercial benefits are engineered.

Within Civil Engineering, research covers three key areas:

- **Structural engineering and materials** – experimental and numerical research on structural materials, mechanics, analysis and design of engineering structural systems. Our research seeks to address global challenges including climate change, through the development and translation of new green and high performance materials and the use of novel systems such as fibre-reinforced polymer (FRP) composites to strengthen and

rehabilitate existing structures. We collaborate closely with industry and advise the government on Australian standards for structural engineering. We also research in the emerging field of off-earth (extra-terrestrial) construction.

- **Geotechnical engineering** – design of infrastructure projects with key industry partners. Research centres around the behaviour of soil and rock, the use of advanced numerical modelling techniques, the development of new foundation and slope stabilisation methods, and lunar geotechnical engineering.
- **Water engineering** – supporting the sustainable planning, design, operation and management of Australia's water infrastructure and natural resources. We are internationally recognised experts and leaders in Australia in relation to water infrastructure and natural resources management technologies including flood control.

Areas of research within the **Construction Management** discipline include:

- resource efficiency; construction and demolition waste management
- green building rating tools and development
- dynamic interaction between sustainability
- sustainable/low carbon cities; sustainability and competitiveness
- stakeholder engagement in the sustainable built environment
- risk management in low carbon developments
- sustainability disclosure
- social acceptance of technological innovations
- circular economy in construction

- smart construction e.g., Internet of Things sensors
- environmental excellence on construction sites
- renewable energy incorporated into the built environment
- lifecycle assessment of the built environment.

Within the discipline of **Environmental Engineering**, we are world-leading experts in managing complex systems, understanding the impacts of climate extremes, managing water and other critical resources. We are engaged in thought-provoking projects involving urban water, integrated river management, environmental protection, embedding the circular economy and 'end-of-life' into infrastructure planning and design.

To find a supervisor, submit a research proposal or learn more about these research areas, visit: [set.adelaide.edu.au/architecture-and-civil-engineering/our-research](https://set.adelaide.edu.au/architecture-and-civil-engineering/our-research)

## Industry and research partnerships

There has been active participation in developing research programs with various Cooperative Research Centres (CRCs) such as the Bushfire and Natural Hazards CRC, and the Future Batteries CRC.

External research engagement has been actively pursued, and with long-established research collaborations including the Bureau of Meteorology (BOM), Defence Science and Technology (DST) Group, South Australia (SA) Water, Department of Transport and Infrastructure, Broons, as well as state government and local councils.

The establishment of the Andy Thomas Centre for Space Resources (ATCSR) in 2019

has attracted several new Industry Partners who either committed to the activities of the Centre (Capra Robotics, Space Tango) or showed interest for commitment in the near future (Boeing, ispace).

From a civil engineering perspective, the ATCSR is undertaking projects related to off-earth construction and for the ability of structures to sustain human life, in topics areas such as materials and structures development, construction processes, and geotechnical engineering for site preparation.

## Research centres

- Andy Thomas Centre for Space Resources (ATCSR)  
[set.adelaide.edu.au/atcsr](https://set.adelaide.edu.au/atcsr)

## Postgraduate coordinator

### Civil Engineering and Environmental Engineering

Associate Professor Giang Nguyen  
E: [g.nguyen@adelaide.edu.au](mailto:g.nguyen@adelaide.edu.au)

### Construction Management

Professor Jian Zuo  
E: [jian.zuo@adelaide.edu.au](mailto:jian.zuo@adelaide.edu.au)

## Further information or advice

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## Supervisor spotlight



## Professor Jian Zuo

Professor in Sustainable Construction and Discipline Lead for Construction Management

### Fields of research

- Resource efficiency and construction-and-demolition waste management
- Smart and digital construction

### Why should students study with the University of Adelaide?

- Excellent studying environment
- Close collaboration with industry, hence internship and employment opportunities
- Well-designed curriculum

### Why research Architecture and Landscape Architecture at Adelaide?

- strong supervisor team
- close collaboration with industry
- strong focus on multi-disciplinary research

### Projects students may be interested in

- Use of advanced technologies to assist construction and demolition waste recycling and management
- Circularity evaluation at the building and community scale

- Use of digital construction to deal with emerging environmental and safety issues

### Recent publications

Li, H., Su, L., Zuo, J., An, X., Dong, G., Wang, L., & Zhang, C. (2023). The framework of data-driven and multi-criteria decision-making for detecting unbalanced bidding. *Engineering, Construction and Architectural Management*, 30(2), 598-622.

Sheng, X., Chen, L., Yuan, X., Tang, Y., Yuan, Q., Chen, R., . . . Liu, H. (2023). Green supply chain management for a more sustainable manufacturing industry in China: a critical review. *Environment, Development and Sustainability*, 25(2), 1151-1183.

Ding, Z., Wen, X., Zuo, J., & Chen, Y. (2023). Determinants of contractor's construction and demolition waste recycling intention in China: Integrating theory of planned behavior and norm activation model. *Waste Manag.*, 161, 213-224.

Tu, B., Pan, M., Zuo, J., Chang, R. D., J. Webber, R., Zou, Z., & Dong, N. (2023). Cost-benefit analysis of construction waste source reduction: a system dynamics approach. *Environmental Science and Pollution Research*, 30(1), 557-577.

Yuan, H., He, L., Wu, H., & Zuo, J. (2023). Differentiated subsidy mechanism for promoting construction and demolition waste recycling. *Journal of Cleaner Production*, 405, 10 pages.

# Computer Science



Highly qualified and experienced academic staff.



World-leading research supported by prestigious research grants and industry contracts.



National and international prizes awarded for research commercialisation.

The School of Computer and Mathematical Sciences undertakes a wide range of cutting-edge research activities, with highly qualified and experienced academic staff supervising a large number of master degree and PhD students. Our particular areas of research strength include:

- computer vision
- machine learning and artificial intelligence
- distributed and intelligent technologies
- optimisation and logistics
- internet of things
- software engineering
- learning analytics and learning technologies

The school has spawned the Australian Institute for Machine Learning (AIML), with support from the South Australian

Government, to further capitalise on our unique and world-class expertise in computer vision and machine learning.

We have close links with numerous local and international companies, and access to world-class computing facilities, including exclusive use of a dedicated deep-learning supercomputer.

## Industry and research partnerships

The school hosts a node of the ARC (Australian Research Council) Centre of Excellence in Robotic Vision—a \$25 million collaboration between four Australian universities, developing new generation perception for robots in unstructured environments. We also host a node of the Cooperative Research Centre in Cybersecurity, a \$140 million venture to strengthen Australia's cybersecurity capability. And the school collaborates on a variety of projects with local and international companies, such as: BAE systems; Google; LBT Innovations; Lockheed Martin; Boeing; and Schneider Electric.

## Research institutes

- Australian Institute for Machine Learning [adelaide.edu.au/aiml](http://adelaide.edu.au/aiml)

## Research areas

Computer Science staff are active researchers and supervisors in a variety of areas:

- Computer vision and robotics
- Machine learning and artificial intelligence
- Distributed and intelligent technologies
- Internet of Things and computer security
- Learning analytics and learning technologies
- Optimisation and logistics
- Software engineering

## Postgraduate coordinator

Associate Professor Qi Wu  
E: [qi.wu01@adelaide.edu.au](mailto:qi.wu01@adelaide.edu.au)

To find a supervisor, submit a research proposal or learn more about this area of research, visit: [set.adelaide.edu.au/computer-and-mathematical-sciences/research](http://set.adelaide.edu.au/computer-and-mathematical-sciences/research)

## Further information or advice

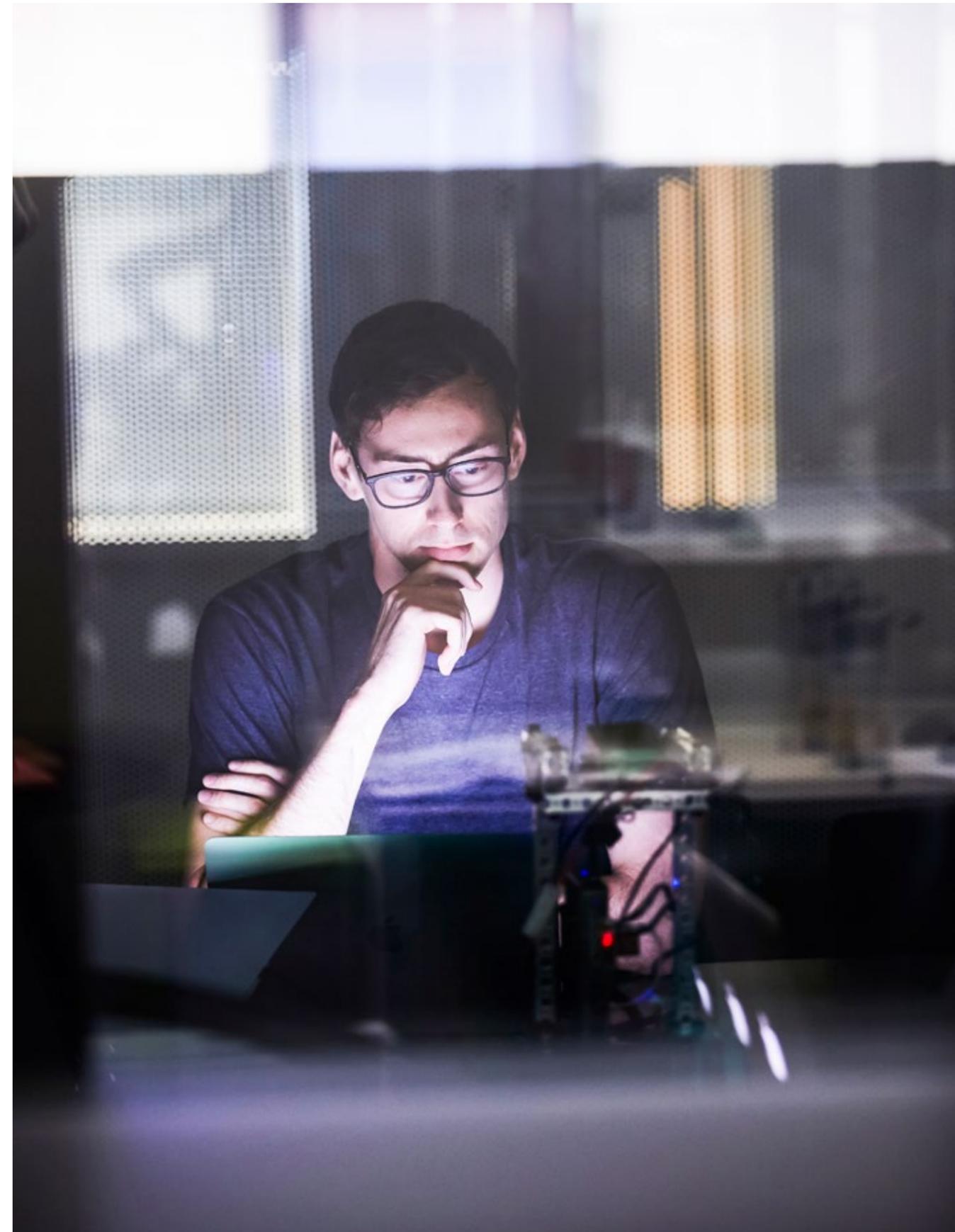
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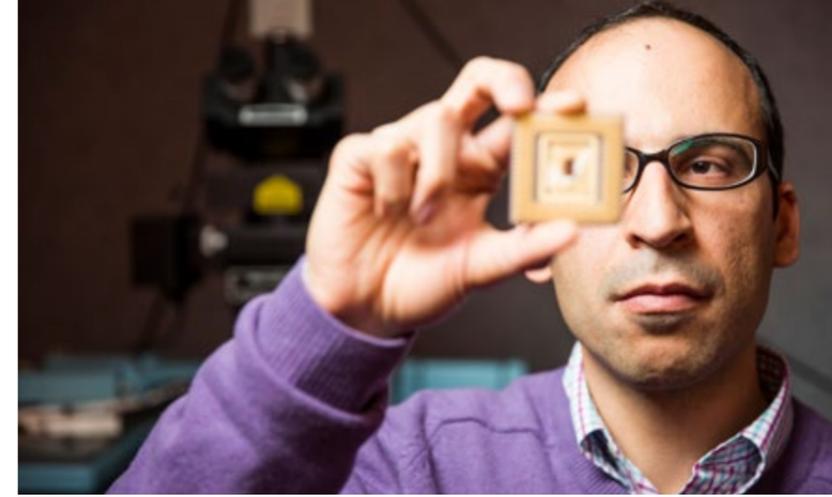
**“ Studying Computer Science has boosted my confidence and given me the skills and knowledge to pave way for an awesome and rewarding career”**

**Chieh-Ju Trinity Liao**

Bachelor of Computer Science (Advanced)



# Electrical and Electronic Engineering



Join a thriving, supportive and high-impact research community.



Academic staff who are world leaders in their disciplines.



More than 60 years of research excellence.

The Electrical and Electronic Engineering discipline has a strong research focus. We achieved the maximum research quality rating in the 2018 Excellence in Research for Australia (ERA) assessment, and are ranked 1 in Australia and 25 in the world in our field\*.

We are committed to solving real-world problems through fundamental and applied research. We have wide-spanning research expertise in the following areas:

- Materials, devices, nanoscale, and quantum engineering systems for generating, manipulating, and detecting electronic, photonic, and electromagnetic signals
- Sensor information processing, communication systems, control systems, autonomous systems, and artificial intelligence
- Implantable devices, digital systems, applied machine learning, the design of computer technology and the interaction between humans and computers

- Power systems, power electronics, electric machines, and renewable technologies for sustainability

We provide the highest quality PhD supervision and a supportive research environment, with strong linkages to local and international partners.

\* US News Rankings of Best Global Universities, Electrical and Electronic Engineering, 2023.

## Industry and research partnerships

With combined world-leading expertise in Electrical and Electronic Engineering and Biomedical Engineering, we partner with national and international government and businesses, communities, and research partners to solve real-world problems.

## Research institutes

- Environmental Institute [adelaide.edu.au/environment](http://adelaide.edu.au/environment)
- Robinson Research Institute [adelaide.edu.au/rrri](http://adelaide.edu.au/rrri)
- Institute of Photonics and Advanced Sensing (IPAS) [adelaide.edu.au/ipas](http://adelaide.edu.au/ipas)

## Research centres

- Centre for Energy Technology [adelaide.edu.au/cet](http://adelaide.edu.au/cet)
- Cyber Security CRC
- Centre for Biomedical Engineering [set.adelaide.edu.au/biomedical-engineering/](http://set.adelaide.edu.au/biomedical-engineering/)
- The Future Battery Industries CRC

## Research groups

Within the discipline of Electrical and Electronic Engineering, research groups include:

- applied electromagnetics
- biomedical engineering group
- electrical machines and drives
- electrical power systems
- medical signal and image processing
- systems and control.

## Postgraduate coordinator

Dr Withawat Withayachumnankul  
E: [withawat@adelaide.edu.au](mailto:withawat@adelaide.edu.au)

To find a supervisor, submit a research proposal or learn more about this area of research, visit: [set.adelaide.edu.au/electrical-mechanical-engineering/our-research](http://set.adelaide.edu.au/electrical-mechanical-engineering/our-research)

## Further information or advice

School of Electrical and Mechanical Engineering  
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W: [set.adelaide.edu.au/electrical-mechanical-engineering/](http://set.adelaide.edu.au/electrical-mechanical-engineering/)

## Supervisor spotlight

### Dr Jiawen Li

Senior Lecturer

#### Fields of research

- Medical Imaging
- BioPhotonics
- Fibre-optics

#### Awards

- MIT Technology Review Global Innovators Under 35 2023
- L'Oréal-UNESCO For Women in Science Fellowship 2021
- National Heart Foundation Paul Korner Innovation Award 2021
- University Award for Outstanding Achievement: Excellence in Research (early career) 2020

#### Why should students study with the University of Adelaide?

- The University of Adelaide is a Group of Eight University, and Electrical and Electronic Engineering ranked the 11th in the world (according to 2021 US News Global Ranking).
- Studying in one of the most liveable cities gives you a fantastic opportunity to have enjoyable and memorable time while making research breakthrough.
- Adelaide values science and research translation greatly, for example, new technologies developed at Uni (East End of North Terrace) are translated into deployable devices that can save lives in the BioMed City (including hospitals at West End of North Terrace).

#### Why research Electrical and Electronic Engineering at Adelaide?

The University of Adelaide is the headquarter of the national centre of excellence in BioPhotonics (Australian Research Council Centre for Nanoscale Biophotonics, CNBP) and has many world-leading researchers working in this area. A nurturing and supportive interdisciplinary research environment has been created here in Adelaide.

#### Projects students may be interested in

- Developing more accurate cardiovascular disease detection with a cellular-resolution imaging catheter
- Two-photon 3D printing of cellular-resolution imaging devices

- Serial imaging of molecular and micro-structural changes in atherosclerosis: tracking plaques towards destabilisation
- Automatic detection of high-risk plaques using machine learning algorithms

#### Recent publications

Li, J., Centurion, F., Chen, R., & Gu, Z. (2023). Intravascular Imaging of Atherosclerosis by Using Engineered Nanoparticles. *Biosensors*, 13(3), 319.

Gruda, Y., Albrecht, M., Buckova, M., Haim, D., Lauer, G., Koch, E., . . . Walther, J. (2023). Characteristics of Clinically Classified Oral Lichen Planus in Optical Coherence Tomography: A Descriptive Case-Series Study. *Diagnostics (Basel, Switzerland)*, 13(16), 2642-1-2642-19.

Walther, J., Golde, J., Albrecht, M., Quirk, B., Scolaro, L., Kirk, R., . . . McLaughlin, R. (2022). A handheld fiber-optic probe to enable optical

coherence tomography of oral soft tissue. *IEEE Transactions on Biomedical Engineering*, 69(7), 2276-2282.

Beaudette, K., Li, J., Lamarre, J., Majeau, L., & Boudoux, C. (2022). Double-clad fiber-based multifunctional biosensors and multimodal bioimaging systems: technology and applications. *Biosensors*, 12(2), 90-1-90-18.

Li, J., Thiele, S., Kirk, R. W., Quirk, B. C., Hoogendoorn, A., Chen, Y. C., . . . McLaughlin, R. A. (2022). 3D-printed micro lens-in-lens for in vivo multimodal microendoscopy. *Small*, 18(17), 2107032-1-2107032-8.

Carpenter, H. J., Ghayesh, M. H., Zander, A. C., Li, J., Di Giovanni, G., & Psaltis, P. J. (2022). Automated Coronary Optical Coherence Tomography Feature Extraction with Application to Three-Dimensional Reconstruction. *Tomography*, 8(3), 1307-1349.

# Mathematical Sciences



Producing research rated 'well above world standard' on the most recent national evaluation of research.\*



Benefit from our collaborative research partnerships with industry and government organisations.



Access high quality facilities, including one of the country's best supercomputers.

The School of Computer and Mathematical Sciences has a long history of achievement in research and postgraduate education, and a reputation for providing a stimulating and supportive environment. Recognised for excellence in both research and teaching across applied mathematics, pure mathematics and statistics, our staff are Australian leaders in postgraduate research training in these areas.

We're highly respected internationally for our research in: geometry and mathematical physics; statistics; operations research; stochastic modelling; theoretical fluid dynamics; computational methods; modelling of problems in biology, materials science, geophysics and more.

## Industry and research partnerships

The school's research partnerships notably include strong collaborative links with the Australian Wine Research Institute, the South Australian Health and Medical Research Institute, the Institute for Photonics and Advanced Sensing, the Australian Antarctic Division, the Australia-China Joint Research Centre on Wind and Wave Energy Harnessing and the Bureau of Meteorology, and CSIRO—providing the opportunity for students to work on projects at the interface of mathematics and the life and physical sciences.

Several of our academics hold prestigious Australian Research Council research fellowships and we are home to the Adelaide node of the Australian Centre of Excellence for Mathematical and Statistical Frontiers.

## Research areas

- Dynamics modelling and computation
- Pure mathematics
- Statistics
- Stochastic modelling and operations research

To find a supervisor, submit a research proposal or learn more about this area of research, visit: [set.adelaide.edu.au/computer-and-mathematical-sciences/research#mathematical-sciences](https://set.adelaide.edu.au/computer-and-mathematical-sciences/research#mathematical-sciences)

## Postgraduate coordinator

Associate Professor Benjamin Binder  
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## Further information or advice

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W: [set.adelaide.edu.au/computer-and-mathematical-sciences](https://set.adelaide.edu.au/computer-and-mathematical-sciences)

\* Excellence in Australian Research, 2018-19.



The School of Computer and Mathematical Sciences pushes students to excel and engage with opportunities to diversify their experience, cutting-edge research, and professionals in their field. Alongside my studies, I've been a part of some amazing student-led clubs and worked with leading researchers in my field from around the world."

## Bridget Smart

Higher Degree by Research Candidate, School of Computer and Mathematical Sciences

## Supervisor spotlight



## Dr Luke Bennetts

Australian Research Council Future Fellow and Associate Professor in Applied Mathematics

### Fields of research

- Antarctic marine science
- Offshore renewables
- Acoustic metamaterials

### Awards

- Alexander von Humboldt Foundation Experienced Research Fellow 2020
- Australian Mathematical Society Medal 2020
- Australian Mathematical Society Gavin Brown Best Paper Prize 2021

## Why should students study with the University of Adelaide?

We're consistently ranked in the top 150 universities in the world and rising, and are one of Australia's Group of 8 research-intensive universities.

We're situated in the heart of one the world's most beautiful and thriving cities, which is rated as Australia's most liveable city, and with easy access to the CBD, parklands and beaches.

## Why research Mathematics at Adelaide?

Applied mathematics at Adelaide has a long history of excellence in research, teaching and supervision.

We received the highest ranking of well above world standard in the most recent ARC Excellence in Research for Australia assessment.

We offer a range of research projects in developing advanced mathematical techniques to solve in important applied problems in the fields of, e.g., biology, microfluidics and earth science, and often in collaboration with industry and research organisations such as CSIRO, the Bureau of Meteorology and more.

## Projects students may be interested in

- Empowering next generation sea ice models with wave-ice mathematics
- Integrating rifts and swell in the mathematics of ice shelf disintegration
- Protecting coastlines while generating power
- Acoustic metamaterials for effective vibro-isolation

## Recent publications

Kong, J., Bennetts, L. G., Nugroho, B., & Chin, R. C. (2023). Systematic study of the Reynolds number and streamwise spacing effects in two-dimensional square-bar rough-wall turbulent boundary layers. *Physical Review Fluids*, 8(1), 31 pages.

Xu, Q., Li, Y., Bennetts, L. G., Wang, S., Zhang, L., Xu, H., & Narasimalu, S. (2023). Parametric analysis of a two-body floating-point absorber wave energy converter. *Physics of Fluids*, 35(9).

Chen, H., Xu, Q., Zheng, X., Bennetts, L. G., Xie, B., Lin, Z., . . . Li, Y. (2023). Viscous effects on the added mass and damping forces during free heave decay of a floating cylinder with a hemispherical bottom. *European Journal of Mechanics, B/Fluids*, 98, 8-20.

Passerotti, G., Bennetts, L. G., Polach, F. V. B. U., Alberello, A., Puolakka, O., Dolatshah, A., . . . Toffoli, A. (2022). Interactions between Irregular Wave Fields and Sea Ice: A Physical Model for Wave Attenuation and Ice Breakup in an Ice Tank. *Journal of Physical Oceanography*, 52(7), 1431-1446.

Bennetts, L. G., Bitz, C. M., Feltham, D. L., Kohout, A. L., & Meylan, M. H. (2022). Marginal ice zone dynamics: future research perspectives and pathways. *Philosophical transactions. Series A, Mathematical, physical, and engineering sciences*, 380(2235), 6 pages.

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# Mechanical Engineering



**World-leading researchers and teaching expertise.**



**Join a vibrant, supportive and high-impact research community.**



**State-of-the-art research facilities and technical support.**

The discipline of Mechanical Engineering is proud of its long-standing tradition of high-quality research and postgraduate student education. Undertaking a range of fundamental and applied research, we've developed many new and innovative technologies that have made an impact throughout the world.

Our research is conducted across a diverse range of areas, including:

- biomechanics including the design and development of health and sports equipment, along with the study of forces and their effect on living things.
- structural damage accumulation, fracture failure phenomena, and mechanical behaviour of engineering materials.
- software and technology to drive next-generation autonomous devices and systems.
- control of sound and vibrations, including through automated control systems.

- heat transfer, thermodynamics, fluid mechanics, combustion, and renewable technologies.

Highly-skilled technical staff and fully equipped instrumentation, electronics and mechanical workshops support the sophisticated facilities and equipment necessary to sustain the research activities of the school.

## Research institutes

- Institute for Sustainability, Energy and Resources [adelaide.edu.au/iser](http://adelaide.edu.au/iser)
- Australian Institute for Machine Learning [adelaide.edu.au/aiml](http://adelaide.edu.au/aiml)
- Institute for Photonics and Advanced Sensing [adelaide.edu.au/ipas](http://adelaide.edu.au/ipas)

## Research centres

- Centre for Energy Technology [adelaide.edu.au/cet](http://adelaide.edu.au/cet)
- Humanitarian Research [adelaide.edu.au/humanitarian](http://adelaide.edu.au/humanitarian)

## Research areas

School of Mechanical Engineering staff have active research interests in a variety of areas.

These include:

- acoustics, vibration and control
- mechanics of materials and advanced manufacturing
- robotics and automation
- biomechanics and sports engineering
- thermofluids.

To find a supervisor, submit a research proposal or learn more about this area of research, visit: [set.adelaide.edu.au/mechanical-engineering](http://set.adelaide.edu.au/mechanical-engineering)

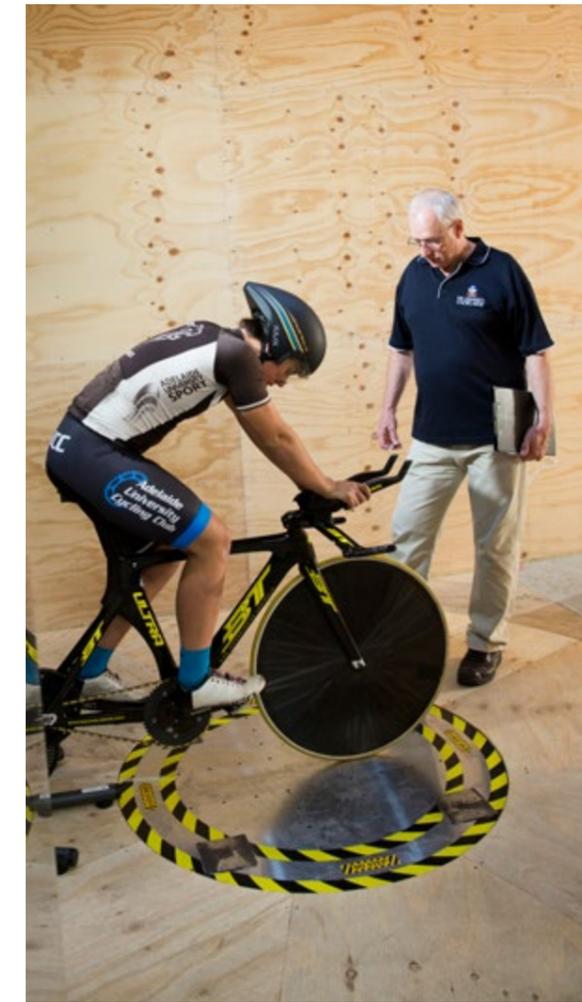
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## Further information or advice

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## Supervisor spotlight



## Dr Rey Chin

Senior Lecturer

### Fields of research

- Fluid dynamics
- Biofluid
- Renewable energy

### Awards

- Australian Research Council Discovery Early Career Researcher Award

### Why should students study with the University of Adelaide?

The University of Adelaide is one of the top Universities in the world and Adelaide is often voted amongst the top liveable cities in Australia, and the world. Here at the University, you will experience rich

university life and quality education. You will work with Academics and peers who show genuine interest in helping you develop into an independent researcher.

### Why research fluid dynamics at Adelaide?

The University of Adelaide is a research-intensive University. It has a rich history of excellent fluid dynamics research. In fact, Australia's first astronaut Andrew Thomas completed his PhD at the University of Adelaide and in the specific field of fluid dynamics. The University of Adelaide has world class experimental facilities and also has a supercomputer in the TOP500. The research training received here will prepare you to excel in academia, industry and government sector.

### Projects students may be interested in

- Fundamental studies on wall turbulence.
- Flow control methodologies for suppressing drag to achieve zero carbon emission.
- Coronary blood flow in diseased arteries (Experimental, numerical and machine learning).
- Multiphase flow with heat transfer applications.

### Recent publications

- Khaniki, H. B., Ghayesh, M. H., & Chin, R. (2023). Theory and experiment for dynamics of hyperelastic plates with modal interactions. *International Journal of Engineering Science*, 182, 43 pages.
- Khaniki, H. B., Ghayesh, M. H., Chin, R., & Amabili, M. (2023). Hyperelastic structures: A review on

the mechanics and biomechanics. *International Journal of Non-Linear Mechanics*, 148, 30 pages.

Shaw, I. J., Evans, M. J., Chin, R., & Medwell, P. R. (2023). Characterisation of ethylene flames under a range of low-oxygen concentrations. *Fuel*, 334(1), 126495-1-126495-9.

Khaniki, H. B., Ghayesh, M. H., Chin, R., & Hussain, S. (2023). Internal resonance and bending analysis of thick visco-hyper-elastic arches. *Continuum Mechanics and Thermodynamics*, 35(1), 299-342.

Kong, J., Bennetts, L. G., Nugroho, B., & Chin, R. C. (2023). Systematic study of the Reynolds number and streamwise spacing effects in two-dimensional square-bar rough-wall turbulent boundary layers. *Physical Review Fluids*, 8(1), 31 pages.

Abdelaziz, M., Djenidi, L., Ghayesh, M., & Chin, R. (2023). On the effect of streamwise and spanwise spacing to height ratios of three-dimensional sinusoidal roughness on turbulent boundary layers. *Physics of Fluids*, 35(2), 18 pages.

# Mining and Petroleum Engineering



Ranked #7 globally for Petroleum Engineering\* and #15 for Mineral and Mining Engineering\*\*.



Excellent industry connections, funding and support.



World-class research staff and facilities with access to leading industry data and software.

Our multi-disciplinary approach to research leads to ground-breaking advancements in:

- Energy systems for carbon capture, hydrogen production and storage.
- Resource recovery, minerals exploration and extraction including the development of less energy-intensive extraction and processing techniques.

As evidenced by our world-leading rankings in Petroleum Engineering and Mineral and Mining Engineering, our staff collaborate on research projects of global significance—assisting the resource sector to become more sustainable.

## Industry and research partnerships

The discipline of Mining and Petroleum Engineering maintains active relationships with business and industry partners at state, national and international levels. This is reflected in numerous collaborative

research programs, training and development, student project sponsorships and sponsored staff positions.

## Research centres and institutes

- Institute for Sustainability, Energy and Resources [adelaide.edu.au/iser](http://adelaide.edu.au/iser)
- Centre for Energy Technology

## Research facilities

- Formation Damage and Enhanced Oil-Gas Recovery Laboratory
- Geo-Energy and Storage Laboratory
- Drilling Fluids Laboratory

## Research areas

At the School of Chemical Engineering, our Petroleum and Mining Engineering research is focused on helping industry and government safely and sustainably

discover traditional and future energy resources, whilst accelerating society's transition to carbon neutrality through fundamental and applied research on carbon capture and storage (CCS) and underground hydrogen storage (UHS). Staff are active researchers and supervisors in a variety of areas including:

## Mining Engineering:

- geostatistics, resource estimation and mine optimisation.
- rock mechanics, rock burst, rock fracture mechanics and deep mining.
- fluid flow in fractured porous rocks under coupled conditions.
- innovative mining technologies such as in-situ recovery of minerals.

## Petroleum Engineering:

- subsurface gas storage (CCS and UHS).
- formation damage and enhanced oil-gas recovery.
- reservoir simulation.
- optimisation and uncertainty quantification wellbore decommissioning.
- hydraulic fracturing.
- low salinity water-flooding.

To find a supervisor, submit a research proposal or learn more about this area of research, visit: [set.adelaide.edu.au/chemical-engineering/disciplines/mining-and-petroleum-engineering](http://set.adelaide.edu.au/chemical-engineering/disciplines/mining-and-petroleum-engineering)



I chose the University of Adelaide for its international reputation. I am extremely happy with this decision, not only because I had the opportunity to work with the world's top professors, but I also experience a high quality of life in the fantastic nature of Adelaide."

**Nassim Hemmati**

PhD, discipline of Mining and Petroleum Engineering at School of Chemical Engineering

## Postgraduate coordinator

Associate Professor Abel Santos  
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## Further information or advice

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\* QS World University Rankings by Subject, 2023.  
\*\* Academic Ranking of World Universities by Subject, 2023.

## Supervisor spotlight



## Professor Pavel Bedrikovetsky

### Fields of research

- Reactive Flow in Porous Media
- CCS and UHS
- EOR and Formation Damage

### Awards

- Worldwide Distinguished Member of SPE
- Voted top 2% scientists by Stanford Unive

### Why should students study with the University of Adelaide?

We are the highest ranked University in Australia (and 10th in the world) for subsurface engineering and we have very close ties with a range of industries, which provides great opportunities for students to work on problems that directly address societal challenges, such as the decarbonisation of the energy sector.

### Why research Mining and Petroleum Engineering at Adelaide?

The University of Adelaide is home to the Formation Damage and Enhanced Oil Recovery research group. This is a leading group focusing on flow in porous media in improved recovery in Asia-Pacific. Research students have access to a world-

class laboratory equipped with high-tech instruments for fluid flow and EOR studies. They can work with a multi-disciplinary team of researchers on industry-sponsored projects. Our close collaborations with international partners (university and industry) provides the opportunity for research students to work on exciting real-world projects with the world's leading scientists and engineers within mining and petroleum engineering.

### Projects students may be interested in

- A novel method to determine Relative Permeability and Capillary Pressure from Integrated Corefloods Experiments.
- Multiscale physics for site selection of geological CO<sub>2</sub> and H<sub>2</sub> storage.
- Experimental and Geochemical Modelling of Well Integrity for CCS and Underground Hydrogen Storage (UHS).

- Semi-analytical integrated reservoir-well model for geological CO<sub>2</sub> and hydrogen storage.
- Advanced mathematical modelling of microbial growth and geochemical transport during sequential injection and production of hydrogen.
- Mechanisms of Extra Oil Recovery by Low Salinity Water Injection (Modelling and Laboratory Study).
- Effects of Fines Migration on Sweep Efficiency Enhancement (Modelling and Laboratory Study).
- Quaternary EOR Process during CO<sub>2</sub> Geo-Sequestration.
- Machine Learning Approaches for Optimised CBM Reservoir Management and Development.

### Recent publications

- Russell, T., & Bedrikovetsky, P. (2023). Colloidal transport in anisotropic porous media: Kinetic equation and its upscaling. *Journal of Computational and Applied Mathematics*, 422, 18 pages.
- Loi, G., Nguyen, C., Chequer, L., Russell, T., Zeinijahromi, A., & Bedrikovetsky, P. (2023). Treatment of Oil Production Data under Fines Migration and Productivity Decline. *Energies*, 16(8), 3523.
- Hemmati, N., Borazjani, S., Badalyan, A., Genolet, L., Behr, A., Bedrikovetsky, P., & Zeinijahromi, A. (2023). Effects of Salinity Alternation on Relative Permeability and Capillary Pressure as Determined from Steady-State-Transient Test. *Geoenergy Science and Engineering*, 227, 1-20.
- Ting, H. Z., Yang, Y., Tian, Z. F., Carageorgos, T., & Bedrikovetsky, P. (2023). Detachment of inclined spheroidal particles from flat substrates. *Powder Technology*, 427, 12 pages.
- Hashemi, A., Nguyen, C., Loi, G., Khazali, N., Yang, Y., Dang-Le, B., . . . Bedrikovetsky, P. (2023). Colloidal detachment in porous media: Stochastic model and upscaling. *Chemical Engineering Journal*, 474, 145436.

# Physics, Chemistry and Earth Sciences



Extensive, international network of research, government and private sector partners.



Career opportunities in the growth industries of energy and defence.



State-of-the-art research facilities and supporting infrastructure.

The School of Physics, Chemistry and Earth Sciences undertakes world-leading research in the disciplines of:

- Chemistry
- Earth Science
- Physics.

Our postgraduate students play a key role in this work. They have contributed to breakthroughs that have captured international attention, such as the detection of gravitational waves that won the 2017 Nobel Prize for Physics.

Our research, which has the potential to change lives, is attracting significant external funding and involves collaborations with leading international researchers. The school supports this

research with a wide range of state-of-the-art equipment, IT and infrastructure.

## Industry and research partnerships

The School of Physics, Chemistry and Earth Sciences has an extensive international network of research, government and private sector partners, spanning industries such as energy, mining, defence and health.

By working together with our partners, we're able to deliver fundamental knowledge and technologies that provide applied research solutions and deliver real-world impact and benefit.

## Research institutes and centres

- Environment Institute [adelaide.edu.au/environment](http://adelaide.edu.au/environment)
- Institute for Sustainability, Energy and Resources [adelaide.edu.au/iser](http://adelaide.edu.au/iser)
- Institute for Photonics and Advanced Sensing [adelaide.edu.au/ipas](http://adelaide.edu.au/ipas)
- ARC Centre of Excellence for Gravitational Wave Discovery (Adelaide node) [ozgrav.org](http://ozgrav.org)
- Special Research Centre for the Subatomic Structure of Matter [set.adelaide.edu.au/physics-chemistry-earth-sciences/our-research/physics/nuclear-and-particle-physics/cssm](http://set.adelaide.edu.au/physics-chemistry-earth-sciences/our-research/physics/nuclear-and-particle-physics/cssm)
- Centre for Energy Technology [adelaide.edu.au/cet](http://adelaide.edu.au/cet)
- Australian Critical Minerals Research Centre [adelaide.edu.au/australian-critical-minerals-research-centre](http://adelaide.edu.au/australian-critical-minerals-research-centre)
- Mawson Geo Centre [adelaide.edu.au/mawson-geo](http://adelaide.edu.au/mawson-geo)
- MinEx Cooperative Research Centre [minexcrc.com.au](http://minexcrc.com.au)
- Sprigg Geobiology Centre [adelaide.edu.au/environment/research/sprigg-geobiology-centre](http://adelaide.edu.au/environment/research/sprigg-geobiology-centre)

“

As a PhD student working at the interface of chemistry and biochemistry, the availability of a broad range of equipment enables me to conduct my research projects. The training sessions and workshops with academic and professional staff across the University have helped me to develop my research skills and apply them across my projects. This assured me that I made the right decision to choose the University of Adelaide!”

Shaghayegh Dezvarei PhD Chemistry

## Research areas

Our scientists work across multidisciplinary themes and our research has been rated by Australian Research Council's Excellence in Research Australia (ERA) as “well above or above world standard” for:

- **Physics:** astronomical and space sciences; atomic, molecular, nuclear, particle and plasma physics; optical physics
- **Chemistry:** analytical chemistry; inorganic chemistry; macromolecular and materials chemistry; medicinal and biomolecular chemistry; physical chemistry
- **Earth Sciences:** geology; geochemistry; geophysics

To find a supervisor, submit a research proposal or learn more about our research areas, please visit: [set.adelaide.edu.au/physics-chemistry-earth-sciences/our-research](http://set.adelaide.edu.au/physics-chemistry-earth-sciences/our-research)

## Postgraduate research contacts

The following School staff can be contacted to assist in postgraduate research matters.

### Physics

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Professor Gavin Rowell  
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### Chemistry

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### Earth Sciences

Associate Professor Jon Tyler  
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W: [set.adelaide.edu.au/physics-chemistry-earth-sciences](http://set.adelaide.edu.au/physics-chemistry-earth-sciences)





# International research student fees

## 2025 commencement

The quoted fee is a base fee and may be subject to an annual increase for each subsequent year of the degree. Information regarding fees and how to access fee increases will be included in successful applicants' Offer of Admission letter\*.

Faculty/broad discipline	Degree	2024 (per year) AUD	
Sciences, Engineering and Technology	Doctor of Philosophy (Architecture)	\$49,000	
	Doctor of Philosophy (Engineering)	\$53,000	
	Doctor of Philosophy (Maths & Computer Sciences)	\$53,000	
	Doctor of Philosophy (Sciences)	\$53,500	
	Doctor of Philosophy (Veterinary Science)	\$60,000	
	Master of Philosophy (Architecture)	\$49,000	
	Master of Philosophy (Engineering)	\$53,000	
	Master of Philosophy (Maths & Computer Sciences)	\$53,000	
	Master of Philosophy (Sciences)	\$53,500	
	Master of Philosophy (Veterinary Science)	\$60,000	
Health and Medical Sciences	Doctor of Philosophy (Dentistry)	\$60,000	
	Doctor of Philosophy (Medicine)	\$60,000	
	Doctor of Philosophy (Medicine) Nursing	\$53,500	
	Doctor of Philosophy (Medicine) Public Health	\$53,500	
	Doctor of Philosophy (Ophthalmology)	\$60,000	
	Doctor of Philosophy (Surgery)	\$60,000	
	Master of Clinical Science	\$53,500	
	Master of Clinical Science (Nursing)	\$49,500	
	Master of Philosophy (Clinical Science)	\$53,500	
	Master of Philosophy (Clinical Science) Nursing	\$49,500	
	Master of Philosophy (Dentistry)	\$60,000	
	Master of Philosophy (Medicine)	\$60,000	
	Master of Philosophy (Ophthalmology)	\$60,000	
	Master of Philosophy (Public Health)	\$53,500	
	Master of Philosophy (Surgery)	\$60,000	
	Arts, Business, Law and Education	Doctor of Philosophy (Arts)	\$42,500
		Doctor of Philosophy (Arts) Environmental Studies	\$52,500
Doctor of Philosophy (Arts) Physical Geography		\$52,500	
Doctor of Philosophy (Education)		\$42,500	
Doctor of Philosophy (Elder Con)		\$42,500	
Doctor of Philosophy (Law)		\$48,500	
Doctor of Philosophy (Professions)		\$48,500	
Doctor of Philosophy (Professions) Economics and Econometrics		\$48,500	
Master of Philosophy (Arts)		\$42,500	
Master of Philosophy (Arts) Environmental Studies		\$52,500	
Master of Philosophy (Arts) Geography		\$52,500	
Master of Philosophy (Economics)		\$48,500	
Master of Philosophy (Education)		\$42,500	
Master of Philosophy (Elder Con)		\$42,500	
Master of Philosophy (Law)		\$48,500	
Master of Philosophy (Professions)		\$48,500	

\*Fees listed are a guide only and subject to change. Please refer to our website for the most up-to-date information [adelaide.edu.au/study/postgraduate/research-degrees/international-student-fees](https://adelaide.edu.au/study/postgraduate/research-degrees/international-student-fees)



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### **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.



Please visit our website:  
**[international.adelaide.edu.au](http://international.adelaide.edu.au)**