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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

16th best modern university in the world

QS Top 50 Under 50 Rankings 2019

Top 2%

Overall rating among the world's universities

218th – QS World University Rankings 2019

University at a glance

32,953

total student enrolment

138,594

UOW alumni

6,143

international students

304

degrees on offer

147

countries where
UOW alumni live

78.3%

Academic staff
with PhDs

9

Australian
campuses

7

international
teaching locations



An aerial photograph of Wollongong, Australia, showing the city built along a curved coastline. The ocean is a deep blue, transitioning to a lighter turquoise near the shore. A prominent sandy beach is visible in the foreground, with waves breaking onto it. The city features a mix of residential houses and modern high-rise apartment buildings. In the background, a large industrial port area with numerous cranes and ships is visible. The sky is clear and blue.

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

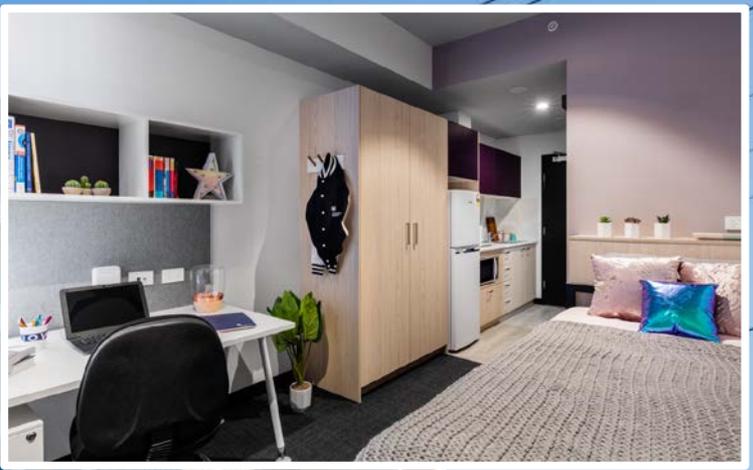
- Get free parking on campus with UOW's carpooling program





UOW Accommodation

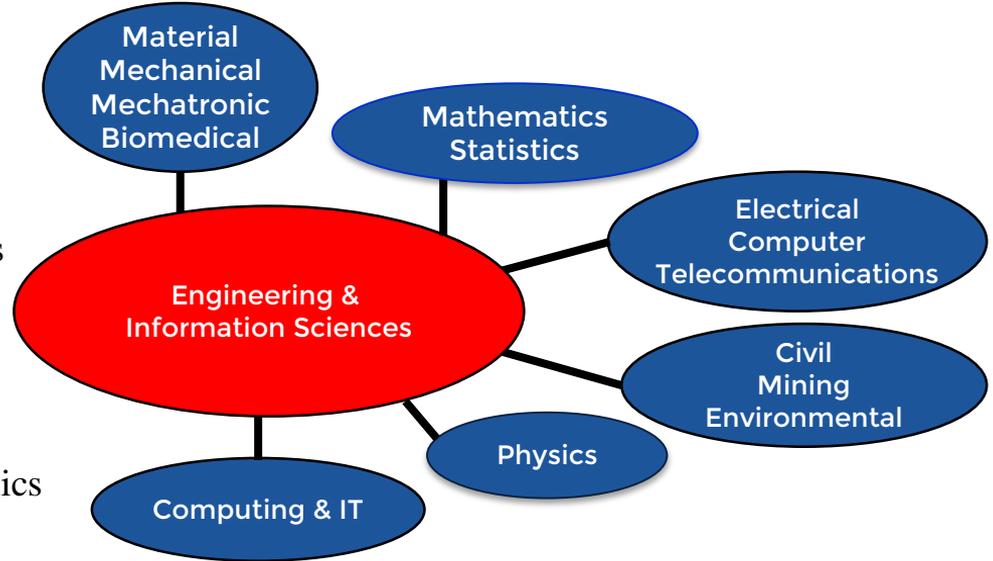
- Achieve higher academic outcomes
- The best place to live. Guaranteed.
- Make lifelong friends



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



Faculty Subject Rankings

TOP 25 IN THE WORLD* and 2nd in Australia

Mineral and Mining Engineering

TOP 150 IN THE WORLD*

Civil and Structural Engineering

Materials Science

TOP 200 IN THE WORLD[^]

Computer Science & Information Systems

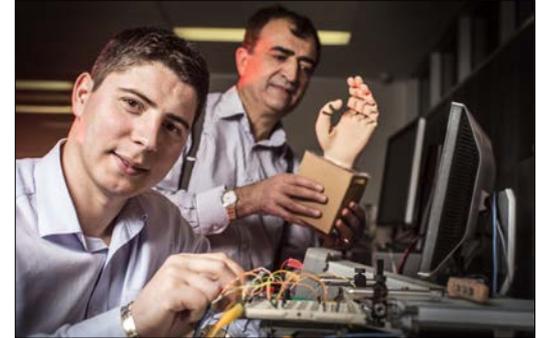
TOP 250 IN THE WORLD*

Mechanical Engineering

Electrical & Electronic Engineering

**2018 QS world rankings by subject*

[^]2019 THE world rankings by subject



Group of Eight Engineering Associate



**GROUP
OF EIGHT**
AUSTRALIA

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

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

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[^]
- 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

[^]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.

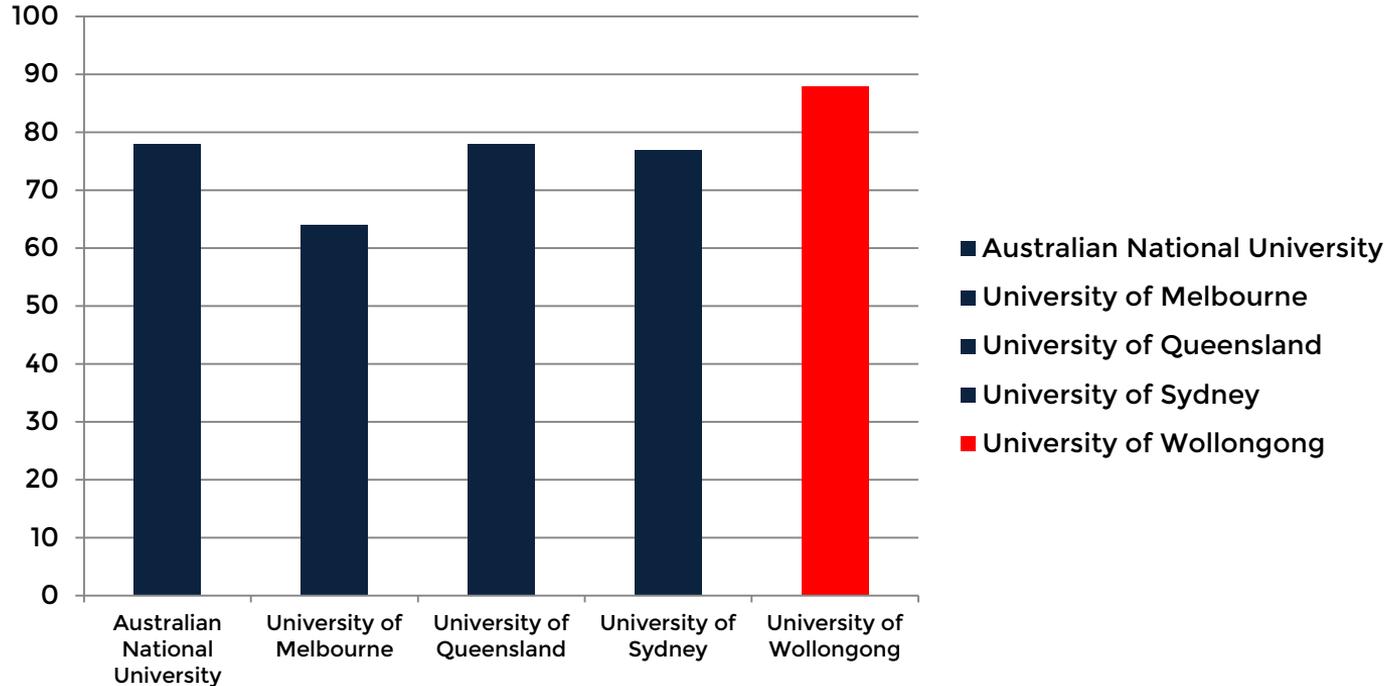
Duration: 2 years full time

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



1st in Australia for Engineering by 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

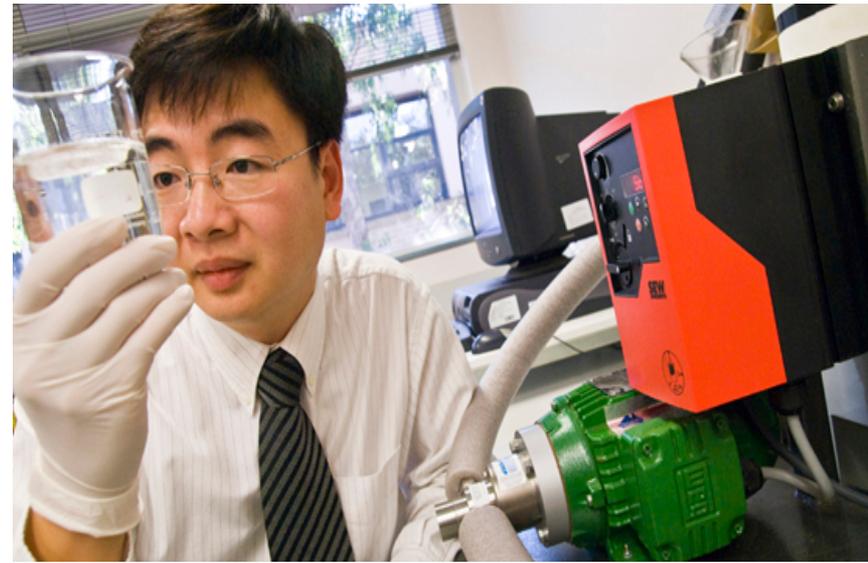
UOW Computer Engineering
Alumni
Vice President at Google
(Global operations and
Talent Acquisition)



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



bhpbilliton



Microsoft



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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