



MACQUARIE
University

Building a vibrant and sustainable campus

2019 MACQUARIE UNIVERSITY PROPERTY UPDATE



Projects showcased in this update bring to life Macquarie University's Campus Master Plan 2014 – that envisions how our campus remains relevant and vibrant, accommodates growth and new technology, and provides best practice teaching and learning well into the future.

Welcome

FROM THE VICE-CHANCELLOR

This is a very exciting time for Macquarie University amidst much change, as the vision for this remarkable campus continues to unfold.

Uniquely located in the heart of Australia's largest business and technology precinct, we're investing heavily in sustainable buildings, cutting-edge teaching and research facilities, and collaborating with industry partners around the globe.

Our unrivalled campus spans 126 hectares of open green space, just 15 km from the centre of Sydney. It provides the training ground for new generations where we encourage students to defy convention, break down barriers and explore the unexpected, while being part of a unique campus community.

I look forward to seeing our vision for Macquarie come to fruition.

Join me in reviewing what we've achieved and share my enthusiasm for the projects being rolled out over the next few years. 2020 will be a significant milestone, as we see three brand new, transformative projects completed and open for students, staff and visitors: the Arts Precinct, Clinical Education Building and the jewel in our crown, the Central Courtyard Precinct redevelopment (see pages 10-11).

Professor S Bruce Downton
VICE-CHANCELLOR



MUSE

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PHOTOS: Brett Boardman, Christiana Fiorini, Morris McLennan, Chris Stacey, Joanne Stephan, Jesse Taylor

COVER IMAGE: Arts Precinct (artist's impression)

The information in this document is correct at the date of publication, but the University reserves the right to vary or withdraw any general information without notice.

Transforming Macquarie University

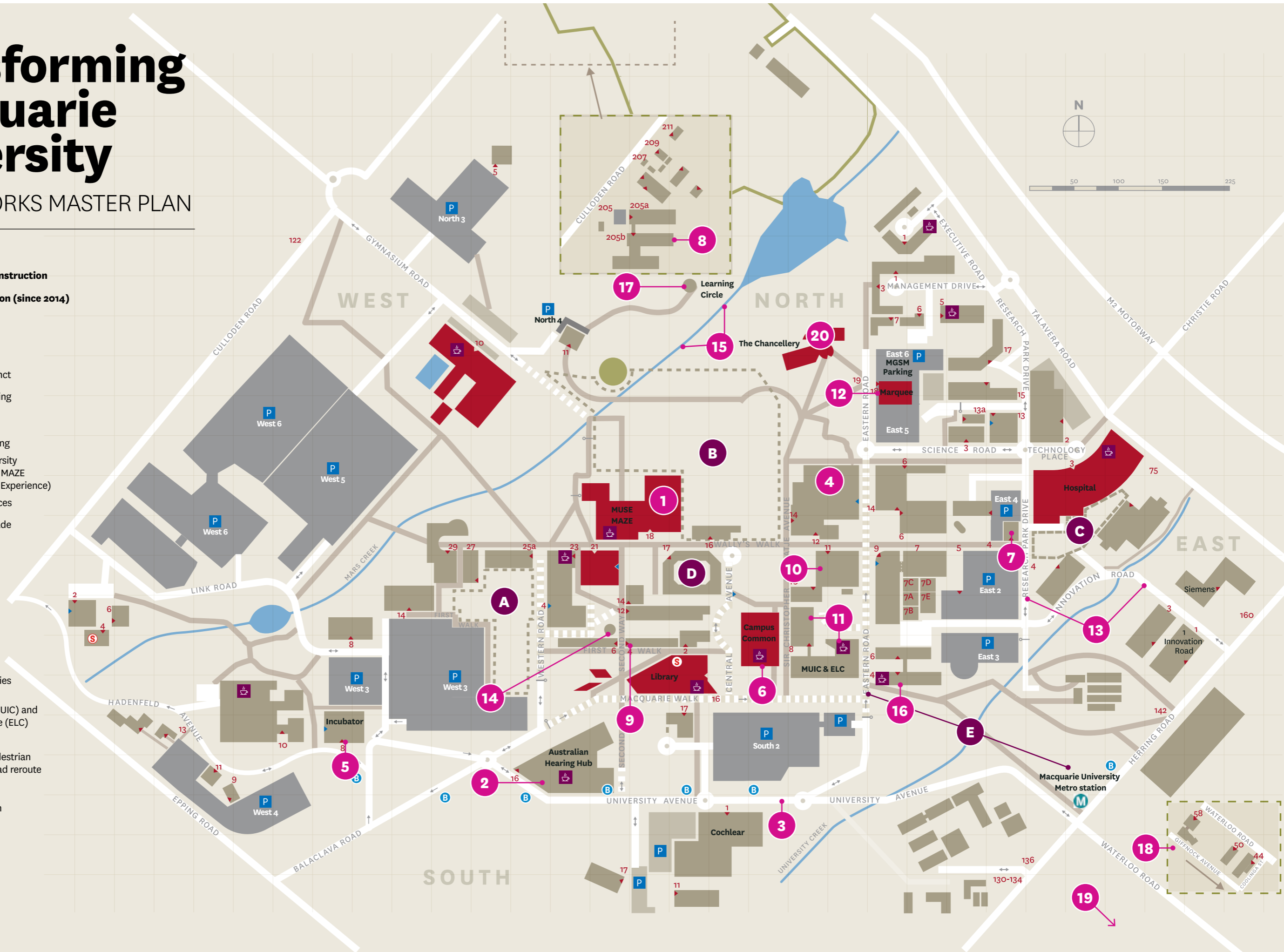
CAMPUS WORKS MASTER PLAN

KEY

- Current and future construction
- Completed construction (since 2014)

PROJECTS

- A** Arts Precinct
- B** Central Courtyard Precinct
- C** Clinical Education Building
- D** Michael Kirby Building Macquarie Law School
- E** Gateway and The Crossing
- 1** MUSE (Macquarie University Spatial Experience) and MAZE (Macquarie Active Zone Experience)
- 2** Faculty of Human Sciences
- 3** University Avenue upgrade
- 4** Mitchell Building
- 5** The Incubator
- 6** Campus Common
- 7** Molecular Sciences
- 8** Biological Sciences Research Building
- 9** Student Services Centre
- 10** EPS Research Laboratories
- 11** Macquarie University International College (MUIC) and English Language Centre (ELC)
- 12** The Marquee
- 13** Research Park Drive pedestrian zone and Innovation Road reroute
- 14** Walanga Muru Pavilion
- 15** Mars Creek regeneration
- 16** Finance Decision Lab
- 17** Learning Circle
- 18** Waterloo Road
- 19** City Campus
- 20** The Chancellery





Campus Common



Mitchell Building

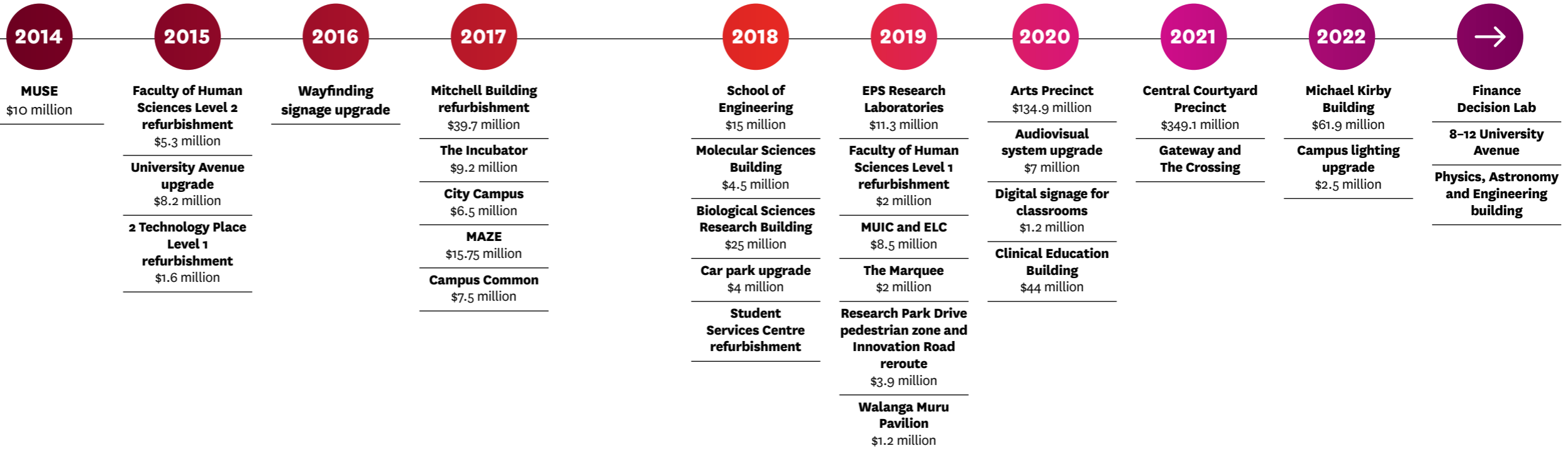


Aerial view of developed campus (artist's impression)

Project timeline

2014–2022

“Developing a vibrant and sustainable campus, clearly at the centre of a rapidly changing neighbourhood in the international, cosmopolitan city of Sydney.”
 Our University: A Framing of Futures



Projects

The places we've built – and are building – reflect the diverse and dynamic people who use them. As well as providing exceptional places to work and study, our new and refurbished buildings and spaces also set a benchmark in cutting-edge, sustainable design, like The Incubator – which has received numerous accolades.



AWARD WINNER: THE INCUBATOR

World Architecture News Awards Highly Commended Wood in Architecture

Australian Institute of Architects National Award for Educational Architecture

The Chicago Athenaeum Museum of Architecture and Design International Architecture Award

Architecture & Design Sustainability Awards Sustainability Award, Education and Research

Australian Institute of Architects (NSW) William E Kemp Award for Educational Architecture and Sustainable Architecture, Commendation

Learning Environments Australasia Excellence in Educational Facilities Awards, Overall Winner; and Excellence in Educational Facilities Awards, Category 2, New Construction/New Individual Facility over \$8m

Good Design Awards® Architectural Design

INDE.Awards The Learning Space

Property Council of Australia Innovation and Excellence Awards Project Innovation, Finalist

Chicago Athenaeum, Green GOOD DESIGN Awards Research and Technology

Association of Consulting Structural Engineers NSW Medium Building Projects Award



Arts Precinct (artist's impression)



Central Courtyard Precinct (artist's impression)

Current projects

A ARTS PRECINCT

Construction of the new Faculty of Arts precinct – comprising two refurbished structures and one new structure, a total of 17,000m² – is well underway with progress becoming more visible as the development takes shape. A new building that showcases the ambitions of the faculty will have formal event spaces, seminar rooms and a museum, and it will connect to the other refurbished and upgraded buildings across a covered atrium via the ground floor plaza and internal bridges on the upper floors. Teaching, academic and function spaces will highlight the faculty's ongoing work, research and achievements. Construction commenced in July 2018 with occupation expected in early 2020.

B CENTRAL COURTYARD PRECINCT

The University's most comprehensive redevelopment project for decades, the Central Courtyard Precinct (Stage 1) will deliver more than 68,000m² across a total of four new and reimagined buildings placed around open-air, grassed and paved courtyards. The new precinct will feature a modern graduation hall and

function area; a new home for the iconic Ubar; a terrace overlooking the expansive grounds and lake; state-of-the-art teaching, learning and breakout areas; and a new on-campus student accommodation that will provide 341 beds in the first stage – a first for Macquarie. The precinct will also offer retail and food outlets, giving wider choice to a growing student community. Works commenced on the Central Courtyard in May 2019 with completion of the first stage due in 2020.

C CLINICAL EDUCATION BUILDING

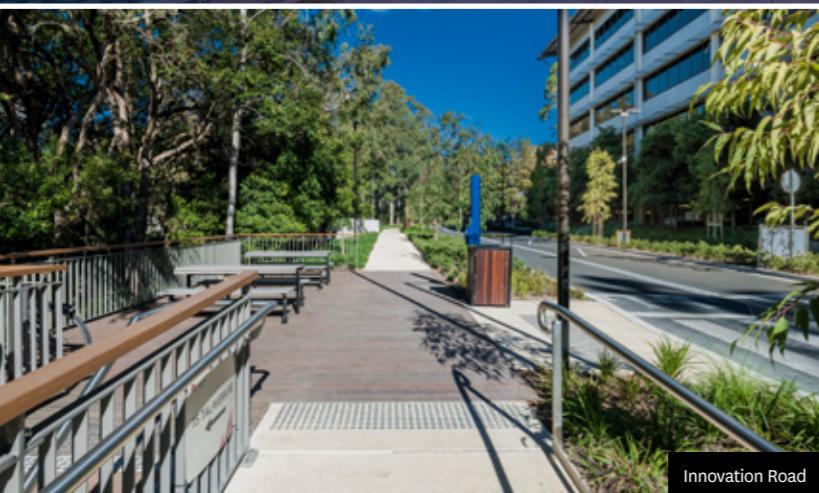
A new teaching and learning building for the Faculty of Medicine and Health Sciences is being built between Macquarie University Hospital and 75 Talavera Road. Scheduled to open in early 2020, the four-level, 3400m², timber-and-glass facade building will be surrounded by large landscaped and paved areas connecting pedestrians to Wally's Walk on the west side and to Innovation Road on the east side. Interior spaces will be dedicated to Harvard-style lecture theatres and interactive tutorial and study spaces.



Clinical Education Building (artist's impression)



Mitchell Building



Innovation Road



University Avenue upgrade



The Incubator

Completed projects

3 UNIVERSITY AVENUE UPGRADE

This much-needed upgrade reduced vehicle speed and improved through traffic safety to a busy campus thoroughfare. Completed in 2015, University Avenue now has three public bus stops and handles more than 2000 vehicles per day.

4 MITCHELL BUILDING 12 Wally's Walk

Representing the University's biggest refurbishment project of 2017, a covered atrium was built connecting two buildings and allowing abundant natural light through the majestic multilevel glass facade bordering large, open plan student breakout areas. The project included a total refurbishment of two of the original buildings on campus and delivered new work, meeting and collaboration spaces for the Department of Earth and Planetary Sciences, and the Department of Mathematics and Statistics under the Faculty of Science and Engineering.

5 THE INCUBATOR 8 Hadenfeld Avenue

Our iconic Incubator building is a vibrant and accessible space for students, researchers, staff, entrepreneurs and start-ups to work on research or ideas that can be

commercialised. The sustainably designed building consists of linked, naturally ventilated pavilions that accommodate functional, flexible and connected spaces that respond to the building's needs. Constructed almost entirely from responsibly sourced timber that was prefabricated offsite into modular components, the Incubator project benefited from a fast construction time and minimal localised disruption, and it maximised the efficient use of materials by reducing waste.

13 RESEARCH PARK DRIVE PEDESTRIAN ZONE AND INNOVATION ROAD REROUTE

Delivered in March 2019, this project revitalised a busy area at the eastern end of campus by creating a shared public zone. Quality materials were used for the road, footpaths and landscaping with a paved section highlighting the pedestrian thoroughfare. The nearby Clinical Education Building development provided the opportunity to further upgrade and enhance the pedestrian experience by rerouting Innovation Road, with installation of breakout seating areas and observation decks overlooking one of the University's creeks.



The Crossing (artist's impression)



Gateway (artist's impression)



Michael Kirby Building exterior (artist's impression)



Michael Kirby Building interior (artist's impression)

Future projects

D MICHAEL KIRBY BUILDING, MACQUARIE LAW SCHOOL 17 Wally's Walk

The University has designed a new purpose-built Law School on campus with construction due to start in early 2021. The building will be named after former Macquarie Chancellor, The Hon Michael Kirby AC CMG, in recognition of his contribution and achievements in Australia and internationally in law and human rights. The building will provide unparalleled facilities for contemporary modes of learning and teaching.

E GATEWAY AND THE CROSSING

A pedestrian bridge will create a strong experiential approach and direct connection between the University's Metro train station, the Macquarie Centre shopping complex and nearby bus interchange. The walkway will reflect the landscape and allow a pleasant transition from the structured outside into the campus environment. Additionally, it will provide both flood mitigation and a water quality improvement initiative to comply with the 2009 Concept Plan approved by the Department of Planning, Industry and Environment.

Spaces

Everyone – staff, students, researchers and industry reps alike – needs a space to reflect, research, relax and recharge. With purpose-built spaces for work, study and socialising, our campus shows what's possible when only the best in architecture and design is good enough.



AWARD WINNER: MAZE

Designed by Architectus, the student-named hub MAZE is a testament to the University's commitment to creating student-centred spaces that not only look good but also allow for enhanced collaboration. MAZE received the 2018 Gold Award (Education Services) at the Design Institute of Australia's Good Design Awards.

Spaces



City Campus



MUIC and ELC



MAZE



Finance Decision Lab



School of Engineering



MUSE

Teaching spaces

11 MACQUARIE UNIVERSITY INTERNATIONAL COLLEGE (MUIC) AND ENGLISH LANGUAGE CENTRE (ELC) 8 Sir Christopher Ondaatje Avenue

As part of Macquarie’s commitment to keeping pace with changing student needs and teaching methods, we collaborate to deliver spaces that inspire transformative learning. New teaching spaces have reinvigorated the home of MUIC and the ELC. Operable wall panels and state-of-the-art audiovisual technology are standard in each light-filled classroom.

16 FINANCE DECISION LAB 4 Eastern Road

Macquarie Business School’s collaborative space merges real-time financial data, global business intelligence and students’ analytical contributions. The 36-seat Finance Decision Lab gives an insider view of how markets operate and a hands-on experience of financial decision making, and offers students industry engagement from a position of knowledge.

18 SCHOOL OF ENGINEERING 44 Waterloo Road, Macquarie Park

An adaptive reuse of an old warehouse, this teaching and hands-on learning facility is in the heart of Macquarie Park Innovation District (MPID). Our close proximity to, and collaboration with businesses in, MPID means that we aim to become a globally recognised centre for innovation and high-growth start-ups. Engineering students have the space to create robots in high-tech classrooms that provide optimum surroundings to apply practical skills in their chosen discipline.

19 CITY CAMPUS Angel Place, Sydney CBD

Centrally located at 123 Pitt Street, Macquarie’s City Campus is our purpose-built educational facility that delivers a premium postgraduate experience right in the heart of the Sydney CBD. The campus has been designed around the latest innovation in learning and teaching technology.

Study spaces

1 MUSE Level 2, 18 Wally’s Walk

MUSE (Macquarie University Spatial Experience) is a custom-designed social learning space to give students a place where the boisterous, social atmosphere of MAZE meets the quieter, study-focused experience of a library. The result is an experimental middle ground – room for individual study to coexist with group work.

MUSE is also home to Student Connect, the front end for student administration and coursework enquiries. The area is fitted with self-help terminals and a staffed information counter for student enquiries.

1 MAZE Level 3, 18 Wally’s Walk

The student-named MAZE (Macquarie Active Zone Experience) is a testament to Macquarie’s commitment to creating student-centred spaces that not only look good but also allow for enhanced collaboration between students in areas created with their needs and preferences in mind. Opened in 2017, MAZE was launched as a new hub for student clubs and societies, and the new home of the Campus Engagement team, the Accommodation Office and the Co-op Bookstore.

11 MACQUARIE UNIVERSITY INTERNATIONAL COLLEGE (MUIC) AND ENGLISH LANGUAGE CENTRE (ELC) 8 Sir Christopher Ondaatje Avenue

Staff from Macquarie International and the English Learning Centre requested furniture, paint colours and design features to reflect the college’s vibrant and engaging approach while at the same time giving students easy access to power outlets and quiet spaces. They are delighted by the design and students clearly agree as the new spaces have been well patronised since reopening in April 2019.

Spaces



Faculty of Human Sciences



Campus Common



The Marquee



Walanga Muru Pavilion



MUIC and ELC



Learning Circle

Faculty spaces

2 FACULTY OF HUMAN SCIENCES
16 University Avenue

Level 1 was refurbished and reconfigured for more efficient use of space, including a mix of collaborative areas and offices. World-class hearing test booths were built using the latest acoustic, ventilation and inter-booth communication technology and materials to ensure that the faculty's infrastructure meets its core goals to improve interdisciplinary research, and staff growth in hearing, communication and cognition.

Level 2 was refurbished to feature breakout and collaboration areas in strategic decant spaces designed to temporarily accommodate departments or teams that have vacated their premises for renovation or relocation purposes.

On Level 5, the Dean's suite was built to consolidate and accommodate faculty staff that relocated to free up space in another building. The Dean's office and reception areas were custom designed and take advantage of the natural light in the building.

11 MACQUARIE UNIVERSITY INTERNATIONAL COLLEGE (MUIC) AND ENGLISH LANGUAGE CENTRE (ELC) 8 Sir Christopher Ondaatje Avenue

Most faculty rooms, including a courtyard and bathroom facilities, were overhauled and upgraded to reflect modern, user-friendly and functional areas across two buildings and several floors. Teaching, administration, faculty library, breakout and social spaces are interspersed across both the International College and the English Learning Centre areas.

Social and cultural spaces

6 CAMPUS COMMON 12 Macquarie Walk

The Campus Common is a temporary central hub for students and staff to socialise, relax, eat or have a drink at the Ubar – in the courtyard or under cover. As an interim and innovative solution while the Central Courtyard Precinct is redeveloped, the Campus Common uses converted shipping containers as food and beverage retailer outlets.

12 THE MARQUEE 18 Eastern Road

The Graduation Marquee is an elegant supplementary venue, purpose built to host post-graduation events, exams, seminars and other University and public events. The marquee is fully air-conditioned and fitted with a permanent ramp and stairs, and has bathrooms and catering facilities. It opened in April 2019.

14 WALANGA MURU PAVILION beside 6 First Walk

The University created this pavilion as a functional and beautiful gathering place for Aboriginal and Torres Strait Islander students, staff and visitors. Large enough to host formal gatherings and small enough to ensure a sense of togetherness, the pavilion is a welcoming space for locals and those who are far from home. It opened in mid-2019.

17 LEARNING CIRCLE Lakeside

Launched in 2014, Macquarie's Learning Circle honours a longstanding relationship with the Darug people – the traditional occupants of the land on which the University is built. Located near the campus lake, the Learning Circle is a special cultural place for students, staff and the local community to come together to talk, listen and discuss the business of life.

Facilities

Facilities are what differentiate a university's use of space from other work and study places. Our students and staff do their best when the environment is tailored to suit their unique needs in researching, studying, teaching and learning. A new Graduation Hall will be an important part of the Central Courtyard Precinct redevelopment. Designed to honour tradition while incorporating a contemporary feel, the space will be a wonderful backdrop as students celebrate their success.

Mark Broomfield
DIRECTOR OF PROPERTY AND SUSTAINABILITY



Facilities



Biological Sciences Research Building



Chancellery Council Room



Deputy Vice-Chancellor (Engagement), Finance and IT projects offices



Molecular Sciences Building



EPS Research Laboratories



Student Services Centre

Research facilities

7 MOLECULAR SCIENCES 2 Wally's Walk

The new building for the Faculty of Science and Engineering's Department of Molecular Sciences houses custom labs that enhance opportunities for world-class research in synthetic chemistry.

8 BIOLOGICAL SCIENCES RESEARCH BUILDING 205B Culloden Road

Following a research grant, this complex project had early commitment from the University to design, develop and build the Biological Sciences Research Building in a short time frame of a few years. The project relied on collaboration across the University to support an innovative approach, resulting in a robust, exciting biological sciences research and office facility for the Faculty of Science and Engineering.

10 EPS RESEARCH LABORATORIES 11 Wally's Walk

This building has seen upgrades to other floors, excluding the basement area. The Faculty of Science and Engineering sought to bring Level 0 in line with the rest of the building and allow it to appropriately serve current and future teaching requirements, which it now does.

Offices

9 STUDENT SERVICES CENTRE 4 First Walk

By upgrading an original layout to increase light into previously dark corridors, staff can now enjoy significantly improved workspaces. Not only has natural light been optimised in offices and meeting rooms, but it also reaches the central hallway, helped by vertical wooden slats and glass panels that replace walls. Light-reflecting materials, bright furniture and natural wood finishes work well with the pale carpets to achieve brighter, modernised Student Services offices for the Faculty of Human Sciences.

18 DEPUTY VICE-CHANCELLOR (ENGAGEMENT), FINANCE AND IT PROJECTS OFFICES 58 Waterloo Road, Macquarie Park

To allow space for on-campus faculties needing to expand rapidly, several office departments relocated off campus to nearby 58 Waterloo Road in the heart of the Macquarie Park Innovation District – a good fit for many Deputy Vice-Chancellor (Engagement) activities. Office, kitchen and other modifications were made to accommodate the University staff and teams, including opening a café on the ground floor.

20 CHANCELLERY COUNCIL ROOM 19 Eastern Road

The Chancellery Council Room is used regularly for University Council meetings as well as to host corporate visitors, international delegations and dignitaries. The impressive wooden ceiling feature and wall panels create a beautiful, modern space.



Gymnasium Road student accommodation (artist's impression)

Student accommodation

B GYMNASIUM ROAD Central Courtyard Precinct (stage one)

The University has made a conscious decision to relocate student accommodation from the perimeter to the heart of the campus, moving away from the trend of most universities in Australia. By building two new student residential towers – with about 341 beds and adjoining large courtyard areas – as part of the Central Courtyard Precinct, student life will be at the centre of campus life. More residential towers are planned for the precinct in the future.

The 11,500m² design caters for contemporary student study and living needs, and includes ancillary and function spaces. Given the proximity to Central Courtyard buildings and to plaza-facing retail areas, the student accommodation is set to encourage night-time and student use of the new development.



Mars Creek

The natural environment

15 MARS CREEK REGENERATION

Rehabilitating a section of Mars Creek is included in the Central Courtyard Precinct project scope and will bring a section of the creek back to the surface. In the 1960s, a portion of the creek was diverted underground and currently flows under Gymnasium Road through a stormwater pipe and re-emerges as it joins the iconic Macquarie University lake. Called 'daylighting', the restoration will create a new, naturalised surface channel through part of the original creek bed and, in doing so, will reinstate the riparian zone (landscaped area through which the creek flows).

The benefits of the combined water catchment and creek rehabilitation strategy include an improved amenity for the University community; flood mitigation, both on-campus and to the downstream flows in the Lane Cove River (Sydney Harbour); and water purification and pollution control.



MACQUARIE
University



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