

SCIENCE AND GRADUATE SCHOOL OF HEALTH BUILDING MEDIA FACT SHEET



ABOUT THE BUILDING

A cornerstone of the \$1 billion UTS Campus Master Plan, the landmark building was designed by Durbach Block Jagers, in association with BVN Architecture. Located on the corner of Thomas and Jones streets in the heart of the City Campus, the new Science and Graduate School of Health Building (Building 7) connects seamlessly to Building 4 to create a new science and health teaching, learning and research precinct.

It has been future-proofed to accommodate more than 1200 staff and students over eight occupied levels, three of them underground, and is notable for its state-of-the-art teaching, learning and research facilities.

Overlooking the reimagined Alumni Green, the building also provides easy access to Buildings 1, 2 and 10, as well as the new Faculty of Engineering and IT (Building 11) on Broadway and the underground Library Retrieval System.

The building has achieved a five-star Green Star Design rating, and its sustainability features include a roof garden, a 27,000-litre rainwater tank and a façade comprising mainly recycled material.

KEY FEATURES: DESIGN

Façade

The building's external design reflects its physical surrounds – overlooking a revitalised Alumni Green – with the undulating façade inspired by the organic forms of a tree grove. The façade will have a rendered finish comprised of approximately 85% recycled material with rows of split level windows covering the curved surface.

Mosaic masterpiece

Thousands of small, pastel mosaic tiles – enough to cover 920m² – were sourced from Spain for the walls around the building's main staircase and the light well to the Super Lab. The effect is one of air and space, even below ground.

Green roof

Level 7's roof-top garden will not only serve as a research space but provide a range of environmental benefits including insulation (to reduce heating and cooling demand in the building) and stormwater management. It will also promote biodiversity in a city environment.

Rainwater tank

A 27,000-litre rainwater tank, located under the vehicle ramp to the Building 1 car park, will capture and recycle water for non-potable uses such as flushing toilets and irrigation. An adjacent 57,600-litre tank will provide recycled stormwater for approximately 85% of Alumni Green's irrigation demand.

Connection to Building 4

Buildings 4 and 7 will be seamlessly connected via a series of walkways on levels 4-7, creating the new Science and Health 'precinct'.

KEY FEATURES: TEACHING, LEARNING & RESEARCH

Super Lab

Level 1 will be home to a state-of-the-art teaching, learning and research facility which will be one of only two in Australia when the building opens. Spanning the entire floor (52 metres from end-to-end) and with capacity for 200 students, the Super Lab will be able to run up to five classes from different disciplines simultaneously.

The lab will consist of 25 workbenches, sitting eight students, who will each have a headset and their own monitor. There will be demonstration stations at every second bench to ensure students are closely connected to their demonstrators. There are also breakout spaces throughout the building, some equipped with smart boards. These spaces will also be available for group discussions and student presentations.

Laboratories

A number of specialist science labs will feature the latest technology, while generic, dry lab facilities will provide schools with maximum flexibility. The main specialist labs include:

- Vacuum Lab (level 0)
- Crime Scene Lab (level 0)
- Clean Room (level 0)
- Imaging Suite (level 0)
- Super Lab (level 1)

Auditorium

A tiered auditorium, seating approximately 200 students and located on level 2, will facilitate multiple forms of engagement including lecture presentations, group work and technology-enabled activities.

Student commons

These informal learning spaces, located on level 1 and level 3 (adjacent to the café) will be used for individual and group study as well as for socialising.

SOCIAL SPACES

Café

A café on level 3 near the corner of Jones and Thomas St will open out onto a revitalised and expanded Alumni Green.

SUSTAINABILITY

UTS has achieved a five-star Green Star Design rating from the Green Building Council of Australia for the Science and Graduate School of Health Building. The building's design incorporates sustainable features on the inside and out, including:

- A 'green roof' will not only serve as a research and learning space but provide a range of environmental benefits including insulation (to reduce heating and cooling demand in the building) and stormwater management. It will also promote biodiversity in a city environment.
- Roof-mounted solar panels will generate some of the hot water required for the building.
- A 27,000-litre rainwater tank, located under the vehicle ramp to the Building 1 car park, will capture and recycle water for non-potable uses such as flushing toilets and irrigation. An adjacent 57,600-litre tank will provide recycled stormwater for approximately 85% of Alumni Green's irrigation demand.
- The building's façade, manufactured by the Sto Group in Germany, will comprise approximately 85% recycled material.
- Extensive use of light wells and skylights will maximise natural light throughout the building, reducing energy consumption due to artificial lighting.

KEY FACTS

Name

Science and Graduate School of Health
Building 7

Architect

Durbach Block Jagers in association with BVN
Architecture

Main works contractor

Richard Crookes Construction

Location

City campus, on the corner of Thomas St and
Jones St

Size

Gross building area: 13,800m²
Total usable floor area: 8,900m²

Capacity

Maximum population: approx. 1,240
Staff: approx. 330
Students: approx. 900

Parking

Staff and student are encouraged to use the
new car and bicycle parking facilities in the
nearby Broadway Building, Building 10 and in
the Multi-Purpose Sports Hall

Environmental Rating

UTS has achieved a five-star Green Star De-
sign rating from the Green Building Council of
Australia

Project completion

October 2014

Staff relocation

October-November 2014

Opening

Semester 1, 2015 (February 2015)

Master Plan

The building forms part of the City Campus
Master Plan, a \$1 billion reinvention of the Uni-
versity of Technology, Sydney's
City campus

KEY MILESTONES

2011: Design competition

2012: Excavation

2013: Construction

March 2014: Structure complete

July 2014: Façade complete

October 2014: Project completion

February 2015: Teaching starts (Semester 1)

LAYOUT

The building will span eight levels in the following configuration:

Level 0: Vacuum Lab, Crime Scene Lab, Imaging Lab, Clean Room

Level 1: Super Lab, informal student lounge

Level 2: Auditorium, Health Professional Teaching (HPT) spaces

Level 3 (ground): Reception (main entry), café, student commons, HPT space

Level 4: Graduate School of Health (GSH) offices and workstations, generic lab, collaborative staff lounge and kitchen, post-grad lounge, meeting rooms

Level 5: Faculty of Science offices and workstations, mathematics and physics labs, collaborative staff lounge and kitchen, meeting rooms

Level 6: Faculty of Science offices and workstations, specialist labs, collaborative staff lounge and kitchen, meeting rooms

Level 7: Dean's office, collaborative staff lounge and kitchen, boardroom, meeting rooms

Level 8: Plant room, research tank and store, tree research area