

SAINT JOHN PAUL II BUILDING



The John Paul II Building is an award winning learning and research building on ACU's Brisbane Campus.

The John Paul II Building is a 3-storey building of 5,350m². The building is home to learning spaces for speech pathology, occupational therapy and other allied health services, and a student centre on the ground floor.

In 2015, the building was awarded a national Master Builders Award for in the National Public Buildings Award (\$10m - \$50m)

Building Sustainability Features

Energy

- The building's common areas have a central exhaust system to provide air movement and openable windows for natural ventilation
- Variable air-flow air-conditioning systems so that the energy used for air-conditioning varies with the demand for air-conditioning, rather than operate at either 100%, or not at all, like a conventional system
- Automatic shut-down of systems when not in use into a relaxed low energy use mode or turned off
- Zoned lighting and motion detection allows areas not in use to be turned off
- Excess air-conditioned air is spilled into the gallery and hub areas to provide cooling and removed the need for more air-conditioning systems and energy

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Water

- Rainwater is collected for flushing of toilets and garden irrigation
- Water efficient taps, toilets and urinals to reduce potable water consumption

Health and wellbeing

- Carbon dioxide monitoring is provided within high occupancy spaces to adjust outside air based on demand and to minimise energy use from cooling excessive outside air
- External views are provided to more than 90% of the usable floor space
- The use of paints, adhesives, sealants, internal materials, furniture and finishes that minimise the emission of volatile organic compounds and formaldehyde
- The ventilation system purges itself at night to expel built-up contaminants
- Sun-shading, double glazing and blinds to reduce occupants' perceived heat load and glare
- Lighting is designed to minimise flicker

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