

Redefine What's Possible

Faculty of
Engineering & IT



THE UNIVERSITY OF
SYDNEY

Discover your future in engineering and technology

Faculty of Engineering and
Information Technologies







“Sydney is the 9th most desirable
destination in the world for
international students”

— 2018 QS Best Student Cities Index

In the heart of Sydney - near everything the city has to offer



Manly

Harbour Bridge

Opera House

Bondi Beach

CBD

Chinatown

Central Station

Glebe

University of Sydney
Campus

Redfern Station

Newtown

Faculty of Engineering & IT

Australia's oldest engineering school
founded in **1920**:

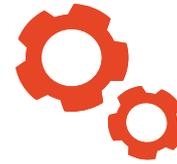
- 5176 undergraduates
- 2109 postgraduates
- 615 PhD students
- 50% of students international
- 430 staff

We've taught notable alumni
including John Bradfield, designer of
the **Sydney Harbour Bridge** and
Matt Barrie, CEO of **Freelancer**





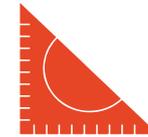
5 Schools



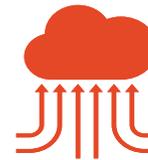
School of Aerospace,
Mechanical and Mechatronic
Engineering



School of Chemical and
Biomolecular Engineering



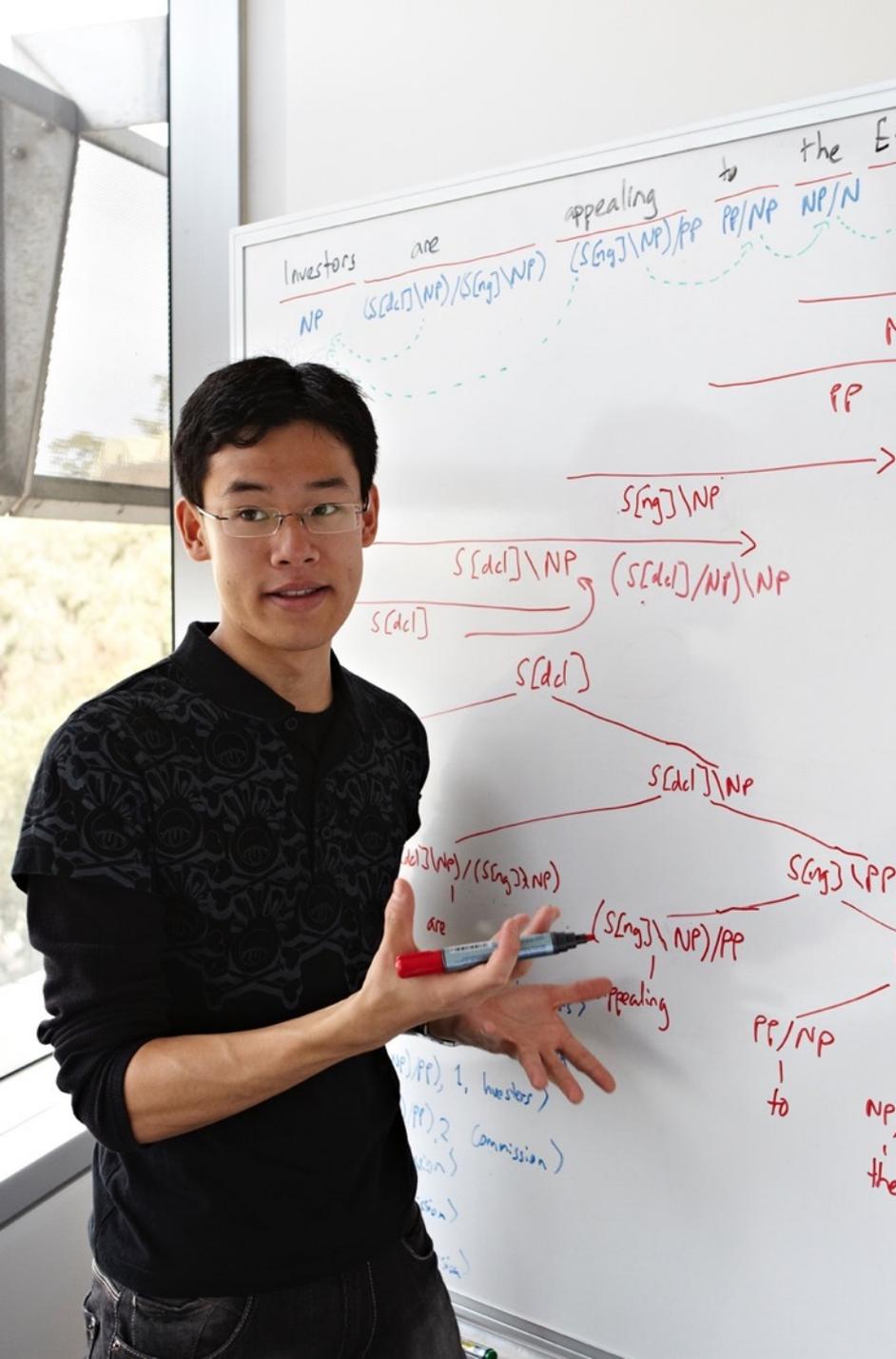
School of Civil Engineering



School of Electrical and
Information Engineering



School of Information
Technologies



Why study engineering and technology?

- 75% of fastest growing occupations require STEM skills and knowledge*
- modern transport, medicines, Wi-Fi and smartphones all created thanks to fields collectively known as STEM
- studying STEM enables you to tackle the biggest issues facing the world today – and into the future.

*Australian Industry Group research report: Lifting our Science, Technology, Engineering and Mathematics (STEM) Skills.

2018 Highest Paying Jobs



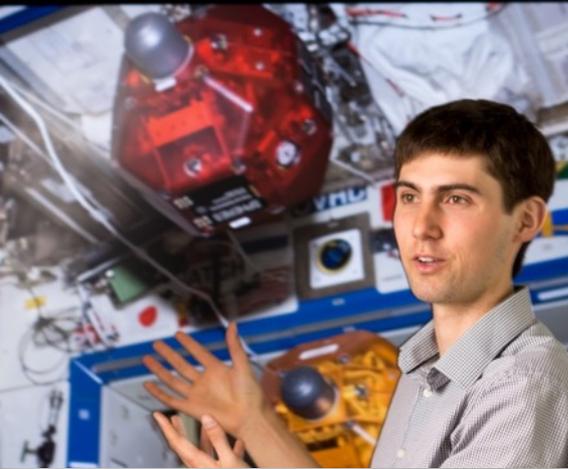
Source: Seek.com, August 2018

Rank	Industry	Role type	2018 salary
1	Info & Comm Technology	Architects	\$138,144
2	Engineering	Management	\$133,927
3	Info & Comm Technology	Management	\$132,307
4	Mining, Resources & Energy	Management	\$131,462
5	Legal	Generalists - In-house	\$128,988
6	Accounting	Strategy & Planning	\$128,373
7	Accounting	Financial Man. & Controllers	\$126,906
8	Construction	Management	\$126,122
9	Construction	Project Management	\$124,603
10	Insurance & Superannuation	Management	\$124,432
11	Legal	Construction Law	\$124,041
12	Info & Comm Technology	Security	\$122,753
13	Mining, Resources & Energy	Mining - Engineering & Maint.	\$121,912
14	Consulting & Strategy	Manag. & Change Consulting	\$121,232
15	Engineering	Project Management	\$120,752
16	Info & Comm Technology	Product Manag. & Development	\$120,740
17	Info & Comm Technology	Programme & Project Manag.	\$120,554
18	Info & Comm Technology	Team Leaders	\$119,078
19	Legal	Corporate & Commercial Law	\$118,558
20	Legal	Tax Law	\$118,212

Where will your journey take you?



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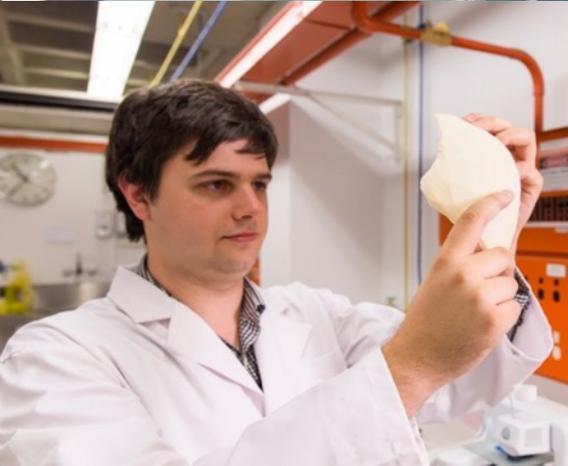
Careers in **tomorrow's technologies**

- data analytics, space, software and nanotechnologies
- biomedical engineering and IT studies can lead to career options in fast-growing biotechnology sector



Careers in the **corporate world**

- finance, banking and insurance
- professional and management roles



Careers in **health**

- biomedical engineering is one of the fastest growing branches of engineering, working alongside medical professionals to design and develop medical devices and implants.



Careers in **agriculture**

- our engineers are working with Australian farmers to develop robots with intelligent software to weed and harvest crops autonomously
- you could design production processes that improve the quality and shelf life of our food or minimise waste

Careers in **mining and resources**

- mining and resources is one of Australia's most technologically advanced and dynamic industries.
- currently employs about **254,000** people in Australia

Career in **humanitarian and sustainability**

- sustainability is a growing field, with many major companies hiring environmental engineers, or sustainability and corporate responsibility managers to maximise the eco-efficiency of their businesses.

Why study with us?



THE UNIVERSITY OF
SYDNEY

**1st in Australia
& 4th in the
world for
graduate
employability¹**

**1st in Australia
& 28th globally
for research
innovation²**



**Why
study
with us?**



More than **double**
the national
average of
women are
studying engineering
& technology with us

#1 in Australia
for student
experience³

Connect with a
network of over
1200
engineering,
technology &
government
organisations

\$10 million in
scholarships
offered every
year⁵

Top 3
universities in
Australia for
Engineering &
Technology⁴



**ENGINEERS
AUSTRALIA**

1 QS Graduate Employability Rankings 2017
2 Thomson Reuters' Top 75: Asia's Most 3
Innovative Universities 2016
3 National Union of Students Quality Survey
2010, 2011, 2013, 2015
4 QS World University Rankings 2016-17
5



**THE UNIVERSITY OF
SYDNEY**

Innovative Learning Environment

Our labs and teaching spaces incorporate the latest technology and equipment to foster **interactive study, research and collaboration.**



THE UNIVERSITY OF
SYDNEY

The Australian Centre
for Field Robotics is one
of the largest robotics
institutes in the world.



Aeronautical (Space) Engineering student
Jeremy chose Sydney because of our motion
and static flight simulators, 2 wind tunnels,
the aerial systems lab and the two-seater
aircraft students get to assemble.

Our Sydney Lunabotics team travelled to the Kennedy Space Center to compete in the **NASA Lunabotics Mining Competition**



Rory Green is completing a semester of his degree on **exchange** at Imperial College London



Students undertaking a humanitarian-aid project, **Water for Life Peru**, as part of their Engineering (Civil) honours degree.



Global Opportunities

- Field trips to developing parts of the world, exciting global projects but also opportunities in rural and remote Australia
- International professional placements
- Short term programs
- Semester & year long exchanges with more than 300 partner universities worldwide



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Why study with us? > Global Accreditation

Study at a highly ranked university

- Regularly ranked in top 0.3% of universities worldwide
- In top 50 in the world for engineering and technology in both QS and Times Higher Education rankings
- Number 1 in employability in Australia (QS world employability rankings)

Globally recognised qualifications accredited by:

- Engineers Australia
- Institute of Chemical Engineers
- Australian Computer Society
- Project Management Institute



Why study with us? > Leadership

Leadership development: The Student Leadership Academy

- Led by students for students
- Collaborate with others from diverse discipline backgrounds
- Leadership development to complement the expertise and knowledge you will gain through your degree
- Insights from industry through guest speaker events, workshops, projects and competitions.

Why study with us? > Professional Engagement

The conventional parts of the degree

gives students the tools to tackle engineering challenges.

The Professional Engagement Program

ensures students know how and when to apply those tools.

Leads to graduates who:

- Have the courage and vision to tackle complex problems
- Create innovative solutions to societies challenges
- ***Are career-ready rather than work-ready***



Professional Engagement Program (PEP)

The P.E.P. is **mandatory** for **all** Bachelor of Engineering students and begins in their first semester. All commencing students must enrol in ENGP1000.

The program requires students to develop a deep understanding of the professional and social contexts in which their engineering skills and knowledge can be applied and how these contexts shape the application of their knowledge and skills.

Result: career-ready graduates with industry contacts and the ability to confidently tackle real world problems and make a difference

PEP consists of:

- **Units of Study** - 3 additional 0 CP units of study
- **PEP Workshops** - related to UoS, each 2 hours long
- **PEP Activities** - minimum of **600 hours** (e.g. work experience, guest lectures, site visits, industry projects, graduate mentoring)

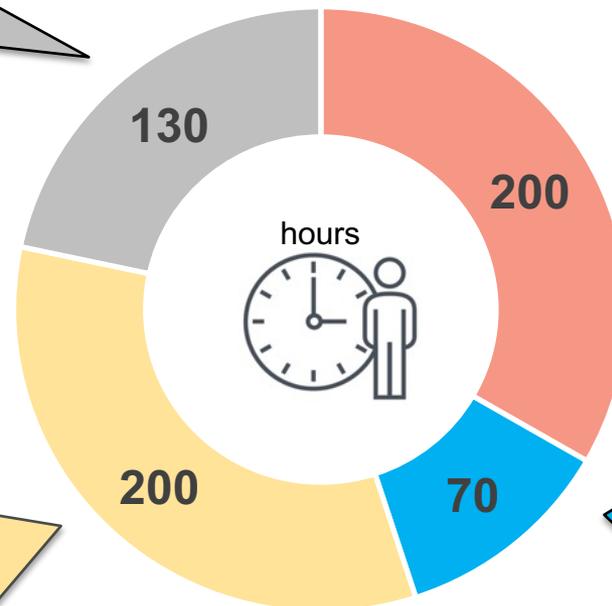
Professional Engagement Program - 600 hours

Your choice

Can be any combination of the other categories

Engineering Work Experience

Companies:
Albergeldie, Commbank,
Douglas and partners,
GHD, John Holland,
Lendlease, Mirvac,
Transport for NSW,
ResMed, and many others



Engineering focused activities

Can be in/extra curricular

- Site visits
- Guest lectures
- Industry projects
- Industry seminars, workshops, conferences
- Competitions, challenges

Non-Engineering focused activities

Must be extra-curricular

- Employment skills
- Transferable skills
- Casual / PT work
- Volunteering
- Mentoring
- Overseas exchange

**Helps students transition
into engineering practitioners**

Flexible First Year

Our Flexible First Year program gives you time and freedom to discover where your strengths and interests lie.

- get exposure to several fields of engineering, trialling the areas you are most interested in
- then transfer at end of first semester or first year
- complete degree in normal time



"I chose the Flexible First Year Program as I had no idea which stream I wanted to study. It definitely helped me, as I was able to experience all the different disciplines over a semester and discover which one I enjoyed the most. I don't think I would ever have thought of choosing Mechanical Engineering, my current stream, if I hadn't done the program."

Ella Kerr, Mechanical Engineering student



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Dalyell Scholars Program

The Dalyell Scholars stream rewards high achieving students – allowing you to draw on the rich interdisciplinary depth and breadth on offer at the University, cultivating the leadership and professional expertise to become a part of our global network of leaders.



Elsie Jean Dalyell OBE (1881-1948) was a Sydney medical graduate and our first full-time female academic. She travelled to London on a University scholarship and served in World War I. Her academic excellence and commitment to creating her own path are hallmarks of our Dalyell Scholars program.

Dalyell Scholars Program

- Specialist accelerated and advanced units with like-minded students
- Specific recognition on your testamur
- \$2,000 Global Mobility Scholarship to support international exchange during your degree
- Entry requires 98 ATAR (40 IB score)



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Undergraduate Coursework Degrees

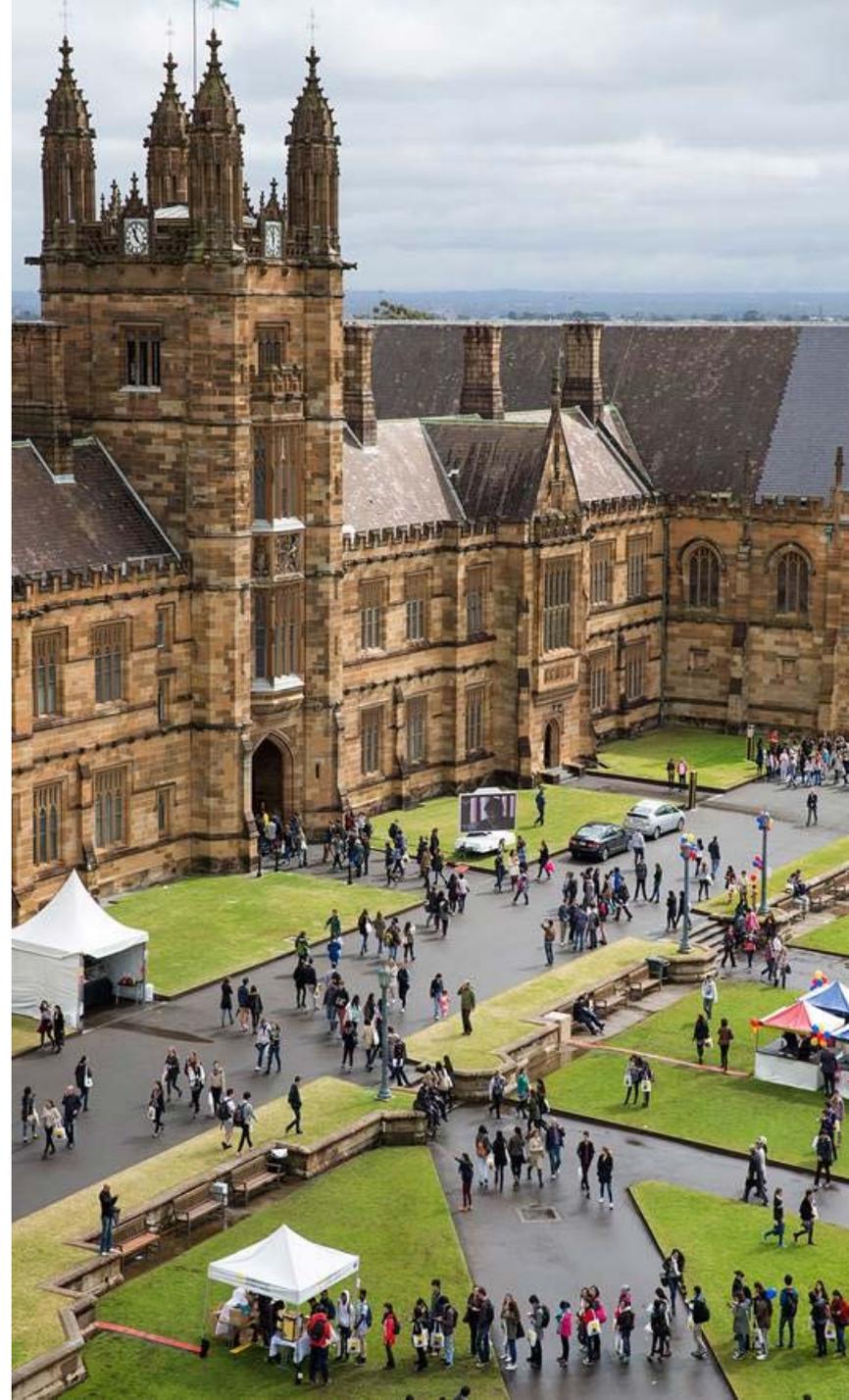


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Bachelor of Engineering (Honours)

Clearest pathways, widest choice:

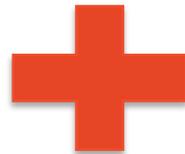
- simply entry pathways
- flexibility to choose combinations of specialist majors
- ability to tailor your degree with **24** majors
- option to broaden career options even further by combining your degree with studies in arts, law, architecture, science, commerce, music or medical science.



Bachelor of Engineering (Honours) + available optional majors

Choose your stream

-  Aeronautical
-  Biomedical
-  Chemical & Biomolecular
-  Civil
-  Electrical
-  Mechanical
-  Mechatronic
-  Software
-  Flexible First Year
-  Space Engineering



Choose your major once you enrol

- Chemical
- Computer
- Computational Engineering
- Construction Management
- Electrical
- Energy and the Environment
- Engineering Design
- Environmental
- Fluids
- Geotechnical
- Humanitarian Engineering
- Info Technology
- Internet of Things
- Materials Science
- Mechanical
- Mechatronic
- Power
- Process Intensification
- Robotics and Intelligent Systems
- Space (*Separate entry)
- Structures
- Telecommunications
- Transport
- Water & Environmental Treatment Processes

* New for 2019

Bachelor of Engineering (Honours) streams + aligned majors

Biomedical

- Chemical
- Electrical
- Humanitarian
- Information Technology
- Mechanical
- Mechatronic

Electrical

- Computer
- Internet of Things
- Power
- Telecommunication

Civil

- Construction Management
- Environmental
- Humanitarian
- Geotechnical
- Structures
- Transport

Aeronautical

* New for 2019

- Space
- Computational
- Engineering Design

Mechanical

- Space
- Energy and Environment
- Fluids
- Material Science

Mechatronic

- Space
- Robotics and Intelligence Systems

Software

- Computer

Chemical and Biomolecular

- Water and Environmental Treatment Processes
- Process Intensification

Bachelor of Advanced Computing

Prior to 2018

B Computer Science & Tech
B Computer Science & Tech
(Advanced)
B Information Technologies



2018 & beyond

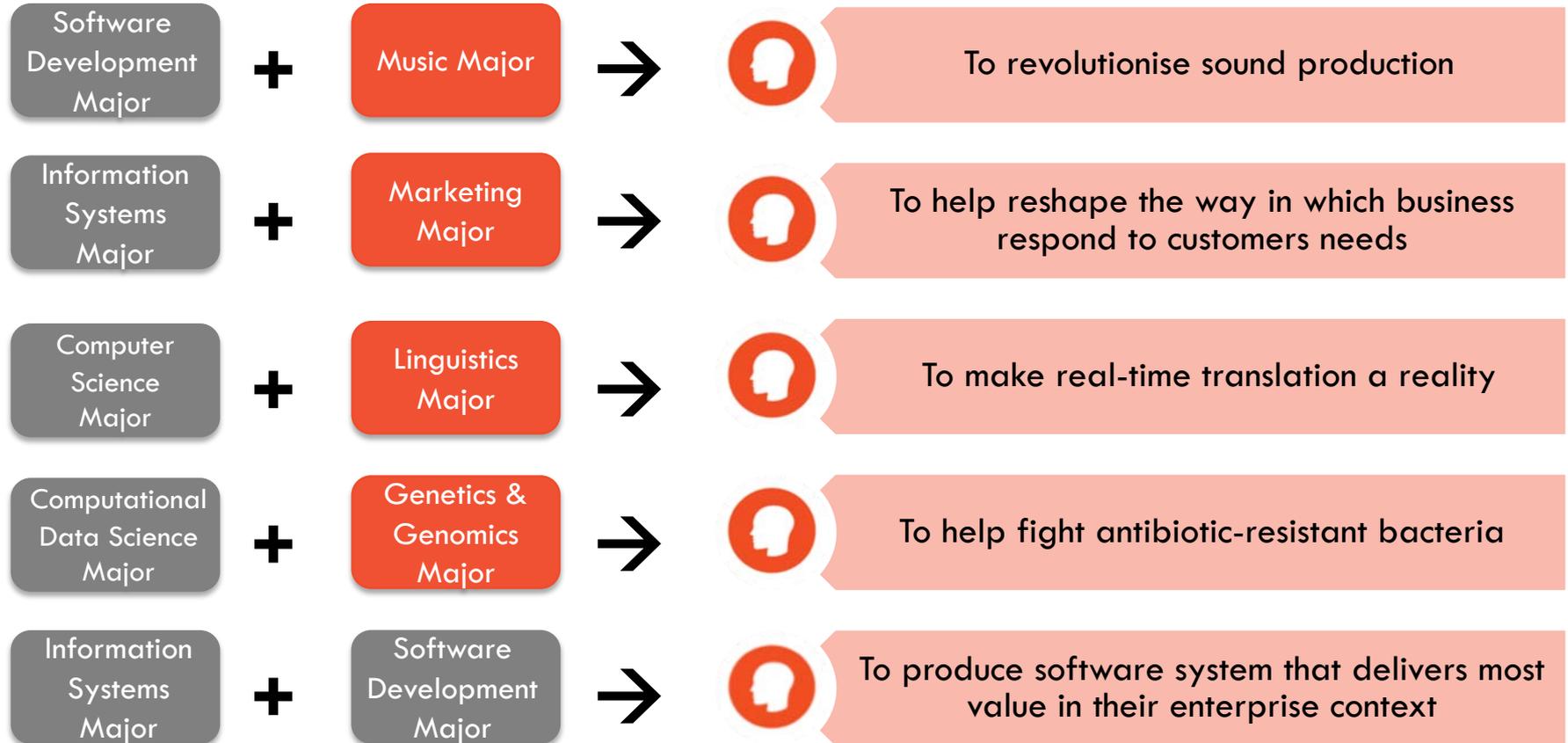
B Advanced Computing Majors (also in shared pool):

Computer Science
Information Systems
Software Development
Computation Data Science

A new way to study IT:

- 4 years full time (exit point after 3 years for B Computing)
- embedded honours thesis
- develop and connect practical and theoretical skills across the computing industries
- learn from leaders in computing field
- highly flexible: options for computing depth; enriching breadth; and research pathways
- choose 2nd major from shared pool

Bachelor of Advanced Computing



Shared Pool of Majors and Minors



Architecture and interaction design

- Design



Arts and social sciences

- Agricultural and resource economics
- American studies
- Ancient Greek
- Ancient history
- Anthropology
- Arabic language and cultures
- Archaeology
- Art history
- Asian studies
- Biblical studies and classical Hebrew
- Chinese studies
- Cultural studies
- Digital cultures
- Econometrics
- Economic policy
- Economics
- English
- European studies
- Film studies
- French and Francophone studies
- Gender studies
- Germanic studies
- Hebrew (modern)
- History
- Indigenous studies
- Indonesian studies
- International and comparative literary studies

- International relations
- Italian studies
- Japanese studies
- Jewish civilisation, thought and culture
- Korean studies
- Latin
- Linguistics
- Modern Greek
- Philosophy
- Political economy
- Politics
- Socio-legal studies
- Sociology
- Spanish and Latin American studies
- Studies in religion
- Theatre and performance studies
- Visual arts



Music

- Music



Business

- Accounting
- Banking
- Business analytics
- Business information Systems
- Business law
- Finance
- Industrial relations and human resource management
- International business
- Management
- Marketing



Health, medicine and dentistry

- Anatomy and histology
- Applied medical science
- Health
- Hearing and speech
- Immunology and pathology
- Infectious diseases
- Neuroscience
- Pharmacology
- Physiology



Education and social work

- Education



Engineering and information technology

- Computer science
- Information systems
- Project management
- Software development



Science, agriculture, environment and veterinary science

- Animal health, disease and welfare
- Animal production
- Behavioural sciences
- Biochemistry and molecular biology
- Biology
- Cell and developmental biology
- Chemistry
- Data science
- Ecology and evolutionary biology
- Environmental studies
- Financial mathematics and statistics
- Food science
- Genetics and genomics
- Geography
- Geology and geophysics
- History and philosophy of science
- Marine sciences
- Mathematics
- Medicinal chemistry
- Microbiology
- Nutrition science
- Physics
- Plant production
- Quantitative life sciences
- Soil sciences and hydrology
- Statistics



Bachelor of Project Management - Renewed for 2019 intake

Available Majors:

Construction

Built Environment

Choose from Shared Pool
(100+)

Available Minors:

Project Controls

People & Change

- The only multi-disciplinary bachelors program in Australia **not** tied to a single industry
- Option to choose a major outside of project management (choosing from the University shared pool) and/or Honours year
- Addition of curated internships for the best and brightest students (by invitation)
- Complete a capstone project over two semesters in the final year with subject matter experts from industry.
- Subjects include project finance, statistics, analytics, risk management, organisational behaviour and psychology.

Combined Degrees

- Approximately 50% of our students study a combined degree
- This allows pursuit of other academic interests, and to broaden career prospects for the future

5 Years Full Time

B. Advanced Computing / B. Commerce

B. Advanced Computing / B. Science

B. Advanced Computing / B. Science (Health)

B. Advanced Computing / B. Science (Medical Science)

B. Engineering Honours / B. Arts

B. Engineering Honours / B. Commerce

B. Engineering Honours (Civil) / B. Design in Architecture

B. Engineering Honours / B. Project Management

B. Engineering Honours / B. Science

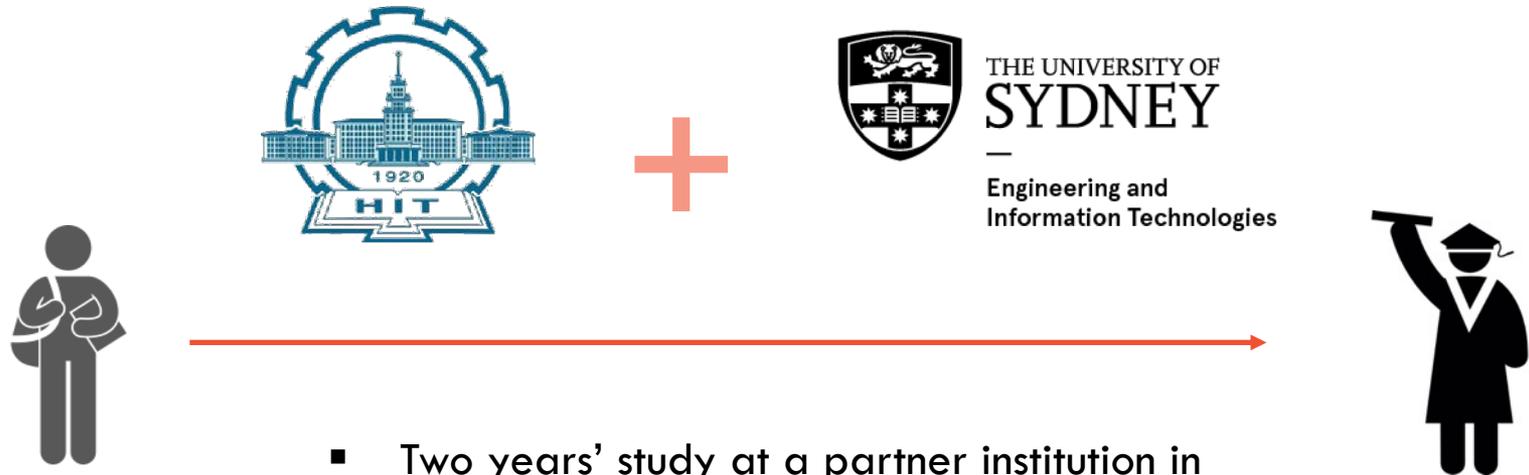
B. Engineering Honours / B. Science (Health)

B. Engineering Honours / B. Science (Medical Science)

6 Years Full Time

B. Engineering Honours / B. Laws

USYD 2+2 Program



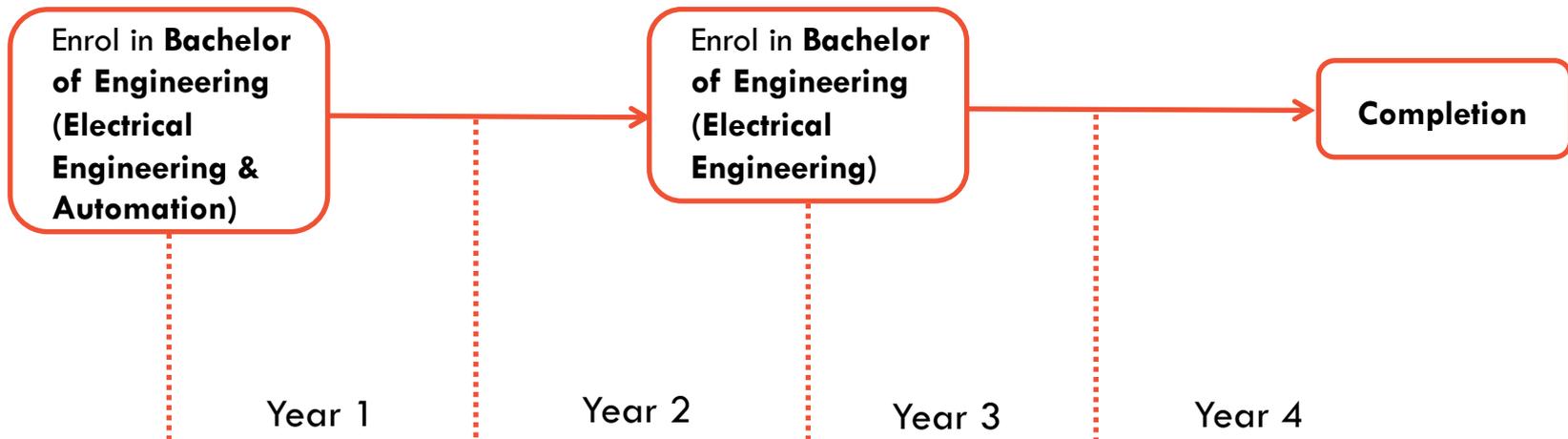
- Two years' study at a partner institution in China
- Two years' study at the Faculty of Engineering and IT, University of Sydney

If you start your degree at Harbin Institute of Technology



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—
Engineering and
Information Technologies

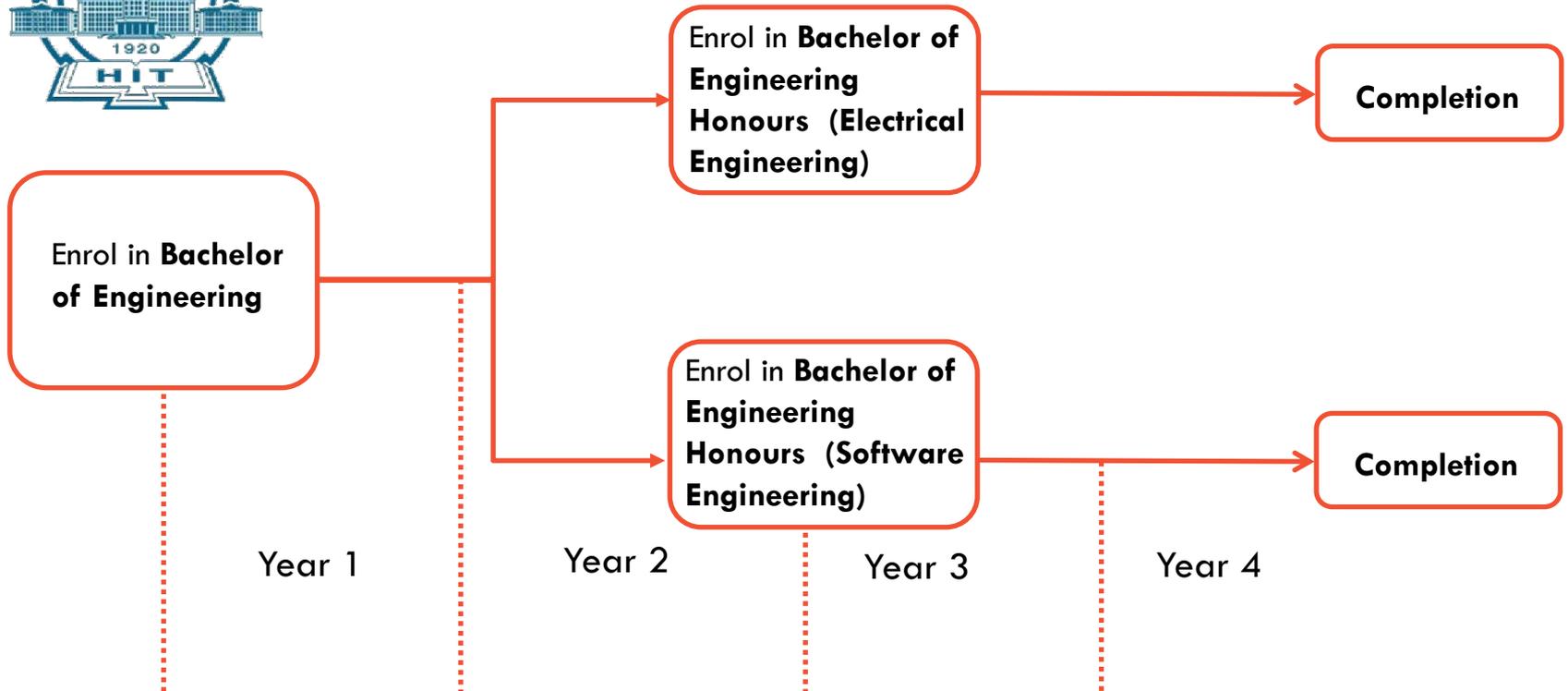


If you start your degree at HIT (Weihai)



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Engineering and
Information Technologies



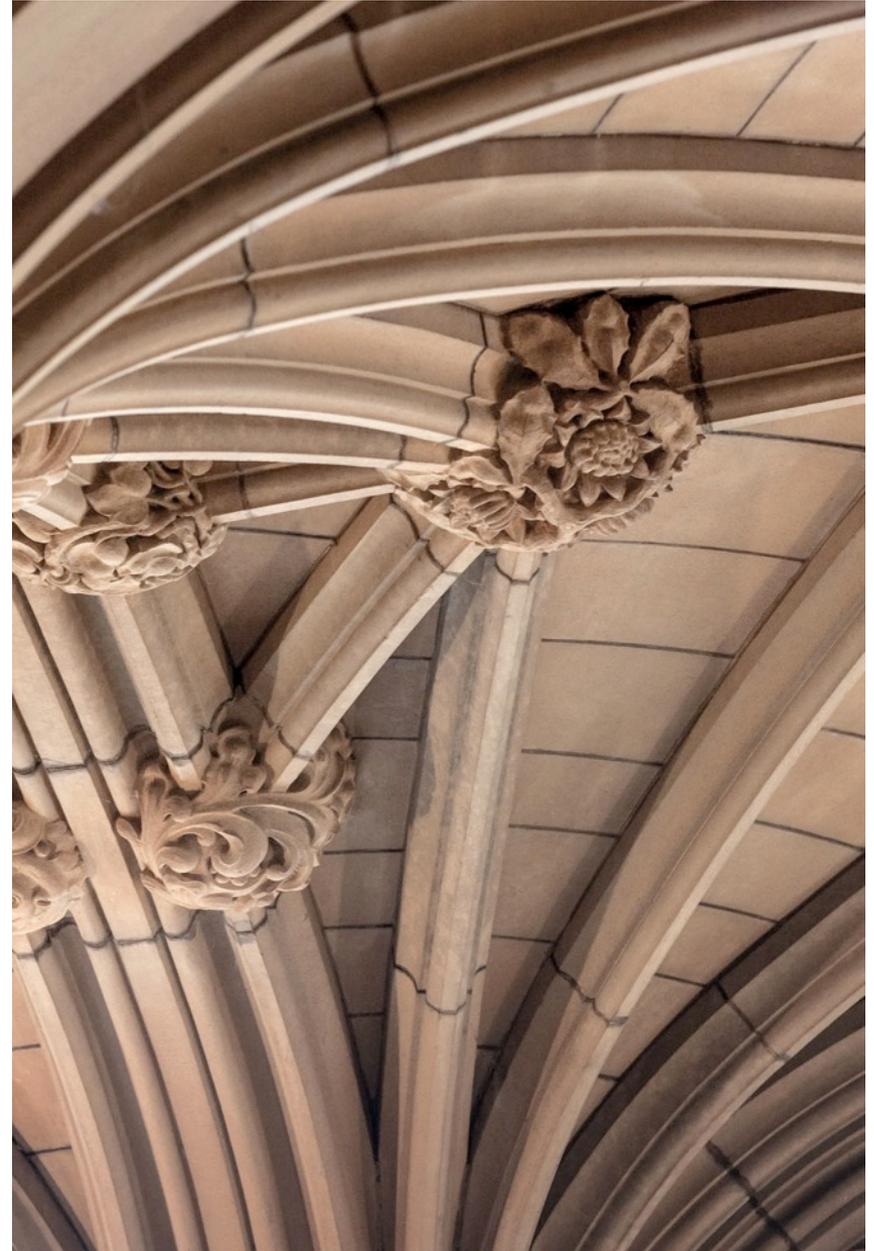
Credit Recognition Agreement Scholarship (HIT and HIT Weihai only)

Eligibility

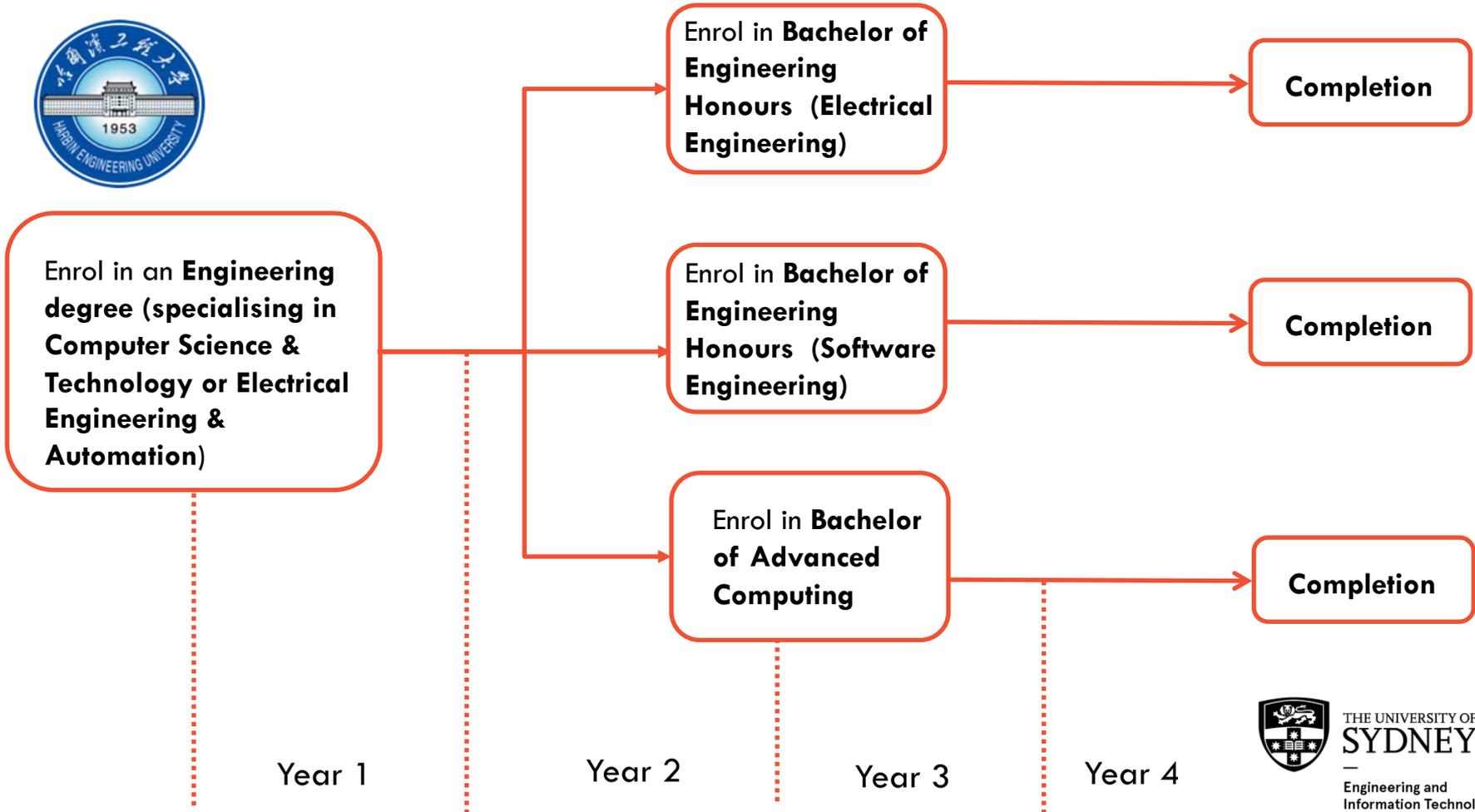
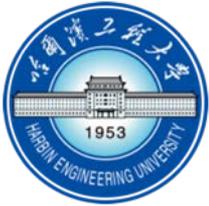
- Enrol in the USYD 2+2 program degree at HIT or HIT (Weihai)
- Achieve a weighted average mark (WAM) higher than 75% in the first two years' study
- Maintain a WAM higher than 65% while studying at USYD in the final two years

Amount

\$5,000 Australian dollars per annum during the final two years studying at USYD



If you start your degree at Harbin Engineering University*



Industry Partnerships & Opportunities

- Guest lecturers/networking sessions
- Careers Fairs on campus
- Sydney Industry Project Placement Scholarship
- Engineering/IT Student Societies
- Research Conversazione – chance for students to showcase research to industry
- John Grill Centre for Project Leadership joint-initiative with Sydney Business School



Australian Government
Department of Defence
Defence Science and
Technology Organisation

**NORTHROP
GRUMMAN**

Johnson & Johnson



World Health
Organization

KPMG




ResMed

THALES

IBM

Telstra



Google

accenture

ARUP

 **Microsoft**

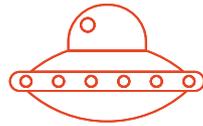
Where can our degrees take you?



Dr Ben Morell
Researcher



Enrolled in a Bachelor of Aeronautical (Space) Engineering



PhD in Aerospace Engineering – Robotic Navigation



Facilitating Zero Robotics Programming Competition in Australia

Completed Honours in Computational aerodynamics



Visiting Researcher at Texas A&M University



Visiting Researcher at NASA Jet Propulsion Laboratory



Why choose USYD?

“When I got to USYD – Prof. Ron Johnston who runs the Dalyell Scholars subjects for engineering summed USYD Engineering up really well:

‘anywhere that offers an engineering degree will teach you to be a problem solver, but Sydney’s a bit different - **we teach you where to find those problems in the first place.**

At the end of the day that’s what differentiates between a good engineering and a great engineer.’”



Jack Naylor

Bachelor Engineering
Honours (Space Major) /
Bachelor of Science
(Advanced)

Why choose USYD?

The primary inventor of two technologies that led to significant areas of application and start-up companies — a FFT chip that led to Lake Technologies and the 802.11a/g wireless LAN, where he solved problems considered intractable by the major companies in the space globally.



Dr John O'Sullivan
B.E., PhD (1974)
Department of Electrical
Engineering
The University of Sydney

Postgraduate Coursework Degrees



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Master of Professional Engineering (MPE)

- Accredited by Engineers Australia and recognized globally
- 3 year full time program for:
 - Students who do not have an Engineering degree and would like to become an engineer
 - Students who have an engineering degree but would like to move to a different engineering discipline
- Also have 2 year version for applicants with an undergraduate engineering degree



- Aerospace
- Biomedical
- Chemical & Biomolecular
- Civil
- Electrical
- Fluids
- Geomechanical
- Mechanical
- Power
- Software
- Structural
- Telecommunications

Master of Professional Engineering (Accelerated) - new

- 2-year version of the existing Master of Professional Engineering
- Same learning outcomes, costs, and entry requirements as MPE
- shorter path for applicants with an undergraduate engineering degree who want to obtain an Australian accredited degree in a related field of engineering
- Specialisations:



- Aerospace
- Biomedical
- Chemical & Biomolecular
- Civil
- Electrical
- Fluids
- Geomechanical
- Mechanical
- Power
- Software
- Structural
- Telecommunications

Master of Engineering (ME)

- 1.5 year full time program:
- Allows students to build on their undergraduate engineering degree by developing specialised technical knowledge
- The program also includes four professional engineering management subjects



- Biomedical
- Chemical & Biomolecular
- Civil
- Electrical
- Fluids
- Geomechanical
- Mechanical
- Power
- Risk Management
- Software
- Structural
- Sustainability & Environmental
- Telecommunications Engineering
- Automation and Manufacturing

Master of Project Management (MPM)

- 1.5 year full time program
- For those with 0-2 years work experience
- Developed to equip students with the fundamental methodologies, modelling and analytical techniques for the design and implementation of projects across a wide range of industries
- Taught online or in intensive block mode



- Global
- Organisational Project Management
- Portfolio and Program
- Risk and Control
- Strategic Change Implementation
- Sustainability

Master of Project and Program Management (MPPM) - new

- 1 year full time program
- For project managers with 2+ years of work experience
- Developed to take students beyond conventional concepts of project management to expand strategic thinking capability and gain organisation skills to manage larger projects and program portfolios
- Capstone project plus optional international study tour opportunity
- Taught online or in intensive block mode



Master of Complex Systems (MCS)

- 2 year full time program
- Gain expertise in modelling, analysing and designing resilient technological, socioeconomic and socioecological systems
- Develop your skills in quantitative modelling and computational simulation of system dynamics, complementing your existing skills in engineering, computer science, information technology, physics, mathematics, health, biology or business.



- Biosecurity
- Ecology
- Engineering
- Research Methods
- Transport

Master of Data Science (MDS)

- 1 year full time program
- Professional degree for people who are passionate about drawing meaningful knowledge from data to drive business decision-making or research output.
- Develop your analytical and technical skills to use data science to guide strategic decisions in your area of expertise.



- Principles of Data Science
- Machine Learning and Artificial Intelligence
- Visual Communication
- Natural Language Processing
- Database Management Systems
- Data Mining
- Visual Analytics
- Statistics and Statistical Methods

Master of Information Technology (MIT)

- 1.5 year full time program
 - For IT professionals seeking to extend & update their technical knowledge of advanced computing subjects
 - Advance your career in diverse areas such as software, engineering, health and many other fields
-
- Digital Media Technology
 - Biomedical and Health Informatics
 - Data Management and Analytics



- Software Engineering
- Networks and Distributed Systems
- Telecommunications Engineering

Master of Information Technology Management (MITM)

- 1.5 year full time program
- For IT professionals who would like to make the transition to management
- Equips students with an in-depth understanding of key areas such as business analytics and intelligence, IT strategy and IT project management



Whilst there are no formal specialisations within this degree, candidates choose from among a wide range of specialist units of study to enhance their learning in the areas of their choice.

- **Professional Pathway**
- **Research Pathway**

Master of Information Technology / Master of Information Technology Management (MIT/MITM)

- 2 year full time program
- For IT professionals who would want to develop both technical and management skills specifically related to technology
- Deepen your technical knowledge of complex IT environments while developing your ability to manage the design, delivery and operation of business technologies.

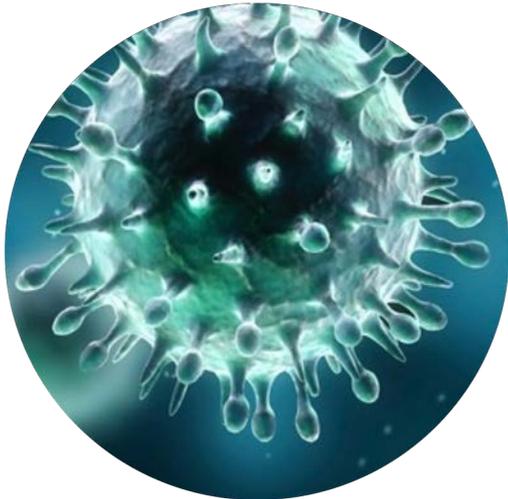


- Digital Media Technology
- Software Engineering
- Data Management and Analytics
- Biomedical and Health Informatics
- Networks and Distributed Systems
- Telecommunications Engineering



Master of Health Technology Innovation (MHTI)

- 2 year full time program
- Developed with support from industry and taught by leaders in medicine and technology
- Designed to equip those from science, technology, engineering or medical backgrounds with the skills to apply advanced technologies to deliver innovative healthcare solutions



Whilst there are no formal specialisations within this degree, candidates choose from among a wide range of specialist units of study to enhance their learning in the areas of their choice.

- **Dissertation Project Pathway**
- **Capstone Project Pathway**



CUSP - Course and Unit of Study Portal

cusp.sydney.edu.au

Programs > IT/CS > IT(Postgrad) > Master of Information Technology (2017)

Show information for commencing students (ie. started First Year then). [?](#)

[Print View](#) | [Download as PDF](#)

[Administrative Information \(Fees, ATAR etc.\)](#)

Semesters	Pathways/Majors	Unit Blocks	Requirements	Reports
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Select plan for Major/Pathway

Year 1 - Semester 1

SITS Diet Block/Type	CP	Unit of Study/Unit Block
Core	6	INFO5990: Professional Practice in IT
Core	6	INFO5992: Understanding IT Innovations
Core	6	INFO6007: Project Management in IT
List	6	Select from Specialist Units Foundation Units Note: The Specialist units chosen may contribute towards a designated Major. See the Streams/Majors section of these tables for details of each Major.

Note: Core units INFO5990, INFO5992 and INFO6007 can be taken in either Semester 1 or Semester 2.

Year 1 - Semester 2

SITS Diet Block/Type	CP	Unit of Study/Unit Block
		Select from

Postgraduate Research Degrees



THE UNIVERSITY OF
SYDNEY



Master of Philosophy (MPhil)

- 1-2 years full time
- Research that makes original contribution to the field
- Submission of a thesis
- Good entry point for PhD

Doctor of Philosophy (PhD)

- 3-4 years full time
- Research that makes substantial and original contribution to the field
- Publish papers and attend conferences
- Complete extensive thesis

Faculty of Engineering & IT Research Strengths

At the University of Sydney, we are **tripling** our investment in research by **2020** to change the way we think about the world and how we live and work in it.

We are one of the world's top research universities and a member of Australia's prestigious **Group of Eight** network and the **Association of Pacific Rim Universities**. The latter partners us with others that excel in research, including Stanford, UCLA, Shanghai Jiao Tong University and the University of Hong Kong.

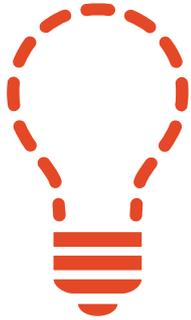
World standard research

The Australian Government ranked all of our research at world standard or above in its latest Excellence in Research for Australia ratings.

Our strategic research themes:

- Biomedical engineering and technologies
- Data science and artificial intelligence
- Food enginomics
- Internet of Things and telecommunications
- Robotics and intelligent systems





#31 in the world

Thomson Reuters Asia
Pacific's Most Innovative
Universities 2017



TRIPLING
our investment
in research by
2020

More than

\$513million
in research funding



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Entry Requirements



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2019 Entry Requirements – Undergraduate International

Full table of international entry requirements

Engineering and Information Technologies	
● B Advanced Computing	90/33
▲ B Advanced Computing/B Commerce	95/36
▲ B Advanced Computing/B Science	90/33
▲ B Advanced Computing/B Science (Health)	90/33
▲ B Advanced Computing/B Science (Medical Science)	90/33
● B Engineering Honours (Dalyell Scholars)†	98/40
● B Engineering Honours (Aeronautical)	85/31
● B Engineering Honours (Biomedical)	85/31
● B Engineering Honours (Chemical and Biomolecular)	85/31
● B Engineering Honours (Civil)	85/31
● B Engineering Honours (Electrical)	85/31
● B Engineering Honours (Flexible First Year)	85/31
● B Engineering Honours (Mechanical)	85/31

Course	ATAR/IB
● B Engineering Honours (Mechatronic)	85/31
● B Engineering Honours (Software)	85/31
● B Engineering Honours with space engineering major	97/39
▲ B Engineering Honours/B Arts	85/31
▲ B Engineering Honours/B Commerce	95/36
▲ B Engineering Honours (Civil)/B Design in Architecture	95/37
▲ B Engineering Honours/B Project Management	85/31
▲ B Engineering Honours/B Science	85/31
▲ B Engineering Honours/B Science (Health)	85/31
▲ B Engineering Honours/B Science (Medical Science)	85/31
● B Project Management	80/28

2019 Entry Requirements – Postgraduate International

University name- The University of Sydney				
Entry requirements for PG courses. This must be used as guideline only not confirmation of entry to the program				
NOOSR	Business / Arts / Architecture	Master of Professional Engineering	Engineering	Information Technology
Sec-I	65% or First Class equivalent	68.5%+	65% or First Class equivalent	65% or First Class equivalent
Sec-II	65% or First Class equivalent	68.5%+	65% or First Class equivalent	65% or First Class equivalent
<i>English Requirement (please also mention individual module requirement if any)</i>				
IELTS	Overall 7 Section min 6	Overall 7 Section min 6	Overall 6.5 Section min 6	Overall 6.5 Section min 6
TOEFL	96 Overall	96 Overall	85 Overall	85 Overall
PTE	Overall 68 Section min 54	Overall 68 Section min 54	Overall 61 Section min 54	Overall 61 Section min 54



Scholarships



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Undergraduate Scholarships (international)

Dr Abdul Kalam International Undergraduate Scholarship (Semester 1 or 2 start)

- 50% tuition fees for maximum 1 year

Vice-Chancellor International Scholarships Scheme

- range from \$5-\$40k in value off 1 year of fees
- awarded on academic merit



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Postgraduate Coursework Scholarships (international)

Dr Abdul Kalam International Postgraduate Scholarship (Semester 1 or 2 start)

- 50% tuition fees for maximum 1 year
- 75% distinction average minimum in undergraduate studies

School of Information Technologies Postgraduate Coursework Entry Scholarship

- Master of IT, Master of IT Management, and MIT/MITM combined degree
- \$6,000 for 1 year

School of Information Technologies Master of Health Technology Innovation Entry Scholarship

- \$6,000 for 1 year

Postgraduate Coursework Scholarships (international)

School of Information Technologies Master of Data Science Entry Scholarship

- Applicants must be a graduate of a quantitative degree program
- \$6,000 for 1 year

School of Information Technologies Postgraduate Coursework Diversity Scholarship

- Applicants from Latin America, the Middle East, or Asia Pacific
- Master of IT, Master of IT Management, MIT/MITM combined degree, and Master of Data Science
- \$6,000 for 1 year

Postgraduate Research Scholarships (international)

Australian Government Research Training Program (RTP) Scholarship (International)

- Available to those applying for Masters or PhD degrees
- Open to all research disciplines
- Covers tuition fees and living allowance stipend for up to 3 years with a possibility of one semester's extension for PhD students
- Awarded based on academic merit and research potential

Note: it may take up to 4 months from submission of application to receiving advice on whether you have been successful. There is no separate scholarship application form, to be considered you must submit an application for admission to your research degree

25+ Faculty Scholarships across a range of disciplines:

<http://sydney.edu.au/scholarships/research/faculty/engineering-it.shtml>

Messaging, Resources, and 2019 Updates



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Our Messaging

- Taught by academics on cutting-edge of new technologies and research...
we teach what we discover
- Highlight our graduate employability and median salary (2017 Gradstats)
 - 79.4% employed (better than national average 71.8%)
 - \$64,000 median salary (better than national average \$60k)
- More than double the national average of female enrolments (34%)
- Flexible First Year - still graduate in four years
- Unique offerings: humanitarian, space, internet of things, biomedical
- New B. Advanced Computing
 - Designed with industry to cope with rapidly changing sector
 - 4 years, 2 majors, choose 2nd from shared pool
- Investment in new buildings within Engineering Precinct

Resources and contacts

CUSP - Course & Unit Study Portal (for degree structures and electives)

<https://cusp.sydney.edu.au/>

YouTube Playlist of all Engineering, IT & Project Management videos:

https://www.youtube.com/watch?v=8e53_rNKvHg&list=PLXSDVg9HvDBjoG3DOKt0jH6H04e1GLoWW

Facebook page

<https://www.facebook.com/Engineering.IT.Sydney.University/>

Instagram page

@ENG_IT_Sydney

Twitter:

@ENG_IT_Sydney

Student Accommodation



THE UNIVERSITY OF
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Queen Mary Building

Features & Facilities:

- Fully furnished bedrooms \$264.00 – 431.00pw
- Utilities included (Gas, Electricity, Water)
- 10GB internet data included per month
- 24/7 Campus Security access
- Gym and bike storage
- Sky lounge, roof-top garden, entertainment lounge
- Music room, study & meeting rooms

Apply now:

sydney.edu.au/accommodation



THE UNIVERSITY OF
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Abercrombie Student Housing

Features & Facilities:

- Fully furnished studio apartments
\$406 – 431.00pw
- Utilities included (Gas, Electricity, Water)
- 10GB internet data included per month
- 24/7 Campus Security access
- Bike storage
- Entertainment areas
- Study & meeting rooms

Apply now:

sydney.edu.au/accommodation



Off-Campus Living

Type	Room	Bill	Furniture	Other cost
Shared accommodations	Private or shared	Included	Furnished or unfurnished	Travel Food
Rental properties (suitable for family)	Private	Separate	Unfurnished	Travel Food
Full board (Homestay)	Private or shared	Included	Furnished	Travel Food is included Shared duties

Accommodation Database

My Profile Accommodation Listings

You are here: Accommodation Information Service / Online accommodation search

ACCOMMODATION SEARCH

Find an accommodation

Hint: To search effectively only enter values into fields that are important to you. Leave all

Type of Accommodation:

Campus/Region:

Suburb:

On-campus or Off-campus?:

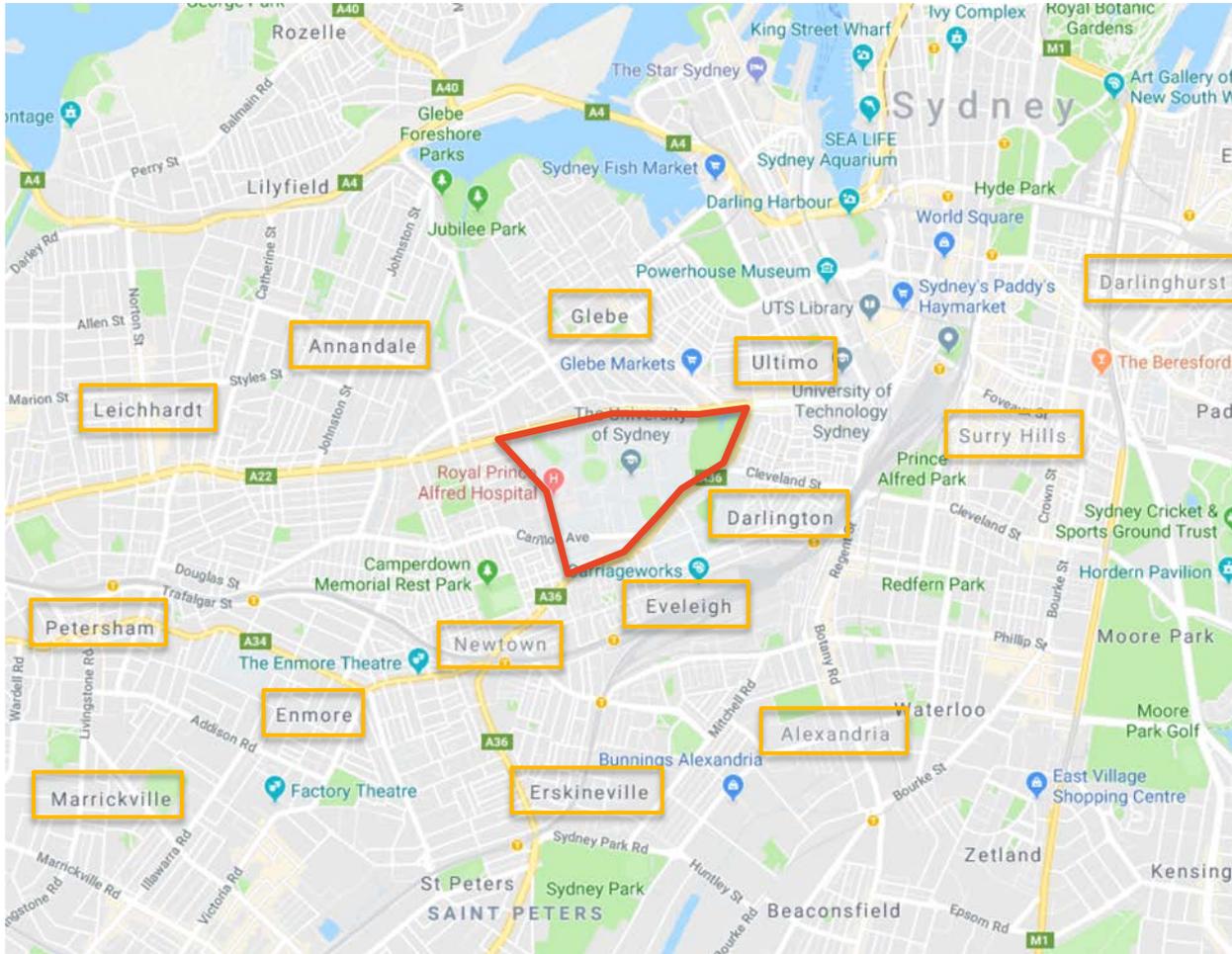
Maximum Rent Per Week:

[Advanced Search](#)

- Log in with your UniKey and password
- Lists hundreds of offers of currently available share accommodation opportunities.
- You must be an enrolled University of Sydney Student
- Also lists rental properties
- Updated daily by Student Accommodation Services
- <http://sydney.edu.au/campus-life/accommodation.html>

You can also look online and join a sharehouse using sites like Flatmates.com.au.

Suburbs near Main Campus to Consider



- Newtown
- Glebe
- Redfern
- Darlington
- Ultimo
- Surry Hills
- Darlinghurst
- Eveleigh
- Alexandria
- Erskineville
- Enmore
- Marrickville
- Petersham
- Leichardt

sydney.edu.au/engineering

Follow-up Questions? Please contact:

Millie Norton-Night

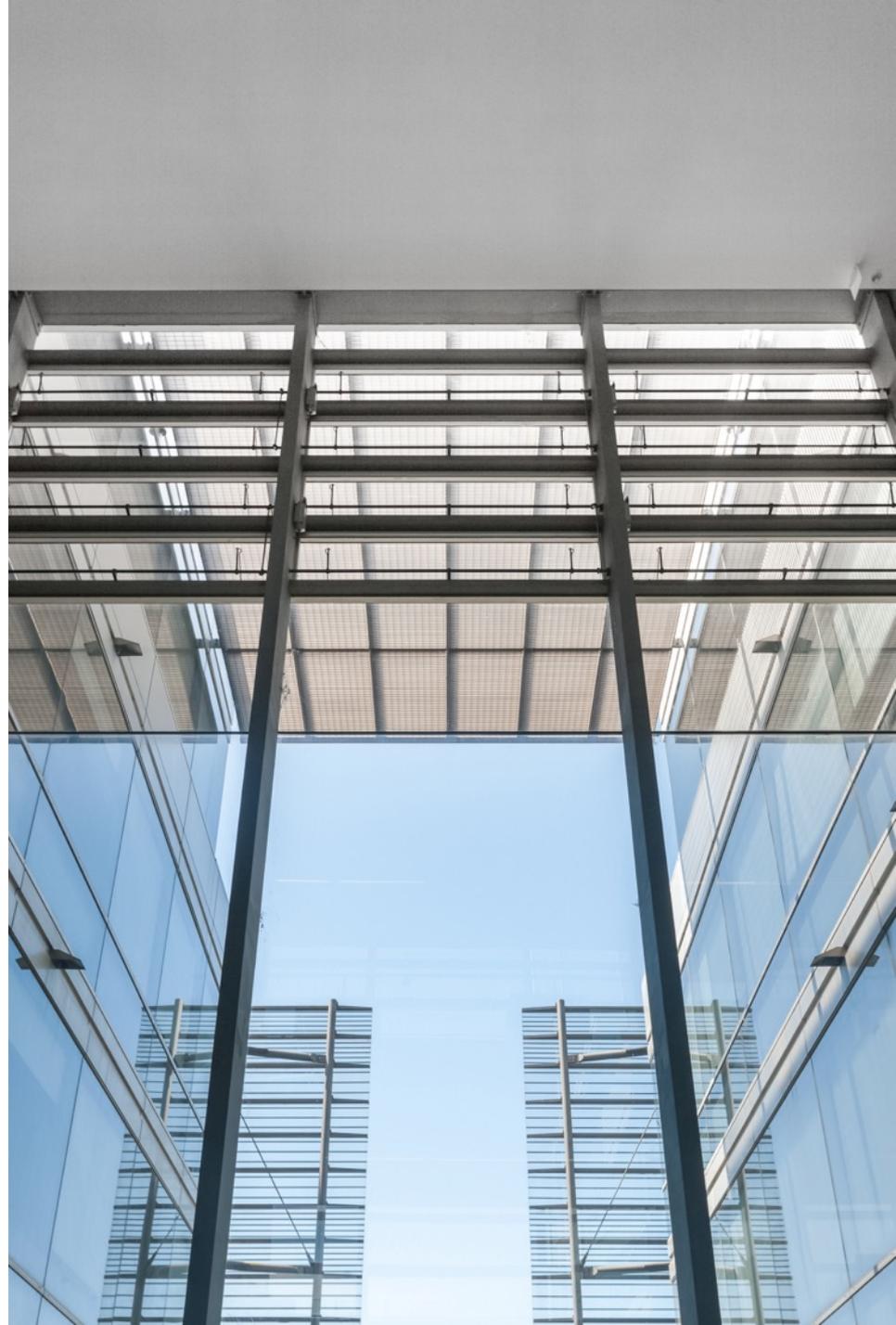
Student Recruitment Manager

Faculty of Engineering & IT

millie.norton-knight@sydney.edu.au



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Tips to make a great UG Scholarship Application



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10 Tips to Make a Great Scholarship Application

1. Focus on specific concrete examples, particularly where you have shown initiative.
2. Be concise. Remember you only have 150 words for each section where you need to provide a leadership statement.
3. Emphasise sustained contributions that go beyond things you had to do to satisfy school requirements.
4. Give a sense of what you are passionate about.
5. Be truthful, factual, accurate, and focused.

10 Tips to Make a Great Scholarship Application

6. Provide relevant evidence! What supports what you have said in your statement.
7. Quotes from others generally do not assist your application.
8. Leadership does not only equal having been a school captain or prefect.
9. Don't forget to upload your CV and school reports.
10. Make sure you apply! You may think you may not get an ATAR of 98 now, but you may be surprised and be disappointed if you didn't end up applying for a scholarship.