ABOUT THE BUILDING

A cornerstone of the $1 billion UTS Campus Master Plan, the landmark building was designed by Durbach Block Jaggers, 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 Jaggers 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 Design 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 University 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