



UNSW
SYDNEY

Australia's
Global
University

Bachelor of Computational Design

One-year degree option

Apply latest digital technologies to design data-driven, parametric spaces.

Advancements in 3D modelling using Grasshopper or Python, digital or robot fabrication and AR / VR technologies have created a demand for designers who can use these technologies to produce and demonstrate technical and aesthetic solutions to the present challenges in the built environment.

EMERGES OF
THE FUTURE

Bachelor of Computational Design

One-year degree option

This program allows students who have completed a related degree to undertake the Bachelor of Computational Design within 1 calendar year*

Duration 1 calendar year*	Intakes T1 (February)	Mode Face to face
Application see How to Apply below	UAC Code 423100	Program Code 3268

The program structure includes nine core courses, one discipline specific elective course and a graduation project.

* 1 calendar year includes 3 UNSW terms with an additional Summer Term. Students with an undergraduate degree from another institution will need to study an extra term, extending the duration to 1.4 years. In these course you will gain a proficiency level in Grasshopper and Python, be able to operate and program a robot arm, understand the thinking that drives computational design and can combine your background knowledge with newly gained skills in Computational Design.

The Graduation Project

During the final term of study, you will be exposed to working on real-life projects set by industry partners such as Cox, Arup, Hassell, BVN, Bates Smart, PTW Architects, Grimshaw etc. to design a solution for a "real-world" problem.

Students will produce a final thesis outcome in form of a conference paper style submission describing and discussing their project.

Many of the program's graduates have been offered full-time employment upon graduation as a result of this degree's industry connections.

Entry requirements

If you have one of the following related degrees from UNSW or any other university, then you could be eligible to study the Bachelor of Computational Design in one year:

Built Environment disciplines: Architecture, Interior Architecture, Landscape Architecture, Planning, Construction.

Engineering disciplines: Civil Engineering, Mechatronics Engineering, Computer Science, Software Engineering.

How to Apply

If you are an Australian citizen, Australian permanent resident or New Zealand citizen, you apply online through the [Universities Admissions Centre \(UAC\)](#).

If you are an international student, you can apply directly to [UNSW](#).



Learning the newest digital tools and how to apply them in practice is so useful as the industry moves more towards computational design. Also, the ability to complete a Bachelor's degree in just one year opens up so many more career opportunities.



UNSW Built Environment

Ask a question unsw.edu.au/ask

Call 1300 UNI NSW (1300 864 679)

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