WELCOME

UNSW Sydney is one of the top 100 universities in the world.

We are an education and research-intensive university, delivering outstanding teaching alongside cutting-edge research.

We are also a global university and we aim to have an impact on people’s lives around the world.

Our ambitious 2025 Strategy has set our University on a path to deliver academic excellence, as well as a major program built on equity, diversity and inclusion. We are committed to thought leadership, knowledge transfer and serving the greater good.

We are proud of our national and international networks, which support our belief that strength through collaboration and generosity in partnerships will enable society to solve its greatest challenges.

Our international and regional partnerships, first-class academics, and state-of-the-art facilities mean our students graduate with relevant, highly sought-after skills.

We want those who are part of our community to share in the vibrant and diverse experience that is UNSW.

This guide provides a snapshot of UNSW’s core strengths and achievements. We hope you find it useful.

I encourage you to contact us if you have any questions about engaging with UNSW.

Professor Ian Jacobs
President and Vice-Chancellor
UNSW Sydney
We are improving lives through excellence in research and education, and a commitment to advancing a just society.

UNSW is a founding member of both the Group of Eight, a coalition of Australia’s leading research-intensive universities, and the prestigious Universitas 21 international network.

We have partnerships with major universities across the world to amplify our expertise and help solve the world’s biggest issues.

We are a powerhouse of cutting-edge research, teaching and innovation.

AUSTRALIA’S GLOBAL UNIVERSITY

ESTABLISHED 1949

QS world ranking 45
THE world ranking 96
ARWU world ranking 102
24 in the world for employer reputation (QS graduate employability rankings)

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UNSW At a Glance

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Art & Design
Arts & Social Sciences
Built Environment
Business School
UNSW Canberra

Engineering
Law
Medicine
Science
UNSW Canberra

Unique in Australia, UNSW Canberra at the Australian Defence Force Academy provides undergraduate education for officer cadets as well as postgraduate programs, which are open to all students in arts, business, engineering, IT, management and science.

Student data as at 31 Dec 2017. Staff data as at 31 March 2018.
We are delivering life-changing research and shaping the future of higher education.

**Brightest minds**
More than $900m will be invested over 10 years to attract researchers within the top 5 per cent of their field internationally through the Strategic Hire and Retention Pathways (SHARP) program. As part of the program UNSW will have:

- **100** World-class academics welcomed through SHARP
- **290** Scientia Fellows
- **700** Scientia PhD Scholars

**Powerhouse partnerships**
Our strategic partnerships help us realise real-world impact, and our research is recognised on the world stage. Some of these partnerships include:

- The George Institute for Global Health
- PLuS Alliance with Arizona State University and King's College London
- NUW Alliance with the University of Newcastle and the University of Wollongong
- Torch Innovation Precinct at UNSW
- UNSW Defence Research Institute
- Sydney Partnership for Health, Education, Research and Enterprise (SPHERE)

**Innovative research**
We strive to meet tomorrow’s challenges and are an acknowledged world leader in photovoltaics, HIV/AIDS research and quantum computing.

**Our strengths:**
- Biomedical sciences
- Water, climate, environment and sustainability
- Next generation materials and technologies
- Social policy, government and health policy
- ICT, robotics and devices
- Law, business and economics
- Fundamental and enabling sciences
- Contemporary humanities and creative arts
- Defence and security

UNSW is committed to investing in outstanding researchers at all stages of their careers and to facilitating the kinds of global connections that will cultivate the academics of the future.

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“"Professor Nicholas Fisk, Deputy Vice-Chancellor Research

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Professor Simmons’ research team is leading the global race to develop a quantum computer in silicon. They are the only group in the world that can manipulate individual atoms to make atomically precise electronic devices.

In 2017, Simmons established Australia’s first quantum computing company, bringing together governments, industry and universities in an $83M consortium based at UNSW to develop and commercialise the Centre’s research.

As well as her 2018 Australian of the Year award, Professor Simmons is a Laureate Fellow and a Fellow of the Royal Society of London. She has been awarded two ARC Federation Fellowships, an international L’Oreal-UNESCO For Woman in Science award and the Thomas Ranken Lyle Medal.

UNSW Scientia Professor Michelle Simmons was named 2018 Australian of the Year in recognition of her pioneering research and leadership in quantum computing.

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“
We want to build not just a quantum computer, but a quantum computing industry here in Australia. We’re up against the likes of Google, IBM and Microsoft and we believe we’ll win the race.

Scientia Professor Michelle Simmons, Director of the Australian Research Council Centre of Excellence for Quantum Computation and Communication Technology

Fast facts

As well as her 2018 Australian of the year award, Professor Simmons is a Laureate Fellow and a Fellow of the Royal Society of London. She has been awarded two ARC Federation Fellowships, an international L’Oreal-UNESCO For Woman in Science award and the Thomas Ranken Lyle Medal.
We are embracing the diversity and cultural richness of our communities to ensure our staff and students can achieve their full potential. This involves investing in projects on campus as well as working in partnership with the community.

$92m in funding allocated towards:
- Gender equity
- Cultural diversity
- LGBTIQ inclusion
- Disability Inclusion Action Plan
- Improving access for low socio-economic students to UNSW

Advocating for human rights
UNSW’s Disability Innovation Institute is helping transform the lives of people with disability by combining disability studies with STEM research. The Australian Human Rights Institute also takes an interdisciplinary approach, bringing together medical, engineering and legal minds to help find solutions to human rights issues.

“Across UNSW, there is a fantastic commitment to research which improves people’s lives. Being part of the establishment of the Public Service Research Group and Disability Innovation Institute, have been some of the highlights of my career.”

Gemma Carey, Associate Professor and Research Director, Centre for Social Impact

Empowering global communities
Our Institute for Global Development is connecting the work of researchers and people who need solutions to issues in their community. Partner communities in Uganda, Myanmar, the South Pacific and Australia work with the Institute on projects as diverse as academic leadership training, community health screening and the provision of green energy solutions.
UNSW’s Grand Challenges program brings together scholars and leading thinkers to exchange knowledge and new ideas through forums, conferences, research and policy development workshops to facilitate action.

**Grand Challenge events and projects in 2017**

- **60+** People registered in 2017
- **7,500** Gender equity for invited speakers

Some of our celebrated speakers have included the pioneer of CRISPR Dr Francisco Mojica, robot ethicist Ron Arkin, UN Special Rapporteur on extreme poverty Philip Alston, US climatologist Michael E. Mann, and former adviser to the Obama Administration Christina Romer.

*Everything is affected by technological change – new tools change how we act in the world, how important decisions are made, and what can be accomplished. This provides a space for conversations around ethical design, creativity and innovation.*

— Associate Professor Lyria Bennett Moses, Lead of ‘Living with 21st Century Technology’
Solar cell research – led for more than 40 years by UNSW’s ‘father of photovoltaics’ Professor Martin Green – will now be used to provide UNSW with a renewable source of emissions-free energy.

The landmark move furthers our commitment to climate change, UNSW’s first Grand Challenge.

UNSW has signed a world-first solar energy agreement that will help the University achieve carbon neutrality on energy use by 2020.

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“

We need to maintain the pace of research in Australia, not only to keep our international lead, but also to benefit society by providing a cheap, low carbon source of electricity.

“

Scientia Professor Martin Green, Director of the Australian Centre for Advanced Photovoltaics

**Fast facts**

UNSW Scientia Professor Martin Green was awarded the 2018 Global Energy Prize for revolutionising the efficiency and costs of solar photovoltaics, making it the lowest cost option for bulk electricity supply.

Since joining UNSW in 1974, Green has enjoyed celebrated success with his research in solar cells, silicon solar cells and photovoltaics. The research group he founded in UNSW Faculty of Engineering is the largest university-based photovoltaic research group in the world.
GLOBAL REACH

We are expanding our education and reaching more students from all backgrounds and communities worldwide.

Top countries of origin

- South Korea
- China (including Hong Kong and Taiwan)
- Vietnam
- Malaysia
- Singapore
- Indonesia
- United States of America
- Pakistan
- India
- United States of America
- South Korea
- China (including Hong Kong and Taiwan)
- Vietnam
- Malaysia
- Singapore
- Indonesia
- United States of America
- Pakistan
- India

Fast facts

- 14th in the world, THE most international universities
- 90% student satisfaction rating, International Student Barometer survey
- 27% of UNSW’s graduating cohort undertook an international experience in 2017
- $800,000 allocated to support outbound mobility to developing countries

Data as at 2017
GLOBAL IMPACT

From China and India, to Europe and the US, our international partnerships are helping improve lives globally.

Lighting the way in China
UNSW is creating a new state-of-the-art Torch Innovation Precinct, a premier destination for entrepreneurship and innovation to showcase Chinese and Australian collaboration and R&D.

The ambitious, government-backed initiative is the first precinct of its kind outside China and brings the successful Chinese ‘Torch’ model of science and technology parks to UNSW’s Kensington campus.

The Torch pipeline has grown to $100m+ of new collaborations with industry partners spanning energy, water and environment, advanced materials, biotechnology and life sciences, ICT and advanced manufacturing, and engaged more than 100 researchers.

“The Torch Innovation Precinct at UNSW has become a beacon of bilateral cooperation and investment in innovation and entrepreneurship.”

Li Keqiang,
Premier of the State Council of the People’s Republic of China

In the heart of Shanghai, UNSW’s new China Centre is also advancing education, knowledge exchange, research collaboration and alumni engagement between Australia and China.

The India effect
The new UNSW India Centre in New Delhi opened in 2018, strengthening research and education partnerships and supporting UNSW’s growing portfolio of in-country programs such as the Global Business Practicum and New Colombo Plan.

New Colombo Plan
UNSW was the first university in Australia to open its doors to students from Asia under the Colombo Plan in 1952.

Today, the government’s New Colombo Plan has supported more than 13,500 Australian undergraduate students to study across the Indo-Pacific region to enhance knowledge among young Australians.

We have one of the largest outbound student mobility programs in Australia under the plan, with 800 UNSW students expected to visit the Indo-Pacific region in 2018.

“These projects provide extraordinary opportunities for our students to forge people-to-people ties with some of Australia’s largest trading partners, emerging neighbours and in developing communities around the region.”

Laurie Pearcey,
Pro-Vice-Chancellor International
Philanthropist and founder of Sydney’s White Rabbit Gallery, Judith Neilson AM, made her second major donation to UNSW with $6m for The Judith Neilson Chair in Contemporary Art in 2017.

The Professorial Chair will work to expand study of contemporary Chinese art.

Dr Neilson’s visionary gift supports UNSW’s mission to build enduring partnerships between China and Australia, encompassing culture, education, research and innovation.

Generous donations are helping UNSW invest more in education excellence, world-class facilities and globally-focused research.

"We know that it is only through the help of friends and benefactors that we have been able to get to where we are and we thank them for sharing this vision. Their generosity has enabled us to move ahead with our expansion plans. A gift today is an investment in tomorrow."

David Gonski AC, Chancellor
Our integrated digital and physical campuses are transforming learning and creating a safe, respectful culture for study and work.
MODERN CAMPUS, PERFECT LOCATION

UNSW at a Glance

- Sydney CBD: 20 mins by car
- UNSW Art & Design: 10 mins by car
- UNSW Institute of Languages & Foundation Studies
- Bondi Beach: 20 mins by car
- Bondi Junction: 20 mins by bus
- UNSW Canberra: 3 hours by car
- Sydney CBD: 20 mins by car
- Sydney campus size: 38ha
- Sydney Airport: 20 mins by car
- Coogee Beach: 8 mins by bus

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2018 At a Glance

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The Information in this publication was correct at the time of printing. Updates are available on the UNSW website.