



At a Glance

Sydney and Canberra





Welcome Message

UNSW Australia (The University of New South Wales)

is an internationally renowned, research-intensive and

globally focused university located in Sydney, Australia

We are a leader in higher education in Australia and the Asia-Pacific, and are ranked in the world's top 100 universities.

Our success stems from our talented academics and students, innovative teaching programs, and our cutting-edge research, aimed at solving society's biggest issues.

We are a dynamic and diverse institution. Our graduates are recognised globally for their skills and are highly sought after by employers.

By heavily investing in state-of-the-art facilities and with strong industry support, we continue to attract researchers who lead their respective fields. This is part of our ambitious 2025 strategy to strengthen UNSW and ensure our research outcomes have real world impact.

This pocket 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 Australia

Global Impact

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

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

We are the only Australian member of the Global Alliance of Technological Universities; a member of the Association of Pacific Rim Universities (APRU); and a partner of Coursera, the largest provider of MOOCs in the world.

With internationally recognised and award-winning academic staff, we have an impressive standing in global league tables, achieving our highest ratings for research, innovation and facilities.

Top 50

UNSW is ranked 48 in the 2014 QS World University Rankings.

Leading MBA

The Australian Graduate School of Management MBA program is recognised as one of the finest in the *Financial Times'* ranking of the top 100 global MBA programs.

Talented Students

We have the highest median ATAR in NSW and attract the largest percentage of the State's top school leavers.

Campus Life

Our extensive campus transformation program is providing the best possible learning and research environment.

Leader in Teaching

UNSW is the top university nationally for Accounting and Finance in the 2015 QS World University Subject Rankings, and has 18 subjects in the world's top 50.

Alumni Success

We have the largest number of millionaire alumni and have produced more technology entrepreneurs in the past 15 years than any other Australian university.

Top Graduates

More of Australia's top CEOs who lead ASX 200 companies studied at UNSW than any other university.

Star Researchers

Our researchers won the highest amount of Australian Research Council funding in 2014.

Industry Links

UNSW received the highest level of Australian Research Council industry-linked project grants.





Rich History, Bright Future

Innovation, technology and creativity are at the heart of what we do

Established in 1949 with a unique focus on the scientific, technological and professional disciplines, UNSW is a leading Australian university committed to making a difference through pioneering research and preparing the next generation of talented global citizens for career success.

UNSW has a proud tradition of sustained innovation, focusing on areas critical to our future – from climate change and renewable energies to lifesaving medical treatments and breakthrough technologies. In the social sciences, UNSW research informs policy and expert commentary in key issues facing society ranging from human rights and constitutional recognition of Indigenous Australians to public health and population ageing.

UNSW offers an extensive range of undergraduate, postgraduate and research programs.

We attract talented students from across Australia and around the world. Our 50,000-plus students come from 128 countries, making us one of Australia's most cosmopolitan universities. Our emphasis on quality continues to push up entry standards – in 2014 we saw record demand from the State's top school leavers.

The main UNSW campus is located on a 38 hectare site at Kensington, seven kilometres from the centre of Sydney. Other major campuses are Art & Design in Paddington and UNSW Canberra at the Australian Defence Force Academy.

< The PLACE-Hampi Museum project in India (pictured) was developed by Professor Sarah Kenderine from UNSW Art & Design using new technologies to create immersive museum experiences.

Fast Facts

Faculties

Art & Design
Arts & Social Sciences
Built Environment
Business School
Engineering
Law
Medicine
Science

UNSW Canberra

Unique in Australia, UNSW Canberra is based at a leading military academy. Its undergraduate programs are tailored to the Australian Defence Force, while postgraduate and doctoral research programs across arts, business, engineering, IT and science are open to all students.

> The 6 Star Green-rated Tyree Energy Technologies Building is home to world-leading research focused on renewable energy and sustainability.

47

Schools

53,481

Students

19,905

Commencing Students

132

Centres and institutes

39,848

Local Students

6,117

Staff

18

On-campus colleges
and affiliated student
accommodation

13,633

International Students

267,937

Alumni



The UNSW Difference

Pioneering research and teaching combined with strong international and industry links give UNSW graduates a head start on their peers

UNSW offers one of Australia's most dynamic learning environments.

Our award-winning academics, a creative approach to teaching and learning, and our strong collaborative ties with industry and global partners, give our students and researchers a competitive edge.

An emphasis on quality education continues to push up entry standards: UNSW attracted record demand from the State's top school leavers in 2014, and became the first Australian university to set a minimum admission rank of 80.

Large-scale investment in new technologies, aimed at improving teaching outcomes, is providing students with high-quality learning opportunities. Our award-winning on-campus accommodation, expanded services and recreation facilities, and a new student innovation hub, make for a vibrant student experience.

4,400

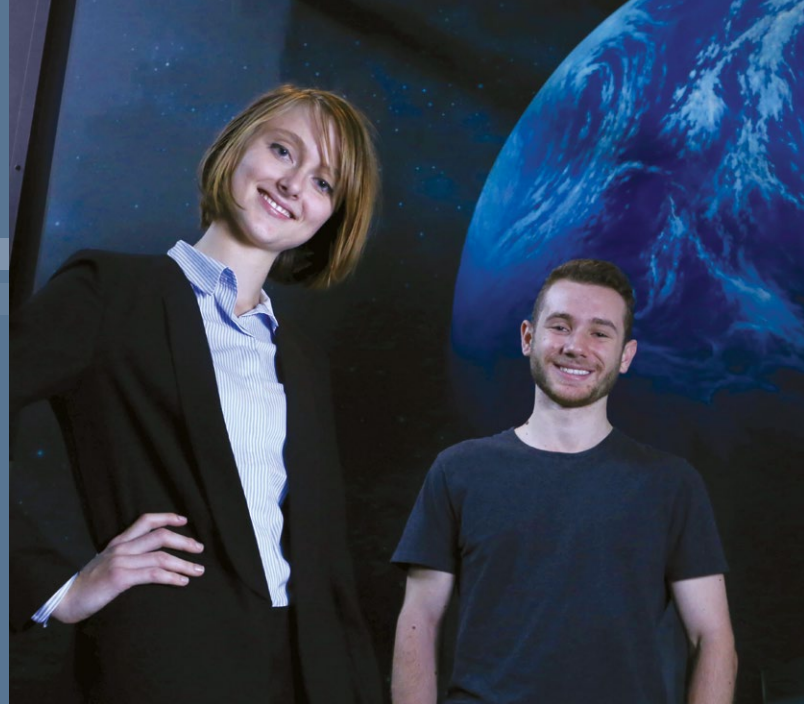
Number of student beds on campus – the most in NSW

92.15

The highest median ATAR in NSW

Startup Hub

UNSW has produced more technology entrepreneurs in the past 15 years than any other Australian university



“Everybody is an innovator, and should be an innovator. I think that’s very, very important.”

Mr Michael Crouch AO,
Executive Chairman
of Midgeon Holdings
and UNSW donor

The new Michael Crouch Innovation Centre will be a hub for student innovation activities, benefiting a new generation of talented, creative students like Solange Cunin and Nathan Adler (pictured).

Students from all faculties can collaborate, take part in a range of innovation activities, and challenge the status quo.

The Centre will host a variety of foundational and experiential learning programs run by UNSW experts and business partners, and will feature a state-of-the-art maker space where students can design and build prototypes.

The Rhodes to Success

Sean Lau and Emily Burke, who both studied arts/law at UNSW, won prestigious Rhodes Scholarships for 2015.

Sean Lau and Emily Burke are old friends on a new journey. The pair attended high school and studied arts/law together at UNSW, and now each has been named a 2015 Rhodes scholar.

Lau, who will study a Masters in Christian Theology at Oxford University, says he's troubled by what he calls "irresponsible religious rhetoric" influencing policy debates around important issues like climate change. Burke, who won the University Medal, will study a Master of Public Policy at Oxford, focusing on Indigenous issues and environmental law.

"Sean and Emily epitomise the best of UNSW Law: extraordinary academic talent combined with an enthusiasm to contribute to all the best aspects of law school life and to community activities."

Professor David Dixon
Dean of UNSW Law

Fast Facts

UNSW Law has had three Rhodes scholars in the last two years.

More than half of the State's 2015 Rhodes scholar applicants were from UNSW.



> Kensington Colleges



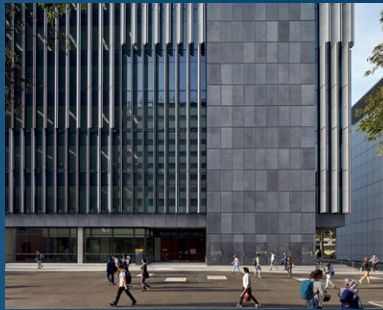
> Ainsworth Mechanical and Manufacturing Engineering and Precinct



> Biomedical Research Precinct, including the recently redeveloped Wallace Wurth Building, the Kirby Institute and the Lowy Cancer Research Centre



> Tyree Energy Technologies Building



> Materials Science and Engineering Building, housing the Michael Crouch Innovation Centre



> \$58 million redevelopment of the Art & Design campus in Paddington

Campus Facilities

We provide an exciting environment for learning, teaching and research

Our ambitious building program continues to transform the campus, creating a 'city within a city' offering 21st century research and teaching facilities, student accommodation, recreation spaces and retail outlets. UNSW now offers students close to 4,500 beds on campus – more than any other NSW university.

In 2014, the University invested \$215 million in new infrastructure projects, including the redevelopment of the UNSW Art & Design campus, the construction of a new Materials Science building, and an upgraded mechanical engineering precinct.

These new buildings and precincts feature state-of-the-art labs, studios and classrooms.

Academic Excellence

A world-leading research university with a proud history of impact and innovation, UNSW has an enduring commitment to solving challenges critical to our future

UNSW ranked first in the country in Australian Research Council (ARC) funding in 2014, receiving \$68 million for new projects. It also secured \$10.5 million from the ARC for industry-related projects – more than any other Australian university.

One of our major strengths is working collaboratively with industry and other institutions. This ensures UNSW's world-leading research has practical applications and a direct impact on society.

Our commercialisation company, UNSW Innovations, has completed 34 technology licensing deals under the Easy Access IP model – more than any other university globally.

Our sustained excellence in fields such as biomedical science, climate science and quantum computing, has pushed UNSW into the top three Australian universities for high-quality science publications as measured by the 2015 Nature Publishing Index.

Research 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

> Professor Sven Rogge, Associate Professor Andrea Morello, Professor Michelle Simmons and Professor Andrew Dzurak from the ARC Centre of Excellence for Quantum Computation and Communication Technology.



10

ARC Centres of Excellence

5,758

Research Publications

2,115

Research Staff

\$525m

Total Research Income

4,294

Higher Degree Research Candidates

11

Cooperative Research Centres

6

Affiliated Medical Research Institutes

7

National Health and Medical Research Council Centres of Excellence

12

National Research Centres

Solar Superheroes Shine

Professors Martin Green (pictured, right) and Stuart Wenham are photovoltaic engineers at UNSW who are delivering game-changing technologies.

World leaders in solar photovoltaics for more than 30 years, UNSW engineers continue to raise the bar.

In November 2014, a team led by Martin Green – often dubbed the “father of photovoltaics” – adapted commercial solar cells to capture wasted sunlight, achieving an electricity conversion rate greater than 40%. This new world record is pushing the boundaries of what many thought to be theoretically possible.

Earlier in 2014, Green’s long-time colleague Stuart Wenham developed an award-winning processing technology that will allow low-quality silicon to outperform more expensive materials.

“Our international reputation means we can assemble teams of people around the world ... and we can have multiple approaches occurring in parallel. This is a major advantage.”

Professor Martin Green
UNSW Engineering

Fast Facts

In 2014, UNSW engineers secured more than \$7 million in funding from the Australian Renewable Energy Agency.

UNSW is part of the \$88 million Australia–US Institute for Advanced Photovoltaics, which includes Stanford and Berkeley universities.

UNSW-developed technologies are used by some of the world’s largest solar cell manufacturers.

Social Engagement

As a trusted partner of industry, government and the community,

UNSW is committed to student equity, leading critical debates on

major issues and sparking positive social change

UNSW is a hub for thought leadership on a local, national and global stage. We play an important role influencing contemporary issues and shaping debates through our public lectures, expert commentary, policy advice to governments and industry, and by delivering globally focused graduates.

As a trusted institution, we also see ourselves as a catalyst for positive change, and are strongly committed to improving equity within society and within our own community.

Some of our most significant social engagement activities include:

ASPIRE

An initiative to promote higher education to disadvantaged high school students, enabling many to become the first in their family or community to attend university.

Nura Gili

A program to provide pathways to university for Indigenous students and ongoing study support. In 2014, UNSW graduated a record number of Indigenous doctors.

Public Lectures

Including the annual Gandhi Oration, the Wallace Wurth Memorial Lecture, the Sir William Tyree Energy Lecture, the Jack Beale Lecture on the Global Environment, and the Big Questions Institute series, which partnered with the Sydney Opera House to present Professor Stephen Hawking.

Cultural Partnerships

Including a media partnership with ABC Radio National to promote early-career scientists, and major partnerships with the Sydney Writers' Festival, the Sydney Film Festival, VIVID and the Walkley Foundation.



> Professor Stephen Hawking delivering his UNSW Big Questions Institute lecture at the Sydney Opera House.



"I am an outgoing, hardworking and proud Aboriginal woman who is committed to making a difference to the health outcomes of my people."

Khyarne Biles (far left), one of a record six Indigenous doctors to graduate from UNSW in 2014.

Modern-Day Alchemist

Professor Veena Sahajwalla is a materials scientist working with industry heavyweights and leading an \$8.8 million Australian Research Council green manufacturing hub to direct waste materials back into industrial production.

Australian Laureate Fellow Veena Sahajwalla sees value in junk. She invented a technology whereby carbon, retrieved from used tyres, can replace non-renewable coke to make steel. Commercialised by industry partner OneSteel/Arrium, and adopted by companies around the world, this polymer injection, or 'green steel' technology, has prevented more than two million tyres from ending up in landfill.

Sahajwalla is now leading an \$8.8 million industry-backed research hub, working to transform discarded plastic and glass materials into useful alloys and ceramics for manufacturing and developing cost-effective solutions.

"We've had success with green steel-making and we can do so much more through green manufacturing. There are so many opportunities."

Professor Veena Sahajwalla
UNSW Science

Fast Facts

In 2014, Sahajwalla was named an Australian Laureate Fellow and received \$2.4 million for research into micro-recycling of electronic waste.

She was recently awarded a grant to start the UNSW Science 50:50 initiative, which aims to inspire more young women to study science and technology.

Making Connections

UNSW is partnering with major international universities to help give students a global education

For more than 60 years, UNSW has looked beyond domestic borders, welcoming international students. Today, UNSW has one of Australia's most diverse student bodies and a global community of some 268,000 alumni.

We understand global education works both ways – UNSW students are among the most successful in Australia in winning prestigious year-long scholarships to study in the region under the New Colombo Plan.

Through strong regional and international engagement, UNSW has formed research and teaching partnerships with hundreds of leading universities around the world.

We were the only Australian university invited to join the prestigious Global Alliance of Technological Universities. UNSW has also established a Global Circle of Friends, which includes boards in Hong Kong, the UK and the US, and an Advisory Council in Singapore.

Partnerships like these provide an international platform for student mobility and a global education, and continued alumni engagement.

Top 10 Countries of Origin

of our current international students

- > China (including Hong Kong)
- > USA
- > Malaysia
- > Indonesia
- > Brazil
- > Singapore
- > India
- > South Korea
- > Vietnam
- > UK

Investing in Our Future

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



“We know that it is through 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.”

Mr David Gonski AC,
Chancellor and Chair
of the UNSW Foundation

Philanthropist and arts patron Judith Neilson (pictured) donated \$10 million to establish a new Chair in Architecture in the Faculty of Built Environment. The Chair will lead research into the design of low-cost housing for the tens of millions of people around the world who are being displaced by natural disasters, climate change and geo-political conflicts.

This gift, and many others, has helped the UNSW Foundation achieve a record level of philanthropic revenue, raising \$35.3 million in 2014.

Delivering Hope Through Education

UNSW alumnus Corrin Varady is the founder of the World Youth Education Trust.

When Dr Corrin Varady began studying commerce at UNSW he planned on becoming an investment banker. That changed after a volunteer teaching assignment in Africa brought him into contact with former child soldiers from northern Uganda. When he asked them what they wanted more than anything, their response was unanimous: an education. "That experience just triggered something profound in me," he recalls. Back in Australia, Varady established the World Youth Education Trust – a charity working to educate and rehabilitate former child soldiers. He was recently named the joint UNSW Young Alumnus of the Year for 2015.

> Corrin Varady (right) and Jonathan Okwir, who was abducted when he was 10 to become a child soldier in the Lord's Resistance Army. Now 22, he is finishing high school with support from the Trust.

Fast Facts

World Youth Education Trust now operates two schools, one in northern Uganda and one in Tanzania.

It educates more than 2,500 students, many of whom are former child soldiers.

Varady also started The Institute of Digital Education Africa, which will provide digital STEM-related content to African students.

"We are driven by what these young people want to do with their lives."

Dr Corrin Varady
UNSW Alumnus
and Trust Founder

2015 At a Glance

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