



UOW and
the Great
South West



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

Stands
for purpose



World-class education for a booming region

The University of Wollongong (UOW) is excited to have opened our doors in the Great South West, one of Australia's most significant urban centres. Our first cohort of students has already begun their studies at UOW's South Western Sydney Campus in Liverpool and we have big plans for the future.

The Great South West is a region that is truly taking off and we are proud to be partnering with Liverpool City Council to ensure that the region has the educational and training support it needs to move forward and embrace its future.

The University of Wollongong's new South Western Sydney Campus will provide world-class educational opportunities for the people of Liverpool and the Great South West. The new campus will provide greater choice for those who would prefer to study close to home and will provide significant economic opportunities for the people of Liverpool by ensuring its best and brightest can remain in the region.

UOW's South Western Sydney Campus will ensure the next generation of workers in the region are trained and ready for the new jobs and industries of tomorrow and are well placed to embrace the opportunities from the new Western Sydney Airport at Badgerys Creek.

The new campus, the first major university campus in Liverpool, builds on an already thriving relationship between the University of Wollongong and the Great South West, and represents a major, long-term investment by the University to the Liverpool region.

Almost 2,000 students travel from the Great South West to the University's Wollongong Campus each year to undertake their studies, with almost 7,000 UOW Alumni calling the Great South West home. Additionally, around 150 staff members at the University of Wollongong travel from the Great South West to our Wollongong Campus for work each day.

The University of Wollongong continues to forge strong networks with the Great South West through placement programs and research partnerships with organisations in the region including Liverpool Hospital, the Ingham Institute and multinational manufacturing company Daikin.

The University of Wollongong is committed to transforming and growing the Liverpool region, keeping the brightest minds in the area and contributing to an already strong health and medical precinct.

We look forward to being a substantial contributor to the Liverpool region and to working with Liverpool City Council and local industry to support innovation in the region.



“

Our new South Western Sydney Campus at Liverpool is designed to provide better access to higher education for people in the Liverpool region so that people no longer have to travel long distances or leave the region to follow their educational dreams.”

**Professor Paul Wellings CBE
Vice-Chancellor
University of Wollongong**

A handwritten signature in black ink, appearing to read 'Paul Wellings', with a stylized flourish at the end.

Supporting the creation of new industries and jobs



Education is one of the most powerful forces in the world. It opens minds and helps people find purpose, meaning and solutions.

The University of Wollongong was built on this principle, and in the 42 years since its independence, UOW has become a benchmark for Australia's new generation of universities.

At UOW, we're proud to be among the best modern universities in the world. Throughout our 60-year history, we've built an international reputation for world-class research and exceptional teaching quality. In fact, employers have ranked our graduates as some of the most career-ready in the world for nine years in a row.

We're in the top two per cent of universities worldwide and we're aiming higher every day.

With an international network of campuses and regional learning centres, the University of Wollongong, together with our partners, makes a strong and connected presence in our communities.

Building on this network of campuses, the University of Wollongong has established the South Western Sydney Campus at Liverpool, to provide world-class educational opportunities for the people of Liverpool and the Great South West.

The new campus, which opened in February 2017, provides greater choice for those who would prefer to study close to home and will contribute substantially to addressing the issue of a major outward flow of students from the area (more than 7,000 students per year), which has significant economic and social implications for Liverpool.

It will also address burgeoning demand for nursing education and training in South Western Sydney with the establishment of a Western Sydney Nursing Education and Research Centre (WeSNER).

Offering undergraduate and postgraduate degrees that meet the future demands of the Great South West and beyond, the South Western Sydney Campus is currently operating from an interim facility at the Liverpool City Council building, before a long-term campus is expected to be open for the 2020 academic year. UOW is working in close partnership with Liverpool City Council to secure its longer term facilities.

The presence of a significant university facility will strengthen and further diversify Liverpool's regional city role and strengthen its position as the major hub for higher-order services and facilities for South Western Sydney.

The Great South West: a region taking off



Liverpool's population and its opportunities for growth are booming. Yet, higher education needs in the region have been underserved, with no major university campus.

Until now.

The University of Wollongong's new South Western Sydney Campus at Liverpool will ensure that people living in the Great South West are given the best chance to further their education, with a world-class university close to home.

The new campus represents a major, long-term commitment by the University to the Liverpool region. With a vision to create a bustling, contemporary city campus home to over 7,000 students by 2030, the campus will generate a significant number of new jobs and contribute to the activation of the city centre.

As the capital of the Great South West, Liverpool is strategically located in one of the largest and fastest growing urban areas in Australia. Liverpool is the focus of an unprecedented investment boom driven by all levels of government and the private sector with Liverpool receiving more investment in infrastructure than any other city in Australia. This investment is responding to, and further driving, rapid population and economic growth that will see more than 1 million residents living in the Great South West by 2031.

The University of Wollongong is committed to contributing to the growth of this rapidly expanding area of metropolitan Sydney. That is why we are proud to establish the South Western Sydney Campus – a community of learning – to help drive Liverpool's economy and empower graduates from the area to achieve the highest employment outcomes and to be ready for the future demands of the region.

With the first international airport to be built in Australia in more than 50 years at Badgerys Creek, the Great South West is going to continue to boom. It is estimated that Badgerys Creek will eventually support an additional 15,800 to 20,656 full time jobs in the Liverpool area and will be responsible for up to an \$11.5 billion increase in the region's output.

Local graduates will need to be ready to embrace the opportunities that come with the Western Sydney Airport and the University of Wollongong is well placed to help them achieve this.

A commitment to health in the region



WESTERN SYDNEY NURSING SCHOOL

As part of the University of Wollongong's vision for the South Western Sydney Campus, the University is planning to open a School of Nursing to train the next generation of nurses and encourage nurses to study, train and work in the Liverpool area.

The Western Sydney Nursing Education and Research Centre (WeSNER) is important in meeting the increasing demand for nurses due to population growth, an ageing population and an increasing incidence of chronic diseases. A focus on nursing is also consistent with school leaver preferences for students in South Western Sydney, with nursing ranking in the top three.

The proximity of WeSNER to Liverpool Hospital, the largest stand-alone hospital in Australia, and other quality healthcare facilities, provides an opportunity to contribute substantially to the growing Health and Education precinct within Liverpool. About 30 per cent of current employment in Liverpool's city centre is within its broader Health and Education precinct, which has been identified by Liverpool City Council and the NSW Government as a key strategic asset and opportunity.

Liverpool Hospital and other high quality healthcare facilities in the region, present a great opportunity for placements for nursing students to enhance their practical learning and as a place to further their careers, helping to retain nurses within the region.

The University of Wollongong has earned a proud reputation for nursing education with the School of Nursing at the University's Wollongong campus successfully contributing to the excellence and efficiency of nursing education since 1991. The major new nursing training facility WeSNER, to be open for the start of the 2020 academic year (pending accreditation), will be of similar scale to the existing School of Nursing at Wollongong and is planned to accommodate around 700 nursing students.

The state-of-the-art nursing learning, teaching and research centre will focus on person-centred models of care and will showcase the latest in technology such as virtual environments to provide authentic learning experiences for students. A WeSNER Health Clinic is also planned to provide a broad range of person-centred health services to address the health needs of the Liverpool region. The proposed WeSNER Health Clinic will provide professionally supervised health services to the general public, while educating students in healthcare practices.

A growing partnership



The University of Wollongong is a leader in health research and education, and has close relationships with a number of medical institutions in the Great South West. This includes Liverpool Hospital, one of the largest teaching hospitals in the Southern Hemisphere, and the Ingham Institute for Applied Medical Research.

CONDUCTING VITAL CANCER RESEARCH

Researchers at the University of Wollongong are involved in a number of research projects in the Great South West looking at improving the way healthcare is delivered.

The research includes:

- A UOW-led research project working with Western Sydney Diabetes Prevention and Management Initiative and Diabetes NSW looking at improving the prevention of cardiovascular disease events in people with Type 2 diabetes. This is the first longitudinal study internationally of its kind.
- A University of Sydney-led partnership between UOW, Liverpool Hospital and the Prince of Wales Hospital in Eastern Sydney is investigating and developing innovative methods and devices for treating cancer patients, using a highly adaptable linear accelerator for medical radiation research. The research hopes to produce innovations in tumour targeting and new medical devices for dosimetry quality assurance for improved patient safety and improved cancer outcomes.
- A partnership between cancer research groups within South Western Sydney (including Liverpool Hospital and the Ingham Institute) and the Illawarra and Shoalhaven (including the University of Wollongong, Illawarra Health and Medical Research Institute and Wollongong Hospital) and ACT health districts to form CONCERT (Centre for Oncology Education and Research Translation) Translational Cancer Research Centre. A core CONCERT objective includes the facilitation of cross-disciplinary interactions and education of the next generation of clinicians and medical researchers. Ultimately, CONCERT offers an excellent opportunity to improve the way cancer clinical care is delivered by embedding systematic research into everyday practice, and through data and tissue collection that will facilitate long-term translational cancer research.
- A UOW-led partnership with the South Western Sydney Local Health District to improve the wellbeing of people with personality disorders and their families. Part of a wider statewide project, the Project Air Strategy for personality disorders has conducted extensive consultation with clinical health professionals and mental health, drug and alcohol service providers in the Great South West and has rolled out the program in Liverpool Hospital and other sites across the region. Project Air Strategy aims to enhance treatment options for people with personality disorder and promote a personality disorders-inclusive health service.



MRI-LINAC RESEARCH AT THE INGHAM INSTITUTE

The University of Wollongong has a long-standing research partnership with the Ingham Institute, Liverpool Hospital, University of Sydney and Stanford University looking at improving cancer treatment through real-time image guided adaptive radiotherapy.

The exciting research focuses on the development of an MRI-Linac which will combine an MRI scanner with a Linear accelerator for research into cancer therapy and treatment. This will be one of only three in the world.

Radiation therapy is used to treat 50 per cent of cancer patients in Australia. While radiation therapy aims to precisely target the cancerous cells and spare the surrounding healthy organs and tissues, organs or the tumour itself can move resulting in the radiation beams being off-target.

With the development of the MRI-Linac system the tumour will be able to be imaged as it is moving to ensure more precise and accurate treatment for cancer patients. MRI-Linac is expected to have a direct impact on the treatment, overall survival and quality of life for Australian cancer patients.

AUSTRALIA'S FIRST MEDICINAL CANNABIS TRIAL

Researchers at the University of Wollongong are partnering with clinical researchers at Liverpool Hospital as part of Australia's first medicinal cannabis trial to assess whether cannabis products can enhance the quality of life for adults with terminal cancer in the final stages of their life.

Working with UNSW and seven other institutions, the trial, announced by NSW Premier Mike Baird in July 2015, will assess whether two types of cannabis product, vaporised leaf cannabis and pharmaceutical, can improve appetite.

The trial will also examine whether the cannabis products can alleviate distressing symptoms including fatigue, low appetite, altered taste and smell for food, low mood, weight loss, nausea, insomnia and pain.

University of Wollongong researcher Associate Professor Nadia Solowij is a Chief Investigator also conducting related experimental trials at the Ingham Institute and Liverpool Hospital looking at acute and prolonged administration of different cannabinoids (compounds in cannabis plant matter). The aim is to examine the mechanisms by which some cannabinoids may be harmful to the brain, while others may have beneficial/neuroprotective properties.

IMPROVING AGED CARE NURSING

Researchers at the University of Wollongong are conducting a study to further develop gerontological nursing competencies in Australia. Partnering with five aged care providers who deliver residential care services to older people in the Great South West, the project aims to provide a much needed framework for registered nurses working with older people and their families in community and residential care settings.

The work is important because, to date, the available gerontological nursing competencies were developed in North America where the model of healthcare is very different to Australia.

As the ageing population continues to grow we need to find better ways to provide effective services to this group and their families. The outcome from this project will be a freely available online resource which aged care industry partners and individual registered nurses can use to develop aged care services, gerontological education programmes and nursing career pathways in community and residential care services for older people and their families.

The Gerontological Nursing Competencies resource will be made available at UOW on the Ageing and Dementia Health Research Education (ADHERE) website.

A focus on education



Professor Marc de Rosnay and Dr Cathrine Neilsen-Hewett: leading the way in early childhood research and education.

EARLY START: HELPING CHILDREN FLOURISH AND REALISE THEIR POTENTIAL

The University of Wollongong's flagship program Early Start is a unique combination of community outreach, education and research initiatives brought together under one roof with the aim of helping children realise their potential and live happy, fulfilling and healthy lives.

Early Start works closely with schools and early childhood education and care centres in the Great South West. Through this, research and programs are carried out to improve educational and social outcomes for young children in the region, particularly disadvantaged children.

Early Start is committed to long term partnerships with 41 early childhood education and care centres across NSW and the ACT, including a centre in Minto, to help inform and pioneer innovation in the early years and translate Early Start's research into practice.

Early Start is connecting children and educators in the Minto centre with resources, technology bundles and experiences they would otherwise find challenging to access.

Early Start also engages with an additional 18 early childhood education and care centres in the Great South West on a number of research projects. These centres contribute to Early Start's goal of delivering a responsive model of transdisciplinary research and engagement that addresses community needs, and builds an evidence base within the Australia context.

Already over 3,000 people and 17 schools and early education and care providers from the Great South West have visited the Early Start Discovery Space since it opened in mid-2015. The Early Start Discovery Space is a purpose-built, hands-on learning space that allows children, carers and educators to explore, create and play together. It's Australia's only children's museum, and the only one in the world on a university campus.

STUDENT PLACEMENTS AND INTERNSHIPS

The University of Wollongong has strong links with Liverpool and the Great South West with many students from a number of faculties undertaking placements and internships at partner organisations in the region.

These include:

- Around 330 nursing students, undertaking placement programs in local hospitals, mental health facilities, and aged care facilities across the Great South West region.
- Around 30 medical students from UOW's Graduate School of Medicine have undertaken placements in local hospitals in their final year of medical school and a further 50 graduating doctors have taken up internships at hospitals in the Great South West.
- Around 15 exercise science and rehabilitation students undertaking placements in hospitals, rehabilitation centres, and aged care facilities in the Great South West.
- Around 40 dietetics students undertaking placements in hospitals, aged care facilities, non-government organisations and community health facilities across the region.

Students from the School of Education undertake professional experience at around 20 partner schools providing approximately 150 placements in Liverpool and the Great South West area.

We also have a close partnership with Miller High School for a combined physical education dance program, with workshops conducted each year where Miller High School students teach their cultural dances to UOW students. Education students are also placed at Miller High School for professional experience and a number of graduate teachers now teach permanently or casually at the school.

Industry and innovation in the Great South West



From left: Associate Professor Stephen Wilson, Professor Pascal Perez, Dr Frances Phillips, Dr Clare Murphy, Dr Nam Huynh and Dr Jenny Fisher: leading a major study to help understand and manage air pollution in the Western Sydney region.

MAJOR PARTNERSHIP WITH GLOBAL LEADER DAIKIN

The University of Wollongong has signed a long-term agreement with Liverpool based multinational manufacturing company Daikin Australia. Part of Daikin Ltd, a global leader, innovator and supplier of air-conditioning, HVAC and air handling solutions for commercial and industrial applications, Daikin Australia is one of the largest manufacturing enterprises in the Liverpool region.

The agreement will include a range of research collaborations including the development of new products, enhancement of existing products and the extension of products to different applications.

Daikin will also host internships for business, ICT and engineering students from the University of Wollongong and provide other support to the University in the form of student prizes, guest lectureships and staff placements.

While Daikin Australia has had some interaction with universities in the past, this is the first time Daikin Australia has entered into a multi-dimensional, long-term relationship of this kind.

This is an exciting opportunity for the University of Wollongong as a partner with a highly innovative, market leading company with global reach.

IMPROVING AIR QUALITY IN SYDNEY'S WEST

The University of Wollongong is leading a major study to help understand and manage air pollution in Sydney's rapidly growing Western Sydney region.

The Western Air-Shed and Particulate Study for Sydney (WASPSS), which is part of the National Environmental Sciences Programme (NESP) Clean Air and Urban Landscapes Hub, was launched in 2015.

The UOW-led study will bring together experts from UOW's Centre for Atmospheric Chemistry (CAC), and UOW's SMART Infrastructure Facility (SMART), alongside teams from the University of Melbourne and the University of Western Australia to contribute to the understanding of the main drivers of poor air quality events within the Western Sydney region.

The negative health impacts of airborne particulates on urban populations are now well established. While the air quality in Australian cities is generally very good compared to many other parts of the world, Sydney experiences occasional poor air quality events that expose the population to heightened health risks.

The results of the studies, combined with modelling for various future air conditions and associated health impacts, aim to inform evidence-based and cost-effective policies to reduce the population's exposure to poor air quality.

A community of learning at Liverpool



UOW has found its newest home in Liverpool, providing the region's brightest minds with world-class education opportunities right on their doorstep. As Liverpool's first major university presence, UOW will help generate jobs, foster innovation and build skills to meet the demands of the city's growing workforce.

The University of Wollongong's new South Western Sydney Campus is located in the vibrant heart of Liverpool, providing access to employment opportunities, excellent public transport, and the city's surrounding facilities, services and public domain. The South Western Sydney Campus is planned to be relocated to a purpose-built long-term facility from 2020, where it is expected to be home to over 7,000 students by 2030. This means that students who currently travel outside of the region to other universities each day can study locally, keeping the brightest minds where they are needed – in the Great South West.

BECOME A PART OF SOMETHING BIGGER

While the University of Wollongong began in the Illawarra, proudly our reach is now global. UOW has become a truly international university with dedicated campuses in Dubai and Hong Kong, and further partnerships to deliver UOW courses in Malaysia and Singapore. Our partnerships also link our students with a further 160 overseas institutions, which means UOW South Western Sydney students can choose to study abroad during their degree. As a member of the University Global Partnership Network (UGPN), our academics and students collaborate with some of the world's top universities and work on issues of global importance.

ENSURING OUR STUDENTS' SUCCESS

At UOW, students gain much more than a degree. Our graduates are recognised as part of a group with an outstanding reputation for capability, quality and success in the global workplace. UOW has a range of programs to ensure that our students get the most out of their degree.

UOWx: UOWx is a program that connects students with more than 80 different types of paid and volunteer roles. These can include leading a student team, mentoring students, being a UOW ambassador or volunteering for a cause. The aim is to connect our students with opportunities in their local community. Each role will be recognised on the official UOWx Record to highlight these achievements to future employers. Find out more at uow.edu.au/uowx

START SMART: To help students transition into life as a university student, UOW provides an online course that gives them the key skills and information they need to succeed. The UOW StartSmart program will help students understand their responsibilities, find and evaluate relevant information to use in assessment tasks, and develop strong academic integrity practices. Learn more at getstarted.uow.edu.au/startsmart

Courses available at UOW's South Western Sydney Campus



At UOW's South Western Sydney campus, students can study a range of undergraduate, postgraduate or pathway programs. Each program offered reflects the needs of future employers, paving the way for a fulfilling career.

From 2018, UOW will be offering two Law double degrees. And from 2020, we will also be offering the highly regarded UOW Bachelor of Nursing, through the new Western Sydney Nursing Education and Research Centre (WeSNER).

UOW will also begin accepting applications from international students from 2018, meaning more people can study in Liverpool.

Liverpool is booming, and the opportunities in the city are increasing every year. Through UOW's South Western Sydney campus, people in the region will get the world-class education they need to make the most of these opportunities.

COURSE OFFERINGS FOR 2018

UNDERGRADUATE

- Bachelor of Arts (History)
- Bachelor of Arts (Sociology)
- Bachelor of Arts / Bachelor of Laws (new for 2018)*
- Bachelor of Business / Bachelor of Laws (new for 2018)*
- Bachelor of Business
- Bachelor of Business Information Systems
- Bachelor of Computer Science
- Bachelor of Information Technology

POSTGRADUATE

- Master of Health Leadership and Management
- Graduate Certificate in Health Leadership and Management

UOW COLLEGE

- University Access Program
- Diploma of Business
- Diploma of Information Technology
- Diploma of Legal Services

Learn more: uow.edu.au/swsydney

12th in the world

of universities under 50 years old¹

Top 2%

of universities in the world²

5-Star

for overall quality, student retention, learner engagement, learning resources, skill development, student support and teaching quality³

Top 1%

for graduates as rated by global employers⁴

Highest rated uni

in NSW⁵

Street Address:

33 Moore Street,
Liverpool, NSW, 2170

uow.edu.au

facebook.com/UOW

twitter.com/UOW

+61 2 4221 3555

[#ThisIsUOW](https://twitter.com/ThisIsUOW)



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

¹ QS Top 50 Under 50 Rankings 2016 ² 218th in the world - QS World University Rankings 2016/2017 ³ 2017 Good Universities Guide ⁴ QS World University Graduate Employability Rankings 2017 ⁵ Most star ratings in the Good Universities Guide 2017 and highest percentage across the key 12 categories in the Quality Indicators for Learning and Teaching (QILT) 2016

The University of Wollongong attempts to ensure the information contained in this publication is correct at the time of production (March 2017); however, sections may be amended without notice by the University in response to changing circumstances or for any other reason. Check with the University for any updated information.

UNIVERSITY OF WOLLONGONG CRICOS: 00102E