



## Capability Statement

# UOW in South Western Sydney

**South Western Sydney is one of the fastest growing urban areas in Australia, with Liverpool receiving more investment and infrastructure than any other city in Australia.**

The University of Wollongong (UOW) is committed to ensuring that the next generation of workers in the region are ready for the jobs and industries of the future. These include the established health and medical precinct and the opportunities provided by the new Western Sydney Airport at Badgerys Creek.

The establishment of UOW South Western Sydney reflects the shared vision and solid partnership with Liverpool City Council. The campus provides students with the opportunity to study at one of the world's best modern universities, with undergraduate and postgraduate degrees that meet the demands of the Great South West. These world-class education and training facilities enable local students to attend university close to home, and balance their study with work, family, and social life.

UOW's South Western Sydney campus was the first major university campus in Liverpool and builds on an already thriving relationship between UOW and the Great South West. Opened in February 2017, the Campus occupies four floors in the Liverpool City Council's Moore Street building. UOW is proud to partner with Liverpool City Council to ensure the region has the educational and training support it needs for its best and brightest to remain in the region.

UOW South Western Sydney provides an exceptional personalised educational experience across a range of undergraduate and postgraduate courses in areas such as: Business, Computer Science and Information Technology, Communications and Media, International Studies, Law, Nursing, and Social Work. We also offer a range of pathways and diploma courses through UOW College Australia (UOWCA).

UOWCA at Liverpool offers university preparation programs and Diploma and Certificate IV qualifications to provide entry pathways into a UOW degree or the workforce.

The Campus represents a long-term commitment by UOW to the Liverpool region and the vision is to create a contemporary city campus accommodating over 7,000 students by 2030. This will generate a significant number of new jobs and contribute to the activation of the city centre.

UOW South Western Sydney provides greater choice for people who prefer to study at home and enables residents to take advantage of future opportunities that come with the region's growth.

### COMMITMENT TO HEALTH

It has been forecast that there will be a shortfall of approximately 8,000 enrolled nurses and midwives in South Western Sydney by 2030. The booming population area, combined with the predicted shortfall of nursing staff, will place huge demands on the healthcare system.

UOW is committed to helping South Western Sydney address the shortage of nursing staff in the region through the delivery of exceptional education designed to meet local healthcare needs.

UOW has a proud reputation for nursing education, with a highly successful School of Nursing in Wollongong. The proximity of the South Western Sydney Campus 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 the broader health and education precinct, which has been identified by Liverpool City Council and the NSW Government as a key strategic asset and opportunity.

The highly regarded UOW Bachelor of Nursing began in 2019 and the Western Sydney Nursing Education and Research Centre (WeSNER) is now UOW's sixth nursing training facility. About 2,000 students are enrolled in nursing courses across UOW's nursing training facilities, with South Western Sydney to offer an additional 260 nursing places.

WeSNER provides a comprehensive education and research facility of a similar scale to the School of Nursing facilities at UOW's Wollongong Campus.

WeSNER's proximity to Liverpool Hospital and other quality healthcare facilities provides an opportunity for UOW to contribute to South Western Sydney's growing health and education precinct.

WeSNER is educating the next generation of nurses and encourage them to study, train and work in the Liverpool area.



## UOW is helping to create new jobs, build infrastructure, enhance service levels in hospitals, improve education results, and support regional innovation in South Western Sydney.

An important feature of this facility is that it is inclusive of its diverse population, tailoring nursing and healthcare education to local needs.

WeSNER is important in meeting the increasing demand for nurses due to population growth, an ageing population and an increasing incidence of chronic diseases.

### INDUSTRY AND INNOVATION

UOW is proud to partner with Liverpool City Council and local industry to support innovation in the region, and continues to develop strong networks in South Western Sydney through Liverpool Hospital, the Ingham Institute and multinational manufacturing company Daikin Australia.

UOW is in a long-term agreement with Daikin Australia, which includes research opportunities, product development, and internships for business and ICT and engineering students.

Many UOW students undertake placements and internships at partner organisations in South Western Sydney, including:

- More than 330 nursing students are undertaking placements in local hospitals, mental health facilities and aged-care facilities.
- About 30 medical students from UOW's School of Medicine have undertaken placements at local hospitals, and a further 50 graduating doctors have taken up internships at hospitals in the region.
- About 15 exercise science and rehabilitation students are undertaking placements in local hospitals, rehabilitation centres and aged-care facilities.
- More than 40 dietetics students are undertaking placements in local hospitals, aged-care facilities, non-government organisations and community health facilities.

- Students from the School of Education are undertaking professional experience at about 20 partner schools, providing more than 150 placements in the Great South West area.

In response to the COVID-19 pandemic, UOW College partnered with Sydney-based company BAMS Hygiene Management to deliver a course that focuses on hygiene and infection control in the workplace.

This training at UOW South Western Sydney includes the correct use of personal protective equipment. The course is able to be rolled out to other businesses and organisations in South Western Sydney and the Illawarra region to help ensure workplaces are able to prevent the spread of infection among employees.

### RESEARCH PARTNERSHIPS

UOW is strongly committed to driving positive change in communities through our partnerships.

Our researchers are actively working with the Western Sydney community on a range of important projects, including healthcare, youth mental health, urbanisation, and greenspaces.

UOW researchers are involved in a number of projects looking at improving the way healthcare is delivered. These include:

- Conducting vital cancer and cardiovascular research in partnership with Liverpool Hospital, Ingham Institute, University of Sydney, Prince of Wales Hospital, cancer research groups in the Illawarra and Shoalhaven (including the Illawarra Health and Medical Research Institute and Wollongong Hospital) and ACT health districts.
- A UOW-led research project working with Western Sydney Diabetes Prevention and Management Initiative and Diabetes NSW is looking at the prevention of cardiovascular disease in people with Type 2 Diabetes.
- MRI-Linac research at the Ingham Institute is looking at improving cancer treatment through real-time image guided adaptive radiotherapy.
- Australia's first medicinal cannabis trial – working with UNSW and seven other institutions and conducting trials at the Ingham Institute and Liverpool Hospital.

- Improving Aged-Care Nursing – partnering with five aged-care providers that deliver services in the region to develop a framework for registered nurses working with older people and their families.

Liverpool City Council's Smart Pedestrian Project, developed in collaboration with researchers from UOW's SMART Infrastructure Facility, was awarded Best Local Government Initiative at the 2018 Committee for Sydney Smart City Awards. The Smart Pedestrian Project is revolutionising urban design and traffic management in Liverpool. It uses a combination of CCTV, image recognition, Wi-Fi and LPWAN technologies to collect real-time volumes of pedestrian and vehicle traffic in the city centre, allowing the council to make informed planning decisions.

The Western Air-Shed and Particulate Study for Sydney is a major study led by UOW to help understand and manage air pollution in the region. The study brings together experts from UOW's Centre for Atmospheric Chemistry and UOW's SMART Infrastructure Facility, as well as teams from the University of Melbourne and University of Western Australia.

### **LIVERPOOL INNOVATION PRECINCT**

UOW is a foundation partner of the Liverpool Innovation Precinct (LIP), established in 2017.

The LIP is a strong collaboration between key organisations and institutions with a significant presence in Liverpool City Centre. These include UOW, Western Sydney University, University of NSW, TAFE NSW, Liverpool City Council, South Western Sydney Local Health District, Ingham Institute, and the Western Sydney Business Chamber.

Guided by the strategic plan *Reimagining ...the Liverpool, Health, Education, Research and Innovation Precinct*, this impactful and award-winning alliance has pursued a range of initiatives to leverage the substantial growth and development opportunities of Liverpool as recognised through various local, regional and metropolitan plans, including the Western City District Plan.

Anchored by the \$740M redevelopment and expansion of Liverpool Hospital and the adjacent Ingham Institute for Applied Medical Research, the Liverpool Innovation Precinct is a growing ecosystem where health, education and research are undertaken individually and collaboratively to drive innovation, investment and jobs.

It will enable the creation of partnerships between institutions, local businesses and global enterprises while nurturing new enterprise opportunities in areas such as healthcare robotics, advanced manufacturing and medical products.

### **'MULTIVERSITY' AT AEROTROPOLIS**

The NUW Alliance (the University of Newcastle, University of NSW and UOW) - together with Western Sydney University - have signed a Statement of Intent with the NSW Government

in to deliver a world-class higher education and research presence in Western Sydney.

The proposed 'Multiversity' is planned to specialise in STEM (science, technology, engineering and mathematics) and be part of the Western Sydney Aerotropolis precinct at Badgerys Creek.

By leveraging the expertise of the four institutions, students, employees and the wider community will have unparalleled access to innovative teaching and research. The four universities plan to create a 'Multiversity' campus with strong links to local industry, tailored vocational education and training, and STEM-focused schooling.

Amid challenges around the COVID-19 pandemic, the 'Multiversity' will be able to adapt to deliver education and programs in line with future student needs.

With a 24-hour international airport at its core, the Western Sydney Aerotropolis will be a thriving hub for education and leading industries including advanced manufacturing, aerospace, defence and agribusiness. The new institute will be a huge step towards the target of 200,000 new knowledge jobs for the Great South West.

The Western City & Aerotropolis Authority - established under the Western Sydney City Deal - is collaborating with industry and universities to develop an epicentre of advanced manufacturing, with an initial focus on space, aerospace and defence industries.

Stage One of the 'Multiversity' campus is planned to be open by 2026, the same time the new \$5.3 billion Commonwealth-funded airport is expected to be operational. International experience shows that these types of universities, such as the Massachusetts Institute of Technology in the United States, have a big impact on job creation.

### **SUPPORT FOR STUDENTS DURING PANDEMIC**

Students at UOW have been greatly impacted by the COVID-19 pandemic.

UOW is committed to helping our students through these challenging times. In April 2020, we introduced the Financial Assistance Grants Scheme. The scheme provides currently enrolled onshore domestic and international students most in need with the opportunity to access emergency funding (that does not have to be paid back) to ease some of the financial burden experienced as a result of COVID-19.

Grants are available for impacted onshore domestic and international students enrolled at any one of UOW's Australian-based campuses, including UOW College Australia. In Session 2, UOW extended a remote study bursary to all domestic and international full fee-paying students who are not enrolled in Commonwealth Supported Places. This will be a 10 per cent discount on course fees.

## **UOW WELCOMES THE OPPORTUNITY TO WORK WITH GOVERNMENT AND INDUSTRY PARTNERS TO DELIVER EXCEPTIONAL OUTCOMES**

### **CONTACT**

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