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# Faculty of Engineering and Information Sciences

Info for HUST

by

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December 2018



UNIVERSITY  
OF WOLLONGONG  
AUSTRALIA



# From UOW to the world

A globally recognised and respected degree from UOW is your passport to a world of opportunity.

## Top 20

16<sup>th</sup> best modern university in the world

*QS Top 50 Under 50 Rankings 2019*

## Top 2%

Overall rating among the world's universities

*218<sup>th</sup> – QS World University Rankings 2019*

# University at a glance

**32,953**

total student enrolment

**6,143**

international students

**147**

countries where  
UOW alumni live

**9**

Australian  
campuses

**138,594**

UOW alumni

**304**

degrees on offer

**78.3%**

Academic staff  
with PhDs

**7**

international  
teaching locations



An aerial photograph of Wollongong, Australia, showing the city built along a curved coastline. The water is a vibrant blue-green, and the beaches are sandy and wide. The city features a mix of residential houses and modern high-rise buildings. In the background, the Illawarra mountains are visible under a clear blue sky.

# Wollongong city

17 beaches All patrolled

15 nature walks In the Wollongong region

292,500 people Illawarra area population

90 minutes to Sydney By road or train (80km/50 miles)

25°C (77°F) Average maximum summer temperature

18°C (64°F) Average maximum winter temperature

# Location & transport



BUS

- Free 'city loop' buses link UOW with the city centre, trains and shopping

Free transportation within Wollongong, savings of approx. **\$2200** per year/person



TRAIN

- 90 minutes to Sydney (Central)



CAR

- Get free parking on campus with UOW's carpooling program





# UOW Accommodation

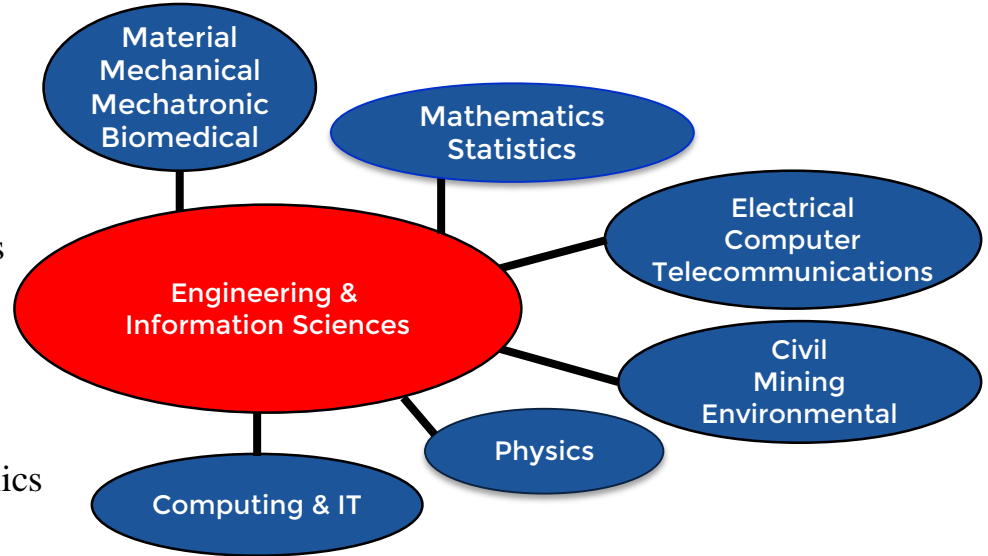
- Achieve higher academic outcomes
- The best place to live. Guaranteed.
- Make lifelong friends



# Faculty of Engineering & Information Sciences

## 6 SYNERGISTIC SCHOOLS

- School of Computing Science and IT
- School of Electrical, Computer and Telecommunications Engineering
- School of Mathematics and Applied Statistics
- School of Civil, Mining and Environmental Engineering
- School of Physics
- School of Mechanical, Materials, Mechatronics and Biomedical Engineering



**TOP 1 %**  
**Research quality**



**GROUP  
OF EIGHT  
AUSTRALIA**

ENGINEERING  
ASSOCIATE



UNIVERSITY  
OF WOLLONGONG  
AUSTRALIA

# Faculty Rankings

**In the 2019 Times Higher Education World University Rankings for “Engineering and Technology”**

- **Ranked 87<sup>TH</sup> in THE WORLD,**
- **6<sup>TH</sup> IN AUSTRALIA**
- **2<sup>nd</sup> in New South Wales (NSW) state**





# Faculty Subject Rankings

**TOP 25 IN THE WORLD\*** and **2<sup>nd</sup> in Australia**  
Mineral and Mining Engineering

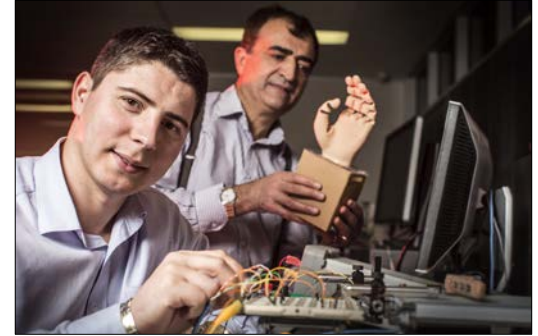
**TOP 150 IN THE WORLD\***  
Civil and Structural Engineering  
Materials Science

**TOP 200 IN THE WORLD<sup>^</sup>**  
Computer Science & Information Systems

**TOP 250 IN THE WORLD\***  
Mechanical Engineering  
Electrical & Electronic Engineering

*\*2018 QS world rankings by subject*

*<sup>^</sup>2019 THE world rankings by subject*



# Group of Eight Engineering Associate



**GROUP  
OF EIGHT**  
AUSTRALIA

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ENGINEERING  
ASSOCIATE

UOW is a member of the Group of Eight (Go8) Deans of Engineering and Associates.

This achievement is a direct result of our world class reputation in teaching and research.



# Undergraduate Courses



UNIVERSITY  
OF WOLLONGONG  
AUSTRALIA



# Bachelor of Engineering (Honours)

## COURSE INFORMATION

A four-year degree that allows students to specialise in:

Biomedical Engineering

Civil Engineering

Computer Engineering

Environmental Engineering

Electrical Engineering

Materials Engineering

Mechanical Engineering

Mechatronic Engineering

Mining Engineering

Telecommunications Engineering

Double Majors available:

Civil - Environmental

Civil – Mining

Mechanical – Materials

Mechanical – Mining

Mining – Environmental

Mining- Materials

**Duration:** 4 years

**Entry Requirements:**

**IELTS:** 6.0

**Location:** Wollongong

**Course Structure:** All students complete a Professional Practice subject and a dissertation project (minor research thesis).

These majors are all accredited by Engineers Australia

They also have Washington Accord status



# 2 + 2 option for HUST Students



# What is 2 + 2 option

- First two years of study at HUST
- Transfer to University of Wollongong (UOW) with full credit
- Continue last two year's at UOW
- Receive a Bachelor of Engineering (Honours) degree from UOW

*Note:* Must meet English language requirement



# 2 + 2 Credit transfer courses

<b>HUST</b>	<b>University of Wollongong</b>
<b>Bachelor of Electronics and Telecommunications</b>	<b>Bachelor of Engineering (Honours)</b> <ul style="list-style-type: none"><li>- Computer</li><li>- Electrical</li><li>- Telecommunication</li></ul>

Further info at

<https://www.uow.edu.au/future/international/requirements/credit/UOW241607.html>

<https://www.uow.edu.au/future/international/requirements/credit/UOW241624.html>

<https://www.uow.edu.au/content/groups/public/@web/@unia/documents/doc/uow241622.pdf>



# How much will it cost?

- 2019 fees - AU\$34,000 approx. per year
- Mandatory Health Insurance for two year's - AU\$1500 approx.
- Living cost expenses - AU\$16,000 approx. per year per person





# Benefits

- While studying you can work 20 hours per week
- Continue to study one (or) one and half (or) two year's Master degree<sup>^</sup>
- Two years stay back option if your study duration is two years and above
- Two years Post Study Work Rights visa (PSW) for eligible students

<sup>^</sup>It depends if you have a suitable background in Bachelor of Engineering

# Entry requirement

- 50% out of 100% (or) CGPA 2.0 out of 4.0 in the first two of study at HUST
- IELTS 6.0 overall (or) equivalent



# Scholarship

Up to 30% Scholarship\* for the eligible students

\*Average mark of 80% out of 100



Postgraduate Courses after  
completing a Bachelor degree at

University of Wollongong

or at HUST



UNIVERSITY  
OF WOLLONGONG  
AUSTRALIA

# Master of Engineering – 2 years

## COURSE INFORMATION

A two-year course that allows students to specialise in:

Civil Engineering\*  
Computer Engineering  
Electrical Engineering\*  
Environmental Engineering  
Innovative Manufacturing  
Materials Engineering\*  
Mechanical Engineering\*  
Mechatronic Engineering  
Mining Engineering  
Telecommunications Engineering\*

\*Full accreditation by Engineers Australia and provisional accreditation for the remaining majors

Students can also specialise in:

Asset Management  
Management

These two majors are currently not accredited by Engineers Australia.

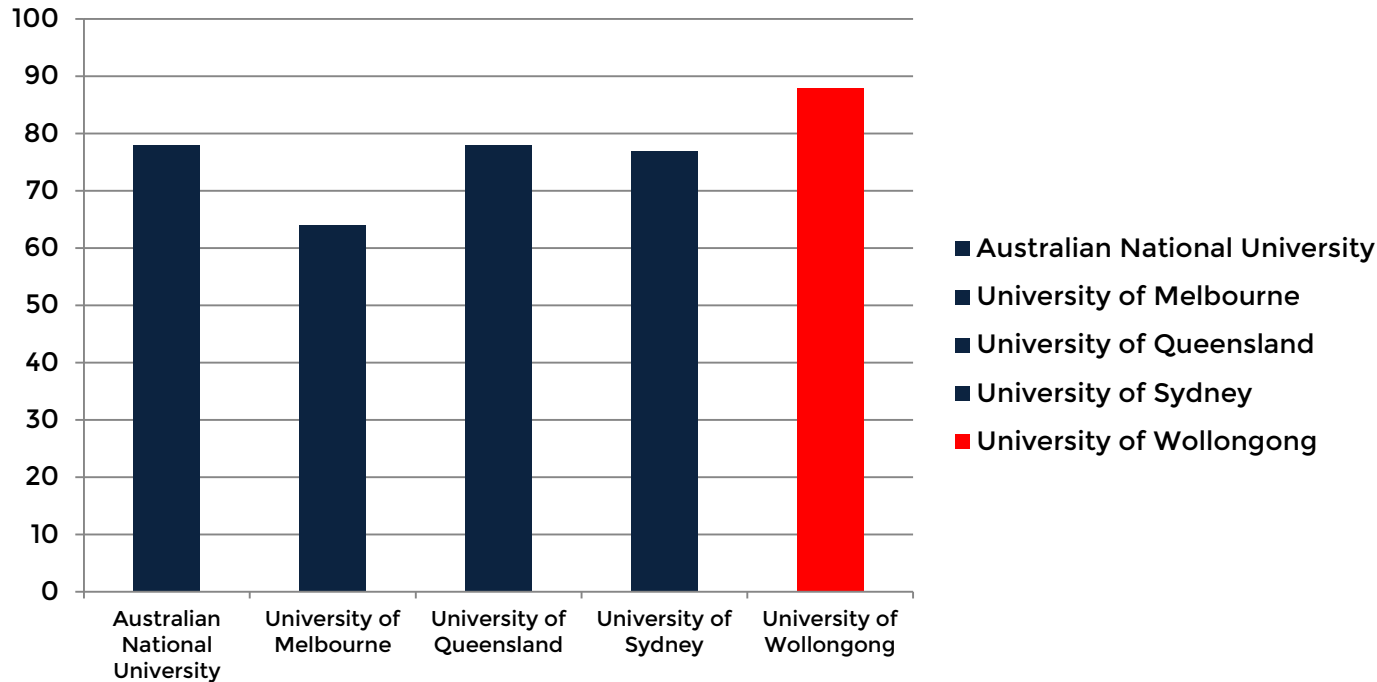
**Duration:** 2 years full time

**Course Structure:** All students complete a Professional Practice subject and a dissertation project (minor research thesis).



# 1<sup>st</sup> in Australia for Engineering by [www.qilt.edu.au](http://www.qilt.edu.au)

## Australian University Comparison - Engineering Full Time Employment



# Our alumni



## COOPER LEES

UOW Computer Science  
Alumni  
Production Engineer at  
Facebook



## SUNIL CHANDRA

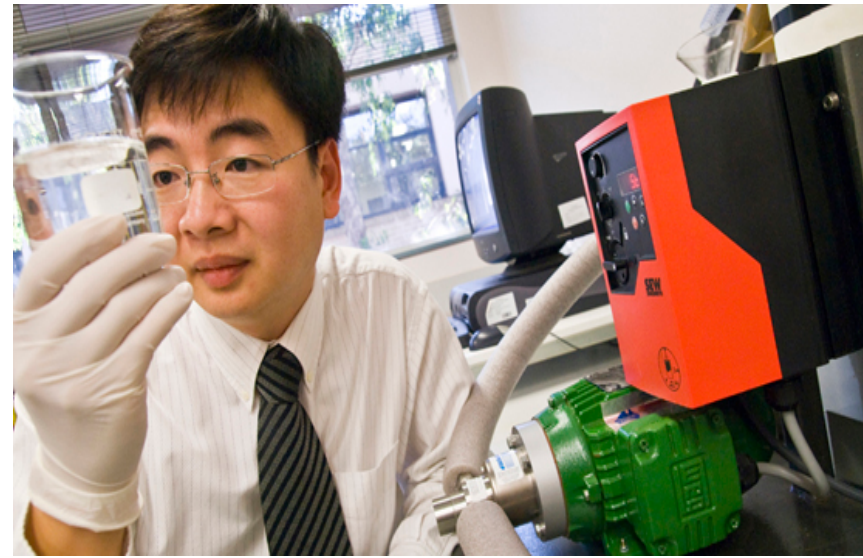
UOW Computer Engineering  
Alumni  
Vice President at Google  
(Global operations and  
Talent Acquisition)



## SIMON CHUNG

COO of ChinaSoft  
International, major in  
Computer Science, wins  
Australia-China Alumni of the  
Year Award





## Innovative research turning food waste into energy

- by UOW Professor Long Nghiem

<http://media.uow.edu.au/releases/UOW232243.html>



# Industry Links

- Major Australian and International Firms recruit graduates straight from the University
- Constant engagement in industry research, within Australia and Internationally



# Industry engagement with NASA

Faculty's Centre for Medical Radiation Physics (CMRP) won a prestigious research grant from NASA  
- to develop space qualified instrument to assess radiobiological effects on humans during long-term space missions



## DR LEROY CHIAO

Former NASA astronaut visits UOW  
He spent 6 months on the International Space Station



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