

Studying the UNSW/Tongji Dual Degree in Architecture has been an amazing experience so far.

In addition to the astonishing cultural aspects of studying in China, Tongji University's Architectural department has offered us extraordinary professors with real-life architectural experiences, our own studio as well as classes that motivate and enhance our creativity.

If you truly love sketching, design, architecture, and being creative and evolving your thought process, you definitely won't be disappointed.

This degree gives you an insight of your future as an architect.



**Johannes Welanders**

Student, UNSW/Tongji  
Dual Degree in Architecture

Bachelor of

# UNSW/Tongji Dual Degree in Architecture

UNSW Built Environment has partnered with Tongji University in Shanghai to offer you an architectural education with a global focus. This unique dual degree, taught in English at UNSW and Tongji University, will prepare you for practice in both China and Australia, providing you with a distinct advantage to progress your career at a global level.

This degree is one of a kind in Australia, giving you a superior advantage amongst your peers. You will gain a truly unique, global experience by studying Chinese culture, experiencing life in China, and networking with fellow Chinese students from other degrees.

## Professional accreditations:

The UNSW/Tongji Dual Degree in Architecture is the undergraduate pathway degree to the professionally accredited postgraduate Master of Architecture degree which has professional recognition from the NSW Architects Registration Board and Architects Accreditation Council of Australia (AACA). After obtaining the Master of Architecture you must complete two years of professional work experience and undertake the professional practice exam to become a registered architect.

## Your career opportunities:\*

Your UNSW/Tongji Dual Degree in Architecture is your pathway to the Master of Architecture degree. Upon your postgraduate graduation, you will have the following career opportunities:

- Consulting architect in private practice
- Specialist architect such as heritage
- Building scientist
- Environmental consultant
- Multidisciplinary design practice
- Government architect's office
- Large commercial practice architectural firms
- Architecture critic, academic and researcher

\* Depending on the level of study and registration.

## Why study UNSW/Tongji Dual Degree in Architecture at UNSW Built Environment?

**Be unique:** This dual degree gives you the opportunity to study in two pre-eminent architecture schools in Australia (UNSW Built Environment) and China (Tongji University). It draws on the strength of educational traditions, systems and practices of both UNSW Built Environment and the College of Architecture and Urban Planning at Tongji University.

### Be a highly sought-after graduate:

The dual degree will prepare you for practice in both China and Australia. It will give you a superior advantage amongst your peers as you will have gained a truly unique global education. The only one of its kind, this dual degree will make you a highly sought-after graduate, with endless opportunities to advance your career in architecture at a global level.

### Establish your own global network:

You will have the opportunity to establish your own global network whilst at Tongji University and UNSW, as you will be studying with students from all over the world. Students taking part in the dual degree in Architecture are drawn from international high schools in China and around the world, where the language of instruction is English, as well as Australian high school leavers. The course is taught in English both at Tongji University and UNSW.

### Gain invaluable cultural experiences:

This course will give you unique and global experiences and opportunities. Whilst you are in Tongji, you will network with fellow Chinese students from other degrees, study Chinese culture and experience life in China.

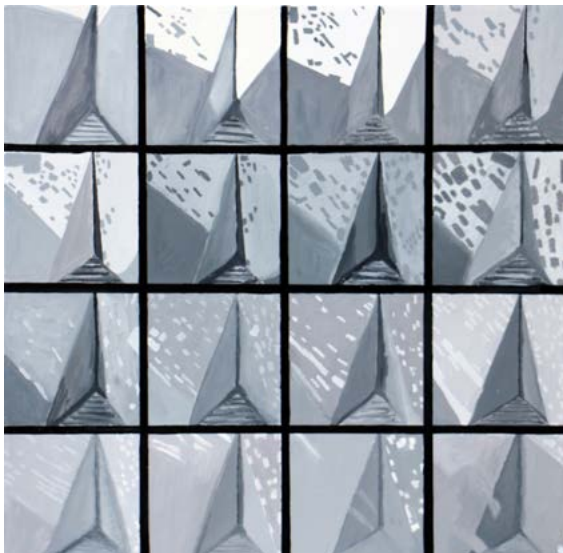
**You will be awarded two degrees:** Upon completion, you will be awarded two degrees, a Bachelor of Architectural Studies from UNSW, and a Bachelor of Engineering (Architecture) from Tongji University.

# Student project highlights

## Recording Light and Shadow

A visit to a Chinese Tea House, where the exercise involved recording light and shadow movements at 15 minute intervals. Abstract canvas depictions were made to interpret recordings of the movements of light and shadow.

**Nozanin Mamadnazarov**



The thing I enjoy the most about this double degree is the chance to study in different countries and learn about new cultures and customs.



**Nozanin Mamadnazarov**  
Student, UNSW/Tongji  
Dual Degree in Architecture

## Architectural Spaces from Organisms

Using clay models, the project represents biological forms as architectural spaces. Using clay models, compositions of solid and void are explored.

**Meissane Kouassi**



This degree is very practical and most of the courses are hands-on. The teachers are very attentive towards each individual as we learn as a small group. It's like a second family.



**Meissane Kouassi**

Student, UNSW/Tongji  
Dual Degree in Architecture



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## Year ① Semester ① Tongji University

### Culture & Art

Explore Chinese culture, academic literature reading and studies of form and material.

### Computation

Introduction to computer basics.

### Building Science & Technology

Study advanced mathematics.

### History & Theory

Undertake art history and introduction to design theory.

### Design

Choose to study architectural design (design fundamentals) or observing and drawing architecture.

## Year ① Semester ② Tongji University

### Culture & Art

Explore Chinese culture, academic literature reading and studies of form and material.

### Computation

Introduction to computation program design.

### Building Science & Technology

Study building mechanics.

### History & Theory

Undertake art history and introduction to design theory.

### Design

Explore architectural design (form generating).

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## Year ② Semester ③ Tongji University

### Computation

Study computation, graphics and geometry.

### Building Science & Technology

Study building structures.

### History & Theory

Undertake city reading and analysis and study theories and architectural origin.

### Design

Choose to study architectural design (form generating) or undertake studies in art workshop 2 and survey and measured drawing of historical buildings.

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## Year ② Semester ④ UNSW Built Environment

### ARCH1201

#### Architectural Design Studio 3

Study modern concepts and architectural devices through projects of moderate programmatic, spatial and material complexity in an urban context.

### BENV2524

#### Building Information & Modelling

Introduction to the use of computer-based information rich 3D models of buildings to support design processes.

### ELECTIVE

Choice of any elective course available within the University except denoted General Education courses.

### GENERAL EDUCATION

Choice of a course in accordance with the University's General Education rules.

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## Year ③ Semester ⑤ UNSW Built Environment

### ARCH1202

#### Architectural Design Studio 4

Provides analytical capacities and skills developed through a complex site and an institutional program situated in a particular sociocultural context.

### ARCH1222

#### Architectural History & Theory 2

Gain an overview of key architects and movements from the advent of modernism in the early 20th century to the present.

### ARCH1261

#### Structures & Construction 2

Introduction to the construction industry practice – who's involved, who's in charge, the role of architects and how strategic decisions are made.

### GENERAL EDUCATION

Choice of a course in accordance with the University's General Education rules.

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## Year ③ Semester ⑥ UNSW Built Environment

### ARCH1301

#### Architectural Design Studio 5

Use a mixed brief incorporating more than one function or building type, and explore contextual design, including urban patterns, as well as building design with detailed consideration of the technical resolution of an aspect of the building to a high level of resolution.

### ARCH1361

#### Environment 2

Explore integrated environmental design, addressing the quantitative and standards based treatment of lighting and acoustics, using manual and digital analysis, modelling and simulation.

### BEIL

#### Interdisciplinary learning

Selected from a specified pool of interdisciplinary courses offered by the faculty.

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## Year ④ Semester ⑦ UNSW Built Environment

### ARCH1302

#### Architectural Design Studio 6

Work on one architecture project and develop a detailed level of programmatic, spatial and material resolution, with emphasis placed on environmental and technological factors and their potential to impact on architectural thinking and production.

### ARCH1322

#### Arch History & Theory 3

Learn critical analysis of architecture in Australia, examining themes that situate developments from the early 20th century to the present.

### BEIL

#### Interdisciplinary learning

Selected from a specified pool of interdisciplinary courses offered by the faculty.

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## Year ④ Semester ⑧ Tongji University

### Design

Choose to undertake graduation project or study Chinese building codes and disaster prevention in architecture.

# Degree Information

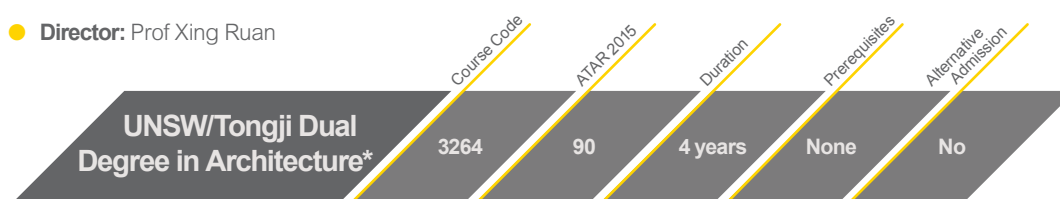
## What you need to know:

- Applicants for admissions will require ATAR, portfolio and interview to meet requirements
- **Duration:** 4 years full time (4 semesters at Tongji University, and 4 semesters at UNSW Built Environment)
- **Qualification:** Bachelor of Architectural Studies (UNSW), and a Bachelor of Engineering (Architecture) (Tongji University)
- **Director:** Prof Xing Ruan

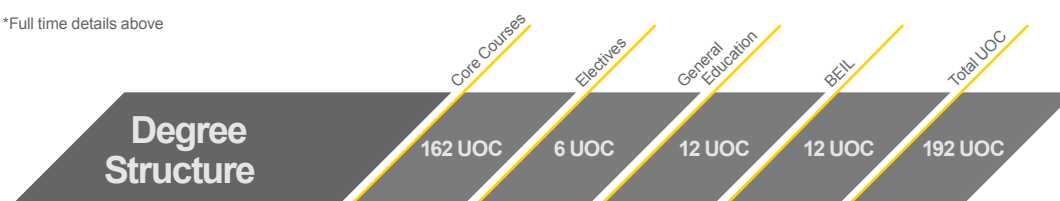
## Prizes and scholarships:

- Walter and Gillian Bunning (Travel) Scholarship
- Cox Richardson Architecture Award
- Ronald Lu Travelling Scholarship in Architecture

More prizes and scholarships at [be.unsw.edu.au/scholarships](http://be.unsw.edu.au/scholarships)



\*Full time details above



Units of Credit (UOC)



**3 semesters Tongji University, 4 semesters UNSW Built Environment, Final semester Tongji University, Total 8 semesters**

- Semester 1 commences September 2016 at Tongji University.
- The equivalent of 96 UOC will be studied at Tongji University (the first 3 semesters and final semester of the degree). 96UOC will be studied at UNSW Built Environment (4 semesters).
- At the end of the fourth year, graduates may apply for the UNSW Master of Architecture program or alternatively proceed to postgraduate studies at Tongji University.



I'm really happy to be a student of this interesting program. In four years of the program you can get a deeper understanding of the two countries. You will see colourful China, and amazing Australia. We have a hands-on-approach in most of the courses and the teachers are very attentive toward each of us.



**Aimeerium Madiarova**

Student, UNSW/Tongji Dual Degree in Architecture