Surry Hills
Camperdown/Darlington
CBD
Research farms
Southern Highlands
150km ↑
Sydney Conservatorium of Music
Camden/Cobbitty
60km ↑
WELCOME TO SYDNEY
Join us
Discover why our graduates are ranked first in Australia and fourth in the world for graduate employability.*

2019 key dates .................................... 3
Why choose Sydney? ........................ 4
Sydney - your number one destination................................. 6
Camperdown/Darlington Campus map .................................. 8
Research excellence .......................... 10
Global opportunities .......................... 12
Campus life ...................................... 14
Student support services ....................... 15
Accommodation ................................ 16

Areas of study ●
With 400+ study areas available, you'll be able to customise a degree to perfectly match your goals and interests.

Architecture, design and planning ................................ 21
Arts and social sciences ........................ 22
Business .................................................. 23
Education and social work .................. 24
Engineering and information technologies .... 25
Law .......................................................... 26
Medicine and health ......................... 27
Music ....................................................... 28
Science, agriculture, environment and veterinary science .......... 29

We acknowledge the tradition of custodianship and law of the Country on which the University of Sydney campuses stand. We pay our respects to those who have cared and continue to care for Country.

* QS Graduate Employability Rankings, 2018
Undergraduate courses

A full list of our undergraduate course offerings, with assumed knowledge, prerequisites and career possibilities.

- The Sydney Undergraduate Experience
  - A degree designed for you
  - The combined Bachelor of Advanced Studies
  - Become a Dalyell Scholar
  - Follow your interests
  - Broaden your skills
  - Tackle today’s issues

- 2019 guide to admission criteria for international students
- Undergraduate courses
- Table notes
- Undergraduate courses A-Z
- 2019 guide to admission criteria for domestic students

Postgraduate courses

A full list of our postgraduate course offerings, including course information and tuition fees.

- Postgraduate study
- Postgraduate course index
- Postgraduate courses - table notes
- Postgraduate courses - available full time onshore
- Postgraduate courses - not available full time onshore

How to apply

The next steps. Find out how to apply for your dream course and begin your journey to Sydney.

- Application advice
- How to apply - undergraduate and postgraduate coursework
- How to apply - research
- Academic and English language requirements
- Additional admission criteria
- Fees and costs
- Scholarships and student loans
- Centre for English Teaching
- The University of Sydney preparation programs
- Glossary
## 2019 Key Dates

<table>
<thead>
<tr>
<th>Month</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 2018 - January 2019</td>
<td>Application deadlines vary and for some courses can be a year in advance. Visit our course website for course-specific dates: sydney.edu.au/courses UAC applicants, check: <a href="http://www.uac.edu.au/international">www.uac.edu.au/international</a></td>
</tr>
<tr>
<td>August 2018</td>
<td>Open Day in Sydney – 25 August. sydney.edu.au/open-day</td>
</tr>
<tr>
<td></td>
<td>For Open Days and events around the world, visit sydney.edu.au/international-open-days</td>
</tr>
<tr>
<td>December 2018</td>
<td>Info Day in Sydney sydney.edu.au/info-day</td>
</tr>
<tr>
<td></td>
<td>Australian Year 12 results released and UAC offers made in rounds from December to February.</td>
</tr>
<tr>
<td>January – February 2019</td>
<td>Orientation takes place the week before semester starts – it's a great way to get to know your faculty, teaching staff and fellow students before classes begin. Some faculties and University schools host orientation events in the week before the start of lectures. Semester 1 begins on 25 February 2019. Some courses have an earlier start. Check the start date for your course at sydney.edu.au/courses Once classes start, you have two weeks to try out different subjects (depending on the flexibility within your degree), as long as you finalise your enrolment no later than the Friday of Week 2. Research period 1 begins</td>
</tr>
<tr>
<td>March 2019</td>
<td>If you change your mind about a unit of study, you can still withdraw without academic or financial penalty. This usually falls on the last day of March.* Research period 2 begins</td>
</tr>
<tr>
<td>June 2019</td>
<td>Study vacation, 2 week exam period (from early June) and end of Semester 1</td>
</tr>
<tr>
<td>July 2019</td>
<td>Research period 3 begins</td>
</tr>
<tr>
<td>August 2019</td>
<td>Semester 2 begins on 5 August 2019. Some courses have an earlier start. Check the start date for your course at sydney.edu.au/courses Some faculties and University schools host orientation events in the week before the start of lectures. You can try out different units of study before finalising your enrolment at the end of the second week of semester. You can withdraw from a unit of study without academic or financial penalty. This usually falls on the last day of August.*</td>
</tr>
<tr>
<td>October 2019</td>
<td>Research period 4 begins</td>
</tr>
<tr>
<td>November 2019</td>
<td>Study vacation, 2 week exam period (from mid November) and end of Semester 2</td>
</tr>
</tbody>
</table>

Dates are subject to change. For the latest information, please check sydney.edu.au/dates

* Withdrawal deadlines (census dates) vary for the research periods. To find out more, visit sydney.edu.au/study/admissions-timeline.
WHY CHOOSE SYDNEY?

As Australia’s first university, we aim to instil the skills, knowledge and values you need to become a leader in a rapidly changing world. Combining the highest quality teaching with practical, future-focused learning, you can gain the expertise and experience to solve the most complex challenges - now and in the future.

1st in Australia and 4th in the world for graduate employability¹

Top 50 in world university rankings²

Top 50 in the world for many of our disciplines³

We offer an exceptional range of disciplines – more than 400 areas of study. Enjoy the flexibility of choosing a degree that allows you to combine your strongest interests and gain real-world experience through our internship and project-based learning opportunities.

Outside the classroom, you can make lifelong friends and connections and enjoy unforgettable experiences.
≈300 international partners, so you can combine study and travel

200+ clubs and societies to enrich your student experience

400+ areas to choose from, so you can find the right degree to fulfil your goals

320,000+ alumni to connect you with a worldwide network

#1 for student experience in Australia

1 QS Graduate Employability Rankings 2018
2 QS World University Rankings 2018
3 QS World University Rankings by Subject 2018
Our main campus is located in the heart of one of the most popular cities in the world for international university students.

Set around the world’s largest natural harbour, Sydney is home to beautiful golden beaches, world-class museums and art galleries, delicious fresh food, and a calendar of exciting events and festivals.

“Sydney is a beautiful harbour city with a vibrant student life. I’ve had uncountable cultural experiences since being here which have been some of the appealing features to me as an international student.”

Agus Simahendra
Master of Medicine
(Infection and Immunity)
Home country: Indonesia
The University of Sydney has a network of campuses in the heart of the city and beyond.

Our Camperdown/Darlington Campus is close to Sydney’s business district and sandy beaches. The surrounding areas are both cosmopolitan and multicultural, with the lively suburb of Newtown, laid-back Glebe Point Road, and the bustling Central Park precinct a short walk away.

The campus is also easily accessible by Sydney’s public transport network, being located near Central and Redfern train stations, and on several major bus routes.

We also have several faculty-specific campuses and teaching locations, such as Health Sciences in Cumberland, Dentistry in Surry Hills and Westmead, Sydney Conservatorium of Music, Business School and the Sydney Law School in the central business district, Agriculture and Veterinary Science in Camden, and the Sydney College of the Arts in Rozelle. All are easily reached by public transport.

Discover our campuses:
- sydney.edu.au/campuses

Explore Sydney’s suburbs:
- www.cityofsydney.nsw.gov.au

Learn about public transport:
- www.transportnsw.info

Find your way around campus:
- sydney.edu.au/maps

More reasons to come here

- One of the 15 best cities in the world for international students
- Ranked as one of the world’s top 10 safest cities by The Economist
- Frequent winner of the Condé Nast Traveler Readers Choice Award for Best City
- One of the most multicultural cities in the world – more than a quarter of our residents speak a language other than English
- Australia’s economic capital and home to the Asia-Pacific headquarters of more than 600 multinational companies.

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1 The Daily Telegraph (United Kingdom) and The Huffington Post (United States)
2 Mercer Quality of Living survey 2017; QS Best Student Cities 2017; PwC Cities of Opportunity report
3 The Economist Safe Cities Index, 2017
4 The University intends to move these campuses from their current location to new facilities on the Camperdown/Darlington campus in 2020. For details, visit sydney.edu.au/campuses

International Guide 2019 Join us
We are one of the world’s top research universities and a member of Australia’s prestigious Group of Eight\(^1\) network and the Association of Pacific Rim Universities. As a student, you’ll have the opportunity to learn from and work alongside some of the world’s brightest and most accomplished academics.

\begin{itemize}
  \item In the top 50 of the world’s best research universities\(^2\)
  \item All our research is ranked at world standard or above\(^3\)
  \item Ranked 1st in Australia for research impact.\(^4\)
\end{itemize}

\(^1\) The Group of Eight (Go8) is a coalition of leading Australian universities, intensive in research and comprehensive in general and professional education
\(^2\) QS World University Rankings 2018
\(^3\) Excellence in Research for Australia report 2015
\(^4\) CWTS Leiden Rankings 2017
Our research is driven by the big picture. We provide a hub for industry, government and community groups to collaborate with us and connect with our researchers and students. The development of major innovations, such as an intelligent robot that automates many farming processes and a squirtable elastic glue that surgeons can use to heal wounds, started here.

We are also home to 90 world-renowned multidisciplinary research and teaching centres that tackle some of the world’s biggest challenges, such as health, climate change and food security. These centres include:

- the Charles Perkins Centre, which is dedicated to easing the global burden of obesity, diabetes, cardiovascular disease and related conditions
- the Brain and Mind Centre, a leader in research, education and treatment of a range of diseases from autism to schizophrenia, depression, dementia and Parkinson’s disease
- the Australian Institute for Nanoscale Science and Technology, which is transforming Sydney into a global hub for discovering and harnessing new science at the nanoscale.

We invest in research that changes the way we think about the world, and collaborate with other universities, including Stanford, UCLA, the University of Edinburgh, Utrecht University, Shanghai Jiao Tong University, and the University of Hong Kong. Find out more about our research:

- sydney.edu.au/research
GLOBAL OPPORTUNITIES

We partner with close to 300 universities in 42 countries to give you access to global opportunities that will broaden your horizons.

Get a global education

Our placement and exchange opportunities will set you up for a global career as you develop the cultural competencies and confidence to work effectively across borders.

Opportunities include:
- 128 partner universities that are ranked in the top 200 worldwide*
- short-term, semester and year-long program options
- overseas field schools such as the Sydney Southeast Asia Centre’s multidisciplinary schools, where you could tackle real-world problems in Cambodia, Indonesia, Laos, Singapore, Timor-Leste and Vietnam
- intensive in-country Open Learning Environment units where you study language and culture at a partner university in Asia, the Pacific, Europe or North Africa
- short-term summer programs at prestigious universities like Harvard, Yale and the London School of Economics
- global professional placements such as the University of Sydney Business School’s Industry Placement Program provide you with the opportunity to work and study in the US, China, France or Chile during semester breaks.

Choose a program

You can use our global mobility database to search by location or institution name and filter your search results by ranking, level of study, duration, language of instruction and subject areas.
- sydney-au-sa.terradotta.com

Global Citizenship Award

The Global Citizenship Award (GCA) is an extra-curricular program providing you with distinctive international and leadership opportunities to prepare you for your future as a global citizen. Through the GCA you’ll receive support to make the most of overseas and local student programs such as international exchange, faculty-led programs, international internships and volunteering.
- sydney.edu.au/scholarships/current/exchange

Funding

By 2020, we aim for 50 percent of our students to have an international experience as part of their studies, with scholarship funding available for at least half of this group. Scholarships are offered by Sydney Abroad, faculties and external groups such as community organisations, exchange partners and foreign governments.
- sydney.edu.au/scholarships/
Non-award programs

If you are not sure about studying a full degree at the University of Sydney, you can study for one or two semesters on a non-award basis. You will have more than 2500 units of study to choose from and will receive an official academic transcript at the end of your study period. You can use that transcript to request credit at your home institution. Depending on your home institution’s relationship with the University of Sydney, you can apply as a study abroad or an exchange student.

Exchange

If you’re enrolled at one of our international partner universities, you may be eligible to apply for exchange. When you join us as an exchange student, your tuition fees are paid to your home university while you study at Sydney. You need to apply to your home university’s international exchange program first.

More information

To check if your home university is one of our exchange partners, visit − sydney-au-sa.terradotta.com

Study abroad

If your home university does not have an exchange partnership with us, you can still apply for non-award study as a study abroad student. You can come for one or two semesters and tuition fees will apply. If you are looking for something shorter, we have short-term programs that run from late May to mid-August.

We also offer programs for those just finishing secondary school, interested in a gap year or semester, or in their first year of university study.

Study abroad indicative semester tuition fees for 2018**
A$12,300 flat rate study abroad tuition fee

Short-term indicative tuition fees for 2018**
1 unit of study – A$3075
2 units of study – A$6150

* Times Higher Education World University Rankings 2018
** Tuition fees are quoted in Australian dollars and correct at the time of publication. All tuition fees are subject to an annual review by the University and subject to increase each year, effective at the beginning of each calendar year.

“As someone who wants to work in advertising, spending a semester in Toronto was especially cool. There are incredible agencies and startups in Toronto, and I was able to take some advertising and media courses while on exchange. It gave me a fresh new outlook on my career, something I could never have achieved without going on exchange.”

Margot Alais
Bachelor of Arts
Exchange to University of Toronto, Canada
Dual citizen: USA and Australia
We have a packed calendar of events and celebrations for you to enjoy. With more than 200 clubs and societies, including 26 cultural groups, and 130+ nationalities on campus, there’s something for everyone.

Our clubs and societies provide endless opportunities for networking, fun and leadership. Cultural groups include the Ekansh Indian Cultural Society, Sydney University Sikh Society and the South Asian Business Society (SABS). There is also a huge range of facilities, programs and campus events to keep you healthy and active during your time at university.

200+ clubs and societies, 4 live performance spaces and 12 cafés on campus
sydney.edu.au/student-clubs

The University of Sydney Union is a student-led organisation that runs many activities and invests all funds back into the student experience.
www.usu.edu.au

Excellent sporting facilities, including 2 fitness centres and a 50-metre swimming pool
www.susf.com.au
When you get to the University of Sydney, you’ll have plenty of help. Here are just a few of the ways we support your health, wellbeing and academic achievement.

Disability services
- Assistive technology
- Lecture support
- Building access and accessible facilities
- Academic adjustments
- Accessible formatting

Multifaith chaplaincy
- Chaplains from 15 faith groups for on-campus consultations
- Dedicated prayer rooms

Orientation and arrival sessions
- Welcome to university
- Settling into Sydney
- Arrival sessions for international students
- Information on support services
- Meet fellow students and staff
- Adjusting to study life

Health and wellbeing*
- Doctors
- Pharmacists
- Dentists
- Optometrists
- Physiotherapists
- Psychologists

Financial support
- Help with essential living costs and study-related expenses

Career support
- International student career development program
- Employability skills workshops
- Transition support to the Australian workplace
- Resume writing, interview skills and career planning advice
- Meet employers at careers fairs and events
- Sydney CareerHub, an online jobs database

Childcare information
- Advice about childcare on and near campus

Mental health
- Clinical psychologists and counsellors
- Mental health support
- Workshops for success
- Resilience training

* These services may involve fees for services and retail costs for goods.

Academic, language and learning support
- Accelerated learning
- Transition/bridging courses
- Online learning resources
- Practical skills workshops

Academic enrichment
- Bridging courses
- Online learning resources
- Drop-in support
- Mathematics learning support

Accommodation
- On-campus student housing
- Residential colleges
- Off-campus living
- Thriving communities

International Guide 2019 Join us
There are several accommodation options to choose from, including University residences, residential colleges and independently-run student housing.

Our Accommodation Services website is a great place to get started. You’ll find advice on where to live, expected costs, and accommodation options on and off campus. This service also allows you to register for University-owned housing. On-campus accommodation is limited and we advise you to apply well in advance to secure a place.

− sydney.edu.au/accommodation

Temporary arrival accommodation
Before you move to Sydney, we recommend you book a temporary place to stay. Once you get here, you can look for longer-term accommodation.

− sydney.edu.au/accommodation/short_term

On-campus – residential colleges (fully catered)
The University has eight residential colleges on the Camperdown/Darlington Campus, including International House, a residential community of global scholars. Colleges provide comfortable, fully furnished single rooms and daily meals, along with sporting, cultural, leadership and social programs. They also include on-site tutorials and campus-based classes.

− sydney.edu.au/colleges

University residences (self-catered)
The University manages three residences on the Camperdown/Darlington Campus: Queen Mary Building, Abercrombie Student Accommodation and the Regiment. Together, they provide rooms for up to 1600 students.

These residences provide modern single-study rooms with large common living, learning and study spaces, and host student-led arts, cultural, sporting, academic, leadership and social programs.

The University also provides apartments and shared housing around the Camperdown/Darlington, Camden and Cumberland* campuses.

Private providers offer furnished rooms in shared or self-contained apartments in residential buildings, usually within walking distance of the University.

Off-campus living
More than 90 percent of our students live off campus. The University is close to many vibrant and multicultural suburbs such as Annandale, Newtown, Chippendale and Glebe. A great place to start searching for accommodation is our large online database of properties.

− sydney.edu.au/accommodation

Images (left to right): Queen Mary Building, Abercrombie, St John’s College
Camperdown/Darlington Campus

University residences (A$205–$431 per week)
University residences are on campus and managed by University Accommodation Services. They are available to undergraduate and postgraduate students. Note: Selle House is for postgraduate students only.

<table>
<thead>
<tr>
<th>Places</th>
<th>Gender</th>
<th>Phone</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abercrombie</td>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Darlington House</td>
<td>54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Queen Mary Building</td>
<td>799</td>
<td>F, M</td>
<td>+61 2 9551 3322 sydney.edu.au/accommodation</td>
</tr>
<tr>
<td>Regiment</td>
<td>600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Selle House</td>
<td>14 (PG only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Terraces</td>
<td>78</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Residential colleges (A$397–$687 per week)
These residential colleges on campus are managed by external providers.

<table>
<thead>
<tr>
<th>Places</th>
<th>Gender</th>
<th>Phone</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>International House</td>
<td>200</td>
<td>F, M</td>
<td>+61 2 9950 9800 sydney.edu.au/internationalhouse</td>
</tr>
<tr>
<td>Mandelbaum House</td>
<td>36</td>
<td>F, M</td>
<td>+61 2 9692 5200 <a href="http://www.mandelbaum.usyd.edu.au">www.mandelbaum.usyd.edu.au</a></td>
</tr>
<tr>
<td>Sancta Sophia College</td>
<td>170 (UG) 128 (PG)</td>
<td>F, M</td>
<td>+61 2 9577 2100 <a href="http://www.santasophiacollege.edu.au">www.santasophiacollege.edu.au</a></td>
</tr>
<tr>
<td>St Andrew’s College</td>
<td>285</td>
<td>F, M</td>
<td>+61 2 9565 7300 <a href="http://www.standrewscollege.edu.au">www.standrewscollege.edu.au</a></td>
</tr>
<tr>
<td>St John’s College</td>
<td>252</td>
<td>F, M</td>
<td>+61 2 9394 5000 <a href="http://www.stjohnscollege.edu.au">www.stjohnscollege.edu.au</a></td>
</tr>
<tr>
<td>St Paul’s College</td>
<td>300</td>
<td>F, M</td>
<td>+61 2 9550 7444 <a href="http://www.stpauls.edu.au">www.stpauls.edu.au</a></td>
</tr>
<tr>
<td>Wesley College</td>
<td>260</td>
<td>F, M</td>
<td>+61 2 9565 3333 <a href="http://www.wesleycollege.usyd.edu.au">www.wesleycollege.usyd.edu.au</a></td>
</tr>
<tr>
<td>The Women’s College</td>
<td>280</td>
<td>F</td>
<td>+61 2 9517 5000 <a href="http://www.thewomenscollege.com.au">www.thewomenscollege.com.au</a></td>
</tr>
</tbody>
</table>

Independently run student housing (A$90–$649 per week)
Independently run accommodation close to campus provides residential options to undergraduate and postgraduate students.

<table>
<thead>
<tr>
<th>Places</th>
<th>Gender</th>
<th>Phone</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sydney University Village</td>
<td>650</td>
<td>F, M</td>
<td>+61 2 9036 4000 <a href="http://www.sydneyuv.com.au">www.sydneyuv.com.au</a></td>
</tr>
<tr>
<td>Stucco</td>
<td>40</td>
<td>F, M</td>
<td><a href="http://www.stucco.org.au">www.stucco.org.au</a></td>
</tr>
</tbody>
</table>

Camden and Cumberland* campuses

University residences (A$140–$335 per week)
The Camden and Cumberland* campuses University residences are managed by the University Accommodation Services and are available to undergraduate and postgraduate students.

<table>
<thead>
<tr>
<th>Places</th>
<th>Gender</th>
<th>Phone</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nepean Hall (Camden)</td>
<td>43</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nepean Lodge (Camden)</td>
<td>98</td>
<td>F, M</td>
<td>+61 2 9351 1645 sydney.edu.au/accommodation</td>
</tr>
<tr>
<td>Yannadah (Cumberland)</td>
<td>39</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For information on approximate living costs in Sydney, including accommodation, transport and other living expenses, please visit:
- sydney.edu.au/study/living-costs

Important fee information
The accommodation fees listed are quoted in Australian dollars. They are intended as a guide for students and are based on 2018 fees for new students. They are correct at the time of printing to the best of the University of Sydney’s knowledge. Students should contact the individual accommodation providers for detailed and up-to-date information, including additional costs and fees. Please note that some colleges charge non-refundable application fees. Students are also advised that some residences have 52-week contracts, while others only provide accommodation during semester.

* The University intends to move the Faculty of Health Sciences from its current location in Cumberland to new facilities on the Camperdown/Darlington Campus in 2020. For more information, visit sydney.edu.au/campuses
“I wanted to come to a place I had not been before and I love the multicultural aspect of Sydney and, of course, the beaches!”

Bethan Rowsby
Exchange student: Faculty of Science
Home country: United Kingdom
AREAS OF STUDY
The University of Sydney is consistently placed among the top 50 universities in the world. Our rankings reflect our achievements as one of the world’s leading providers of research and education for more than 160 years.

1st in Australia and 2nd in the world for sport, physical therapy and rehabilitation*

1st in Australia and 11th in the world for veterinary science*

1st in Australia and 16th in the world for architecture/built environment*

1st in Australia for our MBA and Master of Management**

1st in Australia for mechanical, aeronautical and manufacturing engineering*

12th in the world for education*

14th in the world for law*

15th in the world for life sciences and medicine*

17th in the world for arts and humanities*

* QS World University Rankings by Subject 2018
ARCHITECTURE, DESIGN AND PLANNING

Career options
- Architect
- Building designer
- Construction manager
- Data visualisation specialist
- Design manager
- Front-end developer
- Interaction designer
- Lighting designer
- Property and real estate developer
- Project manager
- Service designer
- Sustainability manager
- Urban planner
- User-experience (UX) designer

Why study here?
- We have the only indoor environment quality (IEQ) laboratory in the southern hemisphere, an extensive research lighting laboratory, and outstanding audio and acoustic facilities.
- Our Bachelor of Design Computing combines creativity and code to prepare you for a career in interaction design and creative technologies.
- We have one of the best-equipped design, modelling and fabrication labs in Australia and provide dedicated studio spaces for students.
- Our Master of Architecture, Master of Urban and Regional Planning and Master of Illumination Design degrees are each accredited and recognised by the relevant societies and institutes (subject to practical experience).

Invent with intent. When you study here, you’ll combine creative flair with finely-tuned technical skills to shape the services, experiences and spaces in which we live, work and play.

From designing a single house to master planning entire cities, opportunities for architects and urban planners abound.

As Australia’s top-ranked school in the field of architecture and built environment subjects*, we strive for intellectual excellence, and creative and critical thinking.

Our undergraduate and postgraduate degrees in interaction design provide specialised training for the rapidly emerging fields of user experience (UX) and creative technologies. You’ll join the leading edge of interaction design through websites, mobile applications and services for the internet of things.

- sydney.edu.au/courses/architecture

**Career options**

- Architect
- Building designer
- Construction manager
- Data visualisation specialist
- Design manager
- Front-end developer
- Interaction designer
- Lighting designer
- Property and real estate developer
- Project manager
- Service designer
- Sustainability manager
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- Our Master of Architecture, Master of Urban and Regional Planning and Master of Illumination Design degrees are each accredited and recognised by the relevant societies and institutes (subject to practical experience).

In a world of design and digital culture, it’s a fantastic time for a creative career.

*QS World University Rankings by Subject 2018

“During my degree I had the chance to exhibit some of my projects at the faculty’s Tin Sheds Gallery. This helped me to find an internship, which has resulted in ongoing employment.”

**Armando Bretón Olguín**
Master of Interaction Design and Electronic Arts
Senior UX designer, Fairfax Media
Home country: Mexico
In the arts and social sciences we’re all about ideas. Whether in the classroom, on an industry placement or overseas exchange, you will bring your intellectual curiosity to bear on some of the most complex issues and questions of the 21st century.

At Sydney, you’ll develop the skills to think rigorously, assess assumptions, develop strategies and test ideas against evidence. You will learn from outstanding scholars across more than 45 subject areas of your choosing, from anthropology, digital cultures and economics to languages, linguistics and sociology.

sydney.edu.au/courses/arts

Career options
- Anthropologist
- Archaeologist
- Artist
- Business administrator or manager
- Economist
- Editor or publisher
- Foreign affairs and trade officer
- Government policy officer
- Heritage specialist
- Journalist
- Museum or gallery curator
- Policy adviser
- Public relations manager
- Researcher
- Sociologist
- Teacher
- Translator

Why study here?
- Our alumni include five prime ministers, one Nobel laureate, one Pulitzer Prize winner, and one astronaut.
- We have more than 450 academic staff who are active researchers, educators and practitioners in their fields.
- We offer one of Australia’s most comprehensive ranges of arts and social sciences subjects.
- We are ranked in the top 30 in the world for anthropology, archaeology, development studies, education, English language and literature, history, modern languages, politics and international studies, social policy and administration, and social sciences and management.*

Learn from leading international experts across more than 45 subjects.

17th in the world for arts and humanities.*

“The University of Sydney was my first choice because it’s one of the highest ranking universities in the world, and, as Australia’s first university, it has a rich cultural heritage. It also offered a degree in international relations taught by internationally acclaimed specialists, which is what I was looking for in my postgraduate studies.”

Melvin Bandua
Master of International Relations
Home country: Ghana

* QS World University Rankings by Subject 2018
At Sydney, you can look forward to a wealth of opportunities across diverse industries. You’ll gain the skills to succeed in business or build your own startup, and you’ll graduate equipped to become a leader and drive change with social, environmental and commercial impact.

Meet the future demands of business with one of our degrees, developed in partnership with industry leaders. You can choose from a large range of business majors including accounting, banking, business law, data analysis and information systems, entrepreneurship, finance, human resources, international business, management and marketing.

Postgraduate students can choose from an MBA, Master of Management, Master of Commerce, Master of Professional Accounting and a full suite of specialised postgraduate degrees and professional development programs.

When I left Norway I didn’t know which career I wanted to pursue and the opportunity to tailor my degree towards my passions in the Bachelor of Commerce was appealing. I also knew the Business School had a great reputation for teaching excellence, so it was the ideal choice.”

Jenny Stokkevag Berg
Bachelor of Commerce
Home country: Norway
EDUCATION AND SOCIAL WORK

Career options
- Careers adviser
- Community liaison officer
- Corporate trainer
- Counsellor
- Curriculum developer
- Early childhood teacher
- Human rights advocate
- International aid worker
- Primary teacher
- Secondary teacher
- Social policy analyst
- Social worker

Why study here?
- We’ve been delivering education degrees for more than 100 years and social work degrees for nearly 80 years.
- We offer undergraduate and postgraduate teaching and social work degrees that are recognised in Australia.
- Our students learn in real-world settings and spend time in professional practice placements.

Make a world of difference through teaching or social work. At Sydney, you’ll explore ideas and issues in your field to become a highly informed practitioner and lifelong learner.

Engage minds and ignite the creativity of the next generation. Become an accredited teacher in either early childhood, primary or secondary teaching through our Bachelor of Education or Master of Teaching degrees. We offer the opportunity to obtain teaching qualifications in a diverse range of areas including economics, English, health and physical education, languages, mathematics, science, teaching English to speakers of other languages (TESOL) and many more.

We also offer degrees for trained teachers, designed to enhance your practical skills and deepen your understanding of educational theory and research.

Our social work degrees prepare you to change lives for the better. Studying social work will engage you in policy development, frontline social care, counselling, advocacy and community development.

- sydney.edu.au/courses/education-social-work

Develop versatile skills that are widely sought after around the world.
12th in the world for education*  

“As a social worker, you can have an impact on every client relationship. In this career path, technology can’t solve issues – it requires professional problem-solving skills. A degree in social work will give me the opportunity to have a life-changing impact on an intimate level and on a larger scale by engaging with the public to promote goals for human rights.”

Kasumi Higewake  
Bachelor of Social Work  
Home country: Japan

* QS World University Rankings by Subject 2018
ENGINEERING AND INFORMATION TECHNOLOGIES

Career options

- Aircraft/aerospace engineer
- Biomedical engineer
- Chemical engineer
- Civil engineer
- Computer programmer
- Computer systems analyst
- Electrical engineer
- Mechanical engineer
- Mechatronics/robotics engineer
- Project/events manager
- Software developer
- Transport engineer
- Web developer, including user interface design

Make a powerful impact to improve the lives of people around the world with a degree in engineering, project management or advanced computing at Sydney.

Our students have the opportunity to forge connections with our network of more than 1200 industry, not-for-profit and government organisations. They’re learning to create smarter ways of running our planet, combining technical expertise with hands-on experience to develop creative and sustainable solutions. They help airlines to fly cleaner and farmers to increase crop yields, explore deep under water or in outer space, and bring solar power to remote communities.

From AI to space travel, engineers, project managers and IT professionals are creating solutions to society’s greatest problems.

- sydney.edu.au/courses/engineering-IT

Why study here?

- Largest biomedical engineering program of its kind in the southern hemisphere.
- Our engineering degrees are accredited by Engineers Australia.
- 75 percent of the fastest growing occupations need STEM skills and knowledge.*
- Our information technology degrees are accredited by the Australian Computer Society as professional-level courses.
- Our Master of Project Management is accredited by the Project Management Institute’s Global Accreditation Center.

“...The experience of living and studying here has already enhanced my skills and knowledge. My lecturers are renowned researchers and industry practitioners and my classmates come from a range of work and cultural backgrounds. With what I’ve learned, I hope to contribute a great deal to IT in the education sector.”

Maria Clarisse Ligunas
Master of Information Technology Management
Home country: Philippines

* Australian Industry Group Report
** QS World University Rankings by Subject 2018
Studying law at Sydney will give you the skills in research, analysis and persuasive communication that will qualify you to take on roles in many fields, both within the legal profession and in other contexts.

The University of Sydney Law School has a 160-year tradition of academic strength and strong ties with the legal profession. As one of the world’s leading law schools, we’re ranked 14th in law in the QS World University Rankings by Subject 2018.

With flexible programs covering crime, constitutional law, contracts, banking and finance, media law, social justice and more, you will learn to apply various areas of law to real cases. From geopolitics in international law to global warming in environmental law, medicine in tort law and sociology in family law, you will gain sharp social observation skills and a deep sense of ethics and community service.

Career options

Legal
- Barrister
- Judge
- Magistrate
- Solicitor

Non-legal
- Diplomacy
- Foreign affairs
- Human rights
- International relations
- Investment banking
- Journalism
- Management consultancy
- Project management
- Public policy
- Research and development

Why study here?

- We’re ranked 14th in the world for law.*
- Our alumni include prime ministers, High Court judges and a president of the World Bank.
- Sydney Law School is the only law school in the world to win the prestigious Philip C. Jessup International Law Moot Court Competition five times, including in 2017.
- Our Bachelor of Laws (LLB) is accredited by the Legal Profession Admission Board (LPAB) and meets the academic requirements to practise law in New South Wales.**

* QS World University Rankings by Subject 2018
** For details about professional recognition and course accreditation interstate and overseas, see sydney.edu.au/law/career-support

“I’m very happy I chose to complete my Juris Doctor (JD) at Sydney. It’s arguably one of the most difficult JD programs in the country and getting through it is very rewarding. The best thing about the law school has been the brilliant teachers and academics who are always willing to help their hard-working students.”

Sam Frouhar
Juris Doctor
Home country: Canada
MEDICINE AND HEALTH

Career options
- Biomedical engineer
- Dentist
- Diagnostic radiographer
- Doctor
- Exercise and sport scientist
- Exercise physiologist
- Health policy
- Health management/educator
- Indigenous health
- International aid and development
- Occupational therapist
- Oral health specialist
- Pharmaceutical representative
- Pharmacist
- Physiotherapist
- Registered nurse
- Rehabilitation counsellor
- Speech pathologist

Pursue your future in health and choose from the largest range of health degrees of any Australian university. Our graduates go on to improve lives, for individuals and families as well as local and global communities.

Health is one of the fastest-growing sectors in Australia and around the world – doctors, dentists, nurses, pharmacists and health professionals of all kinds are in constant demand. The study of health offers broad choice and clear career progression, with rewarding pathways, and at Sydney you’ll develop a range of invaluable skills, from patient interaction to teamwork, leadership and research.

Our graduates are globally aware, highly skilled and go on to improve lives for individuals, families and communities across the world.

- sydney.edu.au/courses/medicine-and-health

Why study here?
- We’re ranked 1st in Asia-Pacific and 18th in the world for public health.*
- Ranked 15th in the world for nursing and 18th for pharmacy.**
- We’re investing in a new health precinct, uniting multiple health disciplines and supporting state-of-the-art clinical simulation, a multi-service clinic and team-based research.
- We offer the largest range of health courses of any Australian university.
- Many of our degrees are accredited internationally (visit relevant course pages for details on international accreditation).

“I studied in Canada in a commerce degree initially and decided to change paths. I thought that moving halfway around the world would be a pretty cool adventure so I decided to come and study at the University of Sydney.”

Sean Hassan
Doctor of Medicine
Home country: Canada

*2017 Academic Ranking of World Universities
**QS World University Rankings by Subject 2018
The Sydney Conservatorium of Music has been at the centre of Sydney’s cultural history for more than 100 years. Studying here will define your career and shape you as a person.

As one of the most prestigious music schools in the Asia-Pacific region, music is our life. We will challenge and engage your music world, and give you the opportunity to be mentored by leaders across all areas of music. We also collaborate with many leading international music conservatories and universities, providing you with the opportunity for exchanges, and to engage with and learn from visiting international artists.

Our flexible undergraduate degrees in composition, performance, contemporary music and musicology allow you to combine your music studies with a range of other subjects from across the University. We also welcome postgraduate students in diverse areas of research, particularly ethnomusicology and Indigenous music.

Career options
- Arts administrator
- Audio engineer
- Chamber/orchestral musician
- Concert soloist
- Conductor
- Contemporary or jazz musician
- Digital music composer
- Event producer
- Film score composer
- Interactive music designer
- Music journalist
- Music producer
- Music researcher
- NSW accredited classroom music teacher
- Opera singer

Why study here?
- Demand for musical excellence has never been greater, from the concert hall to the big screen, orchestra pit to the smartphone, or the Xbox to the opera theatre.
- The Conservatorium is located in Sydney’s CBD and Botanic Gardens; just a short stroll to the Sydney Opera House.
- Alumni include internationally renowned musicians Richard Bonyge, Simone Young, Richard Tognetti, James Morrison, and contemporary Australian musicians Paul Mac, Iva Davis, The Presets and DJ Alison Wonderland.

The best facilities to study music in the Asia-Pacific region.

“"The Con not only has incredibly qualified pedagogues and performers in all areas of music, but also an amazing and creative environment for musicians of all ages. It provides a range of opportunities, including music industry internships, masterclasses with international soloists, and performing with ensembles.”

Sofia Obando
Bachelor of Music – Bassoon
Home country: Costa Rica

sydney.edu.au/courses/music
Career options

- Agricultural consultant
- Astronomer
- Commodity trader
- Environmental scientist
- Food technologist
- Hydrologist
- Livestock manager
- Mathematician
- Medical scientist
- Nanoscientist
- Nutritionist
- Plant geneticist
- Psychologist
- Veterinarian

Why study here?

- We have new science degrees in mathematics and health.
- We have 25 years of experience delivering specialised programs for talented students, now known as the Dalyell Scholars program, which provides opportunities for advanced coursework, mentoring and working alongside experts.
- Our new undergraduate Applied Medical Science major will have most classes taught at Westmead – a medical precinct that includes a number of hospitals and medical research institutes.
- Our Master of Clinical Psychology, Master of Nutrition and Dietetics and our veterinary degrees are each accredited and recognised by relevant boards.

At Sydney we’ve united our expertise in areas like psychology, food science and nanoscience, as well as animal and human health, to offer you the broadest possible choice. Alongside biology, chemistry and physics, we have courses in conservation and mathematics.

Science has always been at the centre of humanity’s attempts to understand the world and make it a better place, but never has the rate of advancement been as rapid or as exciting as it is now.

Studying science at Sydney can take you from unravelling the mysteries of the cosmos to creating new materials or feeding the world. You can study in some of the world’s best scientific facilities, including Sydney Nano; Charles Perkins Centre; Westmead medical precinct; Centre for Carbon, Water and Food; Plant Breeding Institute; and our Veterinary Hospital.

- sydney.edu.au/courses/science

1st in Australia and 11th in the world for veterinary science.*

Learn with experts at Sydney Nano and the Charles Perkins Centre.

“The University provides an opportunity to study at one of the best veterinary schools in the world. I’ve had exposure to animals at the University’s teaching farm from year one and been taught by leaders in their fields, helping me to accomplish my goal to become a veterinarian.”

Vicki Wong
Bachelor of Veterinary Biology/Doctor of Veterinary Medicine
Home country: Hong Kong
“I have explored units of study across an array of majors and faculties, and am equipped with the latest skills for professional work.”

Gabriel Kenley Tjhin
Bachelor of Commerce
Home country: Indonesia
UNDERGRADUATE COURSES
The Sydney Undergraduate Experience

We’ve reimagined the Sydney Undergraduate Experience – the way we teach and the way you’ll learn – to prepare you for a future full of possibilities.

We recognise that the future of work will be very different, so it’s our ambition that every University of Sydney student will complete their degree with the confidence and ability to think critically, collaborate productively and influence the world.

By studying one of our undergraduate courses you’ll have the opportunity to:

- gain expertise in your primary field of study, learning from leaders in their field
- sharpen your broader skills (eg, communication, digital literacy and inventiveness) and acquire complementary expertise in a second field
- develop the capability to work across cultural boundaries, in Australia and around the world
- deepen your expertise and develop skills in interdisciplinary collaboration through real-world industry, community, entrepreneurship and research projects.

As a graduate you will have the capabilities to tackle whatever challenges and opportunities lie in the future.

sydney.edu.au/ug-experience
Plan your degree

Apply your knowledge to real-world projects and tackle complex global challenges

Choose from our range of professional, specialist, liberal studies, and combined and double degrees

Combine your interests from more than 100 study areas in the shared pool of majors and minors

Broaden your skillset through short, on-demand modules in the Open Learning Environment

Gain international experience and prepare yourself for a global career

Supercharge your degree with the combined Bachelor of Advanced Studies

Become a Dalyell Scholar and join the next generation of global leaders

Options are indicative only and vary between degrees. Refer to sydney.edu.au/ug-experience to find out more.
Whether you’ve had your career path mapped out since childhood or you believe your dream job doesn’t exist yet, one of our three degree pathways – professional, specialist and liberal studies – will prepare you for the future.

sydney.edu.au/plan-your-degree

**Professional degrees**

If you’re already sure of the career path you’d like to take, follow a specific study pattern that leads to professional accreditation and registration.

- Gain practical experience during work placements and internships, compulsory in most professional degrees.
- Complement your expertise with interdisciplinary experiences.
- Professional degrees are available in areas including – advanced computing; architecture; dentistry; education and social work; engineering and information technology; health sciences; law; medicine; music (education); nursing; pharmacy; project management; psychology; and veterinary medicine.
Combined and double professional degrees

Combined and double degrees will prepare you for a diverse range of careers by developing professional expertise alongside the skills to adapt and drive change and innovation.

- Cultivate a diverse skillset and breadth of knowledge, alongside expertise in a professionally accredited field, by combining your professional degree with a liberal studies degree.
- Take your professional degree in combination with another professional or specialist degree to develop expert knowledge and effectiveness in a given field or profession.
- Degree examples include combined law degrees, double degree medicine courses and the Bachelor of Design in Architecture (Honours)/Master of Architecture.

See pages 46 to 53 to find a list of professional degrees, including combined and double degrees.

Caitlin Lee
Study areas: Law; Government and international relations
Home country: Australia

“The Chancellor’s Award has enriched my experience at the University and is an incredible asset.

“During my time studying a Bachelor of Arts/Bachelor of Laws, I’ve had the flexibility to pursue my passions, the means to undertake an overseas study experience in Edinburgh, and, above all, the encouragement to work hard and embrace university life to the best of my ability.”

Claudia Moratti
Study areas: Chemical Engineering; Biochemistry; Pharmacology
Home country: Australia

“The chance to study at Sydney was a childhood dream come true. A Bachelor of Engineering (Honours)/Bachelor of Science complemented my desire to develop the problem-solving mindset of an engineer, while pursuing my passion for science and the creativity it offers.

“From competing in [global student competition] iGEM in Boston, to writing my honours thesis with industry support through the Sydney Industry Project Placement Scholarships program, the opportunities available have been plentiful and diverse.”
**Specialist degrees**

Know where you want to start your career? A specialist degree might be for you.
- Study a defined field with an industry-aligned degree that develops your expertise in a specific area.
- Take electives from other faculties to broaden your learning.
- Specialist degrees are available in areas including design computing; economics; music; visual arts.

**Combined specialist degrees**

You can supercharge your studies by combining your specialist degree with the Bachelor of Advanced Studies.*
- Deepen your learning and extend your knowledge through advanced coursework and a major project.
- Cultivate expertise in your area of interest alongside critical thinking and problem-solving skills to excel in your future field.
- Degree examples include the Bachelor of Design Computing/Bachelor of Advanced Studies and Bachelor of Economics/Bachelor of Advanced Studies.

See pages 46 to 53 to find a list of specialist and combined degrees.

* Available with the Bachelor of Design Computing, Bachelor of Economics and Bachelor of Visual Arts only.

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**Rosie Thomas**  
Study area: Photomedia  
Home country: Australia

“I always wanted to go to art school and Sydney was the right fit for me. As part of my Bachelor of Visual Arts I am taught by experienced, enthusiastic and insightful art professionals, and have access to all the faculties of a large and established university.”
A liberal studies degree is ideal if you want to follow your interests and continue studying what you enjoy most.

- Build your depth of knowledge in one or more areas.
- Design your own degree by combining studies from a broad range of disciplines.
- Liberal studies degrees are available in areas including arts and social sciences; business; science, agriculture, environment and veterinary science.
- Focus on a specific field by applying for a liberal studies stream such as agriculture, animal and veterinary bioscience, food and agribusiness, health, international and global studies, media and communications, medical science, or politics and international relations.

See pages 46 to 53 to find a list of liberal studies degrees, including combined and double degrees.

"I’m fascinated by how mathematics enables us to understand how the world functions, and the academics I’ve encountered during my Bachelor of Science have really helped me to grow my passion.

“The University is focused on preparing industry-ready science graduates, with a wide range of work placement opportunities. I’m sure I’ll be able to apply my quantitative and problem-solving skills to a career in the financial sector.”

“My course gives me the breadth to learn valuable skills in areas such as finance and anthropology.

“This exposure was valuable when I worked on a social entrepreneurship venture in Cambodia as part of the University’s Community Placement Program. My understanding of people and culture enabled me to better communicate and my analytical learnings helped me drive our food and security project effectively.”

Liberal studies degrees

Combined and double degree liberal studies degrees

Supercharge your liberal studies degree by combining it with the Bachelor of Advanced Studies or enhance your knowledge by completing a combined or double degree professional course.

- Extend your knowledge and deepen your critical thinking skills through advanced coursework and a major project in the combined Bachelor of Advanced Studies (refer to pages 38 and 39).
- Some liberal studies degrees can be taken with professional degrees, enabling you to develop knowledge across disciplines and expertise in a professionally accredited field.
THE COMBINED BACHELOR OF ADVANCED STUDIES

The combined Bachelor of Advanced Studies provides you with the flexibility to design your own degree. Challenge yourself through advanced coursework and a major project, and make the most of the study, exchange, internship and student life opportunities available at Sydney.

Over four years, you will:
- design your own degree by combining majors from a range of disciplines
- complete a second major from either your primary study area or the shared pool of majors and minors
- complete advanced coursework to build on your expertise and leadership skills, or complete an honours project
- work on real-world industry, community and research challenges across disciplines.

The combined Bachelor of Advanced Studies can be taken in combination with a three-year liberal studies or specialist bachelor’s degree*, including the Bachelor of Arts, Bachelor of Commerce, Bachelor of Design Computing, Bachelor of Economics, Bachelor of Science and Bachelor of Visual Arts.

sydney.edu.au/bachelor-advanced-studies
### Bachelor’s degree and Combined Bachelor of Advanced Studies

<table>
<thead>
<tr>
<th>3 years</th>
<th>Duration</th>
<th>4 years</th>
</tr>
</thead>
</table>

#### Components
- Double major optional
- Major
- Double major mandatory
- Minor (or second major)
- Open Learning Environment
- Electives
- Exchange (available)
- Third-year project (per major)
- Advanced coursework
- Substantial fourth-year project
- Honours (available)

For studies in Arts, Commerce, Design Computing, Economics, Science and Visual Arts

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### Indicative course structure: combined three-year degree and Bachelor of Advanced Studies**

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Units of study</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Major 1 Core/elective Core/elective Major 2</td>
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<tr>
<td></td>
<td>2</td>
<td>Major 1 Core/elective Core/elective Major 2</td>
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<tr>
<td>2</td>
<td>1</td>
<td>Major 1 OLE Elective Major 2</td>
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<td>Major 1 OLE Elective Major 2</td>
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<tr>
<td>3</td>
<td>1</td>
<td>Major 1 Major 1 Major 2 Major 2</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Major 1 Major 1 Major 2 Major 2</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Advanced coursework including a research, community, industry or entrepreneurship project or honours coursework and honours project</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

*Available with the Bachelor of Arts, Bachelor of Commerce, Bachelor of Design Computing, Bachelor of Economics, Bachelor of Science and Bachelor of Visual Arts only.*

**Please note that all of the course structures in this guide are indicative only and subject to change.
As a Dalyell Scholar you can draw on the rich interdisciplinary depth and breadth on offer at the University, cultivating the leadership and professional expertise to become part of our global network of leaders.

Named after Elsie Jean Dalyell OBE (1881-1948), a distinguished medical graduate of the University, Dalyell Scholars will have the opportunity to collaborate and network with like-minded world influencers.

In addition to completing distinctive Dalyell units of study, you will have access to enrichment opportunities, including:
- accelerated learning options, such as early access to advanced units of study
- access to specialised Language (Arts) and Mathematical Sciences (Science) programs (optional)
- tailored mentoring and professional skills development to enhance your study and career opportunities
- international experiences to develop your global perspective, including a $2000 global mobility scholarship.

For high-achieving students with an International Baccalaureate (IB) score of 40 (or equivalent of an ATAR of 98+ for other qualifications), Dalyell Scholars have access to a range of enrichment opportunities that will challenge you alongside your most promising and talented peers.

Who was Elsie Jean Dalyell?

Elsie Jean Dalyell OBE (1881-1948) was the first full-time female academic in our Faculty of Medicine. She was a pioneer resident medical officer at Royal Prince Alfred Hospital and worked as a senior clinician in a Vienna-based research team studying childhood diseases. Her academic excellence and commitment to creating her own path are hallmarks of our Dalyell Scholars stream.
To study as a Dalyell Scholar entry is by application or invitation.

**Courses available by application**

To study as a Dalyell Scholar in the following courses, you will need to apply online to the University (or for UAC applicants via UAC preferences).

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Arts/B Advanced Studies (Dalyell Scholars including Languages)*</td>
</tr>
<tr>
<td>B Commerce/B Advanced Studies (Dalyell Scholars)</td>
</tr>
<tr>
<td>B Engineering Honours (Dalyell Scholars)</td>
</tr>
<tr>
<td>B Science/B Advanced Studies (Dalyell Scholars including Mathematical Sciences)*</td>
</tr>
</tbody>
</table>

**Courses available by invitation**

You will be invited to become a Dalyell Scholar if you apply for, and are made an offer for, one of the degrees listed as ‘by invitation’ and have achieved an IB score of 40 (or equivalent).

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture, design and planning</td>
</tr>
<tr>
<td>B Design Computing/ B Advanced Studies</td>
</tr>
<tr>
<td>Education and social work</td>
</tr>
<tr>
<td>B Education (Secondary: Humanities and Social Sciences)/ B Arts</td>
</tr>
<tr>
<td>B Education (Secondary: Mathematics)/ B Science</td>
</tr>
<tr>
<td>B Education (Secondary: Science)/ B Science</td>
</tr>
<tr>
<td>B Arts/B Social Work</td>
</tr>
<tr>
<td>Arts and social sciences</td>
</tr>
<tr>
<td>B Arts</td>
</tr>
<tr>
<td>B Arts/B Advanced Studies (International and Global Studies)</td>
</tr>
<tr>
<td>B Arts/B Advanced Studies (Media and Communications)</td>
</tr>
<tr>
<td>B Arts/B Advanced Studies (Politics and International Relations)</td>
</tr>
<tr>
<td>B Economics</td>
</tr>
<tr>
<td>B Economics/ B Advanced Studies</td>
</tr>
<tr>
<td>Business</td>
</tr>
<tr>
<td>B Commerce</td>
</tr>
</tbody>
</table>

| Education and social work                                              |
| B Arts/B Laws                                                          |
| B Commerce/B Laws                                                     |
| B Economics/B Laws                                                    |
| B Engineering Honours/B Laws                                          |
| B Science/B Laws                                                      |

| Science, agriculture, environment and veterinary science               |
| B Psychology                                                          |
| B Science                                                             |
| B Science (Health)                                                    |
| B Science (Medical Science)                                           |

| B Engineering Honours/B Project Management                            |
| B Engineering Honours/B Science                                       |
| B Engineering Honours/B Science (Health)                              |
| B Engineering Honours/B Science (Medical Science)                     |

| Engineering and IT                                                    |
| B Advanced Computing                                                  |
| B Advanced Computing/ B Commerce                                      |
| B Advanced Computing/ B Science                                       |
| B Advanced Computing/ B Science (Medical Science)                     |
| B Engineering Honours with Space Engineering                          |
| B Engineering Honours/B Arts                                          |
| B Engineering Honours/B Commerce                                      |
| B Engineering Honours (Civil)/ B Design in Architecture               |

| Medicine and health                                                   |
| B Arts/D Medicine                                                     |
| B Arts/M Nursing                                                      |
| B Science/ D Dental Medicine                                          |
| B Science/D Medicine                                                  |
| B Science/M Nursing                                                   |

| Science/M Nutrition and Dietetics                                      |
| B Science/M Nutrition and Dietetics                                    |

Note: courses may change

* The Languages and Mathematical Sciences programs available in these courses are optional areas of study.
FOLLOW YOUR INTERESTS.
ALL OF THEM.

Combine your interests from more than 100 study areas through our shared pool of majors and minors.

The shared pool allows you to develop expertise in a second field of study and build cross-disciplinary knowledge from a wide range of study areas outside your primary degree.

For instance, you will be able to enjoy studying science without having to give up your interest in history; or combine your major in marketing with the study of digital cultures.

The shared pool of majors and minors is available in any of the following degrees:
- combined Bachelor of Advanced Studies
- Bachelor of Advanced Computing
- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Design Computing
- Bachelor of Economics
- Bachelor of Psychology*
- Bachelor of Science
- Bachelor of Visual Arts.

* For the Bachelor of Psychology only, minors are available from the shared pool.
Combine your primary major with a major or minor in one of the areas below

### Architecture, design and planning
- 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
- Australian literature\(^1\)
- Biblical studies and classical Hebrew
- Celtic studies\(^1\)
- Chinese studies
- Criminology\(^1\)
- Cultural studies
- Digital cultures
- Diversity studies\(^1\)
- Economic policy (not available for Bachelor of Economics students)
- Economics
- Econometrics
- English
- European studies
- Film studies
- Financial economics
- 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 studies
- Philosophy
- Political economy
- Politics
- Sanskrit\(^1\)
- Social policy\(^1\)
- Socio-legal studies
- Sociology
- Spanish and Latin American studies
- Studies in religion
- Theatre and performance studies
- Visual arts
- Writing studies\(^1\)

### Business
- Accounting
- Banking\(^2\)
- Business analytics
- Business information Systems
- Business law
- Finance\(^1\)
- Industrial relations and human resource management
- International business
- Management
- Marketing

### Education and social work
- Education

### Science, agriculture, environment and veterinary science
- Animal health, disease and welfare
- Animal production
- Biochemistry and molecular biology
- Biology
- Cell and developmental biology
- Chemistry
- Data science
- Ecology and evolutionary biology\(^2\)
- 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
- Plant science\(^1\)
- Psychological science\(^3\)
- Quantitative life sciences
- Soil sciences and hydrology
- Statistics
- Virology\(^1\)
- Wildlife conservation\(^1\)

\(^1\) Available as a minor only.
\(^2\) Available as a major only.
\(^3\) Previously offered as the 'Behavioural sciences' major. Title change subject to Academic Board approval.
BROADEN YOUR SKILLS

Build diverse skill combinations and boost your personal and professional development through our Open Learning Environment (OLE).

These short on-demand learning modules and workshops will help broaden your skillset and extend your knowledge by exploring other fields of study such as arts and social sciences, business, engineering and information technologies, medicine and health, music and science, agriculture, environment and veterinary science.

All students have access to zero credit point OLE units and you can take as many of these units as you want. In many degrees, including all liberal studies courses, you will also undertake for-credit OLE units as part of your study.

Examples of OLE units on offer in 2019 include:
- Analysing and plotting data: Python
- Business entrepreneurship: guerrilla tactics
- Digital communication: sound
- Digital influence through social media
- Experience China
- Student leadership: peer mentoring
- The science of health and wellbeing
- Understanding web skeletons and skins.
Collaborate with businesses, community organisations and government bodies – both in Australia and around the world – to work on entrepreneurial, industry and community projects that address real-world problems and issues.

Working with students from across the University, you will develop your networks and deepen your critical thinking, problem-solving and communication skills as you tackle some of the most complex challenges of our time. The projects are open to third-year and fourth-year students who meet the eligibility requirements, and are taken as elective units.

A snapshot of our previous projects

**Woolworths digital innovation project**
Students developed a vision for future shopping environments, both physical and digital, to improve the experiences of customers and staff.

**NSW Department of Parliamentary Services**
Students provided parliamentary research briefs on the use of drones and on social media and the law.

**Sydney Exoneration Project**
Psychological research into memory and testimony is applied to real-life claims of wrongful convictions.

---

Some of our business partners in 2018

- Accenture
- AGL
- Allianz
- Art Gallery of NSW
- Bain and Company
- Blackmores
- CareerSeekers
- City Recital Hall
- CSIRO’s Data61
- DXC Technology
- Glebe Community Development Centre
- NSW Farmers Association
- NSW Police
- Parliament NSW
- NSW Parliamentary Library
- PwC
- Public Service Commission
- Randstad
- Swisslog
- Thales
- Westmead
- Westpac
# 2019 Guide to Admission Criteria for International Students

You can identify courses by the degree pathway:
- **Professional degree**
- **Specialist degree**
- **Liberal studies degree**
- **Combined or double degree**

'B' for 'Bachelor of', 'M' for 'Master of', 'D' for 'Doctor of'. 'F' for 'February', 'A' for 'August'

‡ are courses available for Dalyell Scholars by application. For a list of Dalyell Scholars courses, see page 41.

## Course Name

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Duration (full time in years)</th>
<th>Commencing semesters</th>
<th>2019 indicative year 1 tuition fee (A$)/1.0 EFTSL</th>
<th>English – IELTS Academic</th>
<th>English – TOEFL iBT</th>
<th>International ATAR</th>
<th>Indicative score</th>
<th>IB Diploma</th>
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<tr>
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<td>96(17/19)</td>
<td>80</td>
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<td>28</td>
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<td>40,000</td>
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<td>96(17/19)</td>
<td>80</td>
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<td>F</td>
<td>40,000</td>
<td>7.0 (6.0)</td>
<td>96(17/19)</td>
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<td>33</td>
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<tr>
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<td>85(17/19)</td>
<td>80</td>
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<tr>
<td>B Arts/B Advanced Studies (Dalyell Scholars including Languages)‡</td>
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<td>F/A</td>
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<td>6.5 (6.0)</td>
<td>85(17/19)</td>
<td>98</td>
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<tr>
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<td>105(23/25)</td>
<td>90</td>
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<tr>
<td>B Arts/B Advanced Studies (Politics and International Relations)</td>
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<td>39,000</td>
<td>6.5 (6.0)</td>
<td>85(17/19)</td>
<td>90</td>
<td>33</td>
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<tr>
<td>B Arts (Dual Degree, Sciences Po, France)**</td>
<td>2+2</td>
<td>Aug in France</td>
<td>**</td>
<td>6.5 (6.0)**</td>
<td>85(17/19)**</td>
<td>A+C</td>
<td>A+C</td>
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<tr>
<td>B Economics</td>
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<td>7.0 (6.0)</td>
<td>96(17/19)</td>
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<td>31</td>
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<tr>
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<td>42,000</td>
<td>7.0 (6.0)</td>
<td>96(17/19)</td>
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<td>Aug in France</td>
<td>**</td>
<td>7.0 (6.0)**</td>
<td>96(17/19)**</td>
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<td>A+C</td>
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<td>85(17/19)</td>
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</tr>
<tr>
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<td>37,000</td>
<td>6.5 (6.0)</td>
<td>85(17/19)</td>
<td>80</td>
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<td>F/A</td>
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<td>7.0 (6.0)</td>
<td>96(17/19)</td>
<td>95</td>
<td>36</td>
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<tr>
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<td>96(17/19)</td>
<td>95</td>
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<td>7.0 (6.0)</td>
<td>96(17/19)</td>
<td>98</td>
<td>40</td>
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</table>
Below are the Australian Tertiary Admission Rank (ATAR) and equivalent entry scores for 2019 for some common international qualifications. For a full list of qualifications and admission criteria, visit sydney.edu.au/ug-entry

The published scores below are guaranteed for admission in 2019, except for courses with an asterisk (*) in the ‘indicative score’ column. The scores for these courses are an indication of what you will need for admission in 2019.

Find out more about guaranteed ATARs at sydney.edu.au/sydney-atar

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Duration (full time in years)</th>
<th>Commencing Semesters</th>
<th>2019 Indicative Year 1 Tuition Fee (A$)/1.0 EFTSL</th>
<th>International ATAR</th>
<th>Indicative Score</th>
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<td>Architecture, design and planning</td>
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<td>B Architecture and Environments</td>
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<td>80</td>
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<td>B Design Computing</td>
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<td>80</td>
</tr>
<tr>
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<td>F/A 40,000</td>
<td>7.0 (6.0)</td>
<td>96(17 /19)</td>
<td>80</td>
</tr>
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<td>F</td>
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<td>7.0 (6.0)</td>
<td>96(17 /19)</td>
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<tr>
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<td>5</td>
<td>F</td>
<td>40,000</td>
<td>7.0 (6.0)</td>
<td>96(17 /19)</td>
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<tr>
<td>Arts and social sciences</td>
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<td>F/A</td>
<td>39,000</td>
<td>6.5 (6.0)</td>
<td>85(17 /19)</td>
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<tr>
<td>B Arts/B Advanced Studies</td>
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<td>85(17 /19)</td>
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<tr>
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<td>F/A</td>
<td>39,000</td>
<td>6.5 (6.0)</td>
<td>85(17 /19)</td>
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<tr>
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<td>F</td>
<td>39,000</td>
<td>7.5 (7.0)</td>
<td>105(23/25)</td>
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<tr>
<td>B Arts/B Advanced Studies (Politics and International Relations)</td>
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<td>39,000</td>
<td>6.5 (6.0)</td>
<td>85(17 /19)</td>
</tr>
<tr>
<td>B Arts (Dual Degree, Sciences Po, France)**</td>
<td>2+2</td>
<td>Aug in France</td>
<td>6.5 (6.0)</td>
<td>A+C</td>
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<tr>
<td>B Economics</td>
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<td>F/A</td>
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<td>7.0 (6.0)</td>
<td>96(17 /19)</td>
</tr>
<tr>
<td>B Economics/B Advanced Studies</td>
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<td>F/A</td>
<td>42,000</td>
<td>7.0 (6.0)</td>
<td>96(17 /19)</td>
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<td>B Economics (Dual Degree, Sciences Po, France)**</td>
<td>2+2</td>
<td>Aug in France</td>
<td>7.0 (6.0)</td>
<td>A+C</td>
<td>A+C</td>
</tr>
<tr>
<td>B Visual Arts</td>
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<td>F</td>
<td>37,000</td>
<td>6.5 (6.0)</td>
<td>85(17 /19)</td>
</tr>
<tr>
<td>B Visual Arts/B Advanced Studies</td>
<td>4</td>
<td>F</td>
<td>37,000</td>
<td>6.5 (6.0)</td>
<td>85(17 /19)</td>
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<td>F/A</td>
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<td>7.0 (6.0)</td>
<td>96(17 /19)</td>
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<td>B Commerce/B Advanced Studies</td>
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<td>F/A</td>
<td>42,000</td>
<td>7.0 (6.0)</td>
<td>96(17 /19)</td>
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<td>7.0 (6.0)</td>
<td>96(17 /19)</td>
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<tr>
<td>B Arts (Dual Degree, Sciences Po, France)**</td>
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<td>7.0 (6.0)</td>
<td>A+C</td>
<td>A+C</td>
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*Tuition fees are subject to annual increases. For further information, see pages 54-55

Guaranteed and indicative scores, A+C, na, *, †, *, **, ◊, ф: See ‘Table notes’ on pages 56-59
### Education and social work

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Duration (full-time in years)</th>
<th>2019 indicative year 1 tuition fee (A$)/1.0 EFTSL ***</th>
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<th>English – TOEFL IBT</th>
<th>International ATAR</th>
<th>Indicative score</th>
<th>IB Diploma</th>
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<td>7.5 (8.0–L/S, 7.0–R/W)</td>
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<td>85 (17/19)</td>
<td>80</td>
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### Engineering and information technologies

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<th>English – TOEFL IBT</th>
<th>International ATAR</th>
<th>Indicative score</th>
<th>IB Diploma</th>
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<td>6.5 (6.0)</td>
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<td>B Advanced Computing/B Commerce</td>
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<td>95</td>
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<tr>
<td>B Engineering Honours (Dalyell Scholars)‡†</td>
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<td>46,500</td>
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<td>B Engineering Honours (Biomedical)</td>
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<td>85 (17/19)</td>
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<td>B Engineering Honours (Chemical and Biomolecular)</td>
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<td>B Engineering Honours (Civil)</td>
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<td>85</td>
<td>31</td>
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<td>85 (17/19)</td>
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<td>B Engineering Honours (Mechatronic)</td>
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<td>6.5 (6.0)</td>
<td>85 (17/19)</td>
<td>85</td>
<td>31</td>
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<tr>
<td>B Engineering Honours (Software)</td>
<td>4</td>
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<td>6.5 (6.0)</td>
<td>85 (17/19)</td>
<td>85</td>
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<tr>
<td>B Engineering Honours with Space Engineering major</td>
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You can identify courses by the degree pathway:
- Professional degree  ■ Specialist degree  ▲ Liberal studies degree  ▲ Combined or double degree


† are courses available for Dalyell Scholars by application. For a list of Dalyell Scholars courses, see page 41.
<table>
<thead>
<tr>
<th>Course Name</th>
<th>Duration</th>
<th>Commencing Semesters</th>
<th>Year 1 Tuition Fee (A$)</th>
<th>EFTSL</th>
<th>English - IELTS Academic</th>
<th>English - TOEFL iBT</th>
<th>Guaranteed and Indicative Scores</th>
<th>Additional Notes</th>
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<tr>
<td>B Education (Health and Physical Education)</td>
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<tr>
<td>B Advanced Computing/B Science (Health)</td>
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<tr>
<td>B Advanced Computing/B Science</td>
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<tr>
<td>B Advanced Computing/B Commerce</td>
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<tr>
<td>B Arts/B Social Work</td>
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<tr>
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**Guaranteed and Indicative Scores, A+C, na, †, *, **, ◊, ф: See 'Table notes' on pages 56-59

*** Tuition fees are subject to annual increases. For further information, see pages 54-55

Guaranteed and Indicative Scores, A+C, na, †, *, **, ◊, ф: See 'Table notes' on pages 56-59
### Course Name

#### Law

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Duration (full-time in years)</th>
<th>Commencing semesters</th>
<th>2019 indicative year tuition fee (A$)</th>
<th>English - IELTS Academic</th>
<th>English - TOEFL iBT</th>
<th>International ATAR</th>
<th>Indicative score</th>
<th>IB Diploma</th>
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<tr>
<td>▲ B Arts/B Laws</td>
<td>5 F/A</td>
<td>42,000</td>
<td>7.5 (7.0)</td>
<td>105(23/25)</td>
<td>95.5</td>
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<tr>
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<td>95.5</td>
<td>37</td>
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<tr>
<td>▲ B Economics/B Laws</td>
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<td>7.5 (7.0)</td>
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<td>95.5</td>
<td>37</td>
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</tr>
<tr>
<td>▲ B Engineering Honours/B Laws</td>
<td>6 F/A</td>
<td>42,000</td>
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<td>95.5</td>
<td>37</td>
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<tr>
<td>▲ B Science/B Laws</td>
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<td>42,000</td>
<td>7.5 (7.0)</td>
<td>105(23/25)</td>
<td>95.5</td>
<td>37</td>
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</table>

#### Medicine and health

- B Applied Science (Diagnostic Radiography)
- B Applied Science (Exercise and Sport Science)
- B Applied Science (Exercise Physiology)
- B Applied Science (Occupational Therapy)
- B Applied Science (Physiotherapy)
- B Applied Science (Speech Pathology)
- ▲ B Arts/D Medicine†
- ▲ B Arts/M Nursingφ
- ▲ B Nursing (Advanced Studies)
- ▲ B Nursing Post Registration (Singapore) φ
- ▲ B Oral Health
- ▲ B Pharmacy
- ▲ B Pharmacy and Management
- ▲ B Science/D Dental Medicineφ
- ▲ B Science/D Medicine†
- ▲ B Science/M Nursingφ
- ▲ B Science (Health)/M Nursingφ

#### Music

- B Music
- B Music (Composition)
- B Music (Music Education)φ
- B Music (Performance)
- Diploma of Music

---

You can identify courses by the degree pathway:

- Professional degree
- Specialist degree
- Liberal studies degree
- Combined or double degree

'B' for 'Bachelor of', 'M' for 'Master of', 'D' for 'Doctor of', 'F' for 'February', 'A' for 'August'

* are courses available for Dalyell Scholars by application. For a list of Dalyell Scholars courses, see page 41.
<table>
<thead>
<tr>
<th>Course Name</th>
<th>Duration (full time in years)</th>
<th>Commencing semesters</th>
<th>2019 indicative year 1 tuition fee (A$)</th>
<th>EFTSL</th>
<th>English - IELTS Academic</th>
<th>International ATAR</th>
<th>Indicative score</th>
<th>IB Diploma</th>
<th>GPA USFP</th>
<th>GPA USFP English</th>
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<td>16.9</td>
<td>350</td>
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<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
<td>1/6</td>
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<td>16.9</td>
<td>350</td>
<td>85(23/25)</td>
<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
<td>1/6</td>
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<tr>
<td>B Music (Music Education)</td>
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<td>A+C/3.70</td>
<td>17/16</td>
<td>16.9</td>
<td>350</td>
<td>85(23/25)</td>
<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
<td>1/6</td>
</tr>
<tr>
<td>B Music (Composition)</td>
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<td>A+C/3.70</td>
<td>17/16</td>
<td>16.9</td>
<td>350</td>
<td>85(23/25)</td>
<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
<td>1/6</td>
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<td>12/15</td>
<td>15.5</td>
<td>330</td>
<td>85(23/25)</td>
<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
<td>1/6</td>
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<td>B Oral Health</td>
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<td>A+C/3.70</td>
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<td>15.5</td>
<td>330</td>
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<td>18/5</td>
<td>1.8</td>
<td>1/6</td>
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<td>12/15</td>
<td>15.5</td>
<td>330</td>
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<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
<td>1/6</td>
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<td>B Nursing (Advanced Studies)</td>
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<td>12/15</td>
<td>15.5</td>
<td>330</td>
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<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
<td>1/6</td>
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<td>12/15</td>
<td>15.5</td>
<td>330</td>
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<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
<td>1/6</td>
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<tr>
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<td>15.5</td>
<td>330</td>
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<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
<td>1/6</td>
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<tr>
<td>B Applied Science (Exercise and Sport Science)</td>
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<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
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<td>95(17/19) A+C</td>
<td>18/5</td>
<td>1.8</td>
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</table>

### Tuition fees are subject to annual increases. For further information, see pages 54-55

**See page 53. Guaranteed and indicative scores, A+C, na, "", †, *, **, 0, φ: See 'Table notes' on pages 56-59
<table>
<thead>
<tr>
<th>Course Name</th>
<th>Duration (full time in years)</th>
<th>Commencing semesters</th>
<th>2019 indicative year 1 tuition fee (A$)/1.0 EFTSL **</th>
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<th>English - TOEFL IBT</th>
<th>International ATAR</th>
<th>Indicative score</th>
<th>International Year 1</th>
<th>IB Diploma</th>
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<tr>
<td>B Science (Medical Science)</td>
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<td>▲ B Science/B Advanced Studies (Food and Agribusiness)</td>
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</table>

You can identify courses by the degree pathway:
- **Professional degree**
- **Specialist degree**
- **Liberal studies degree**
- **Combined or double degree**


‡ are courses available for Dalyell Scholars by application. For a list of Dalyell Scholars courses, see page 41.
The B Veterinary Biology/D Veterinary Medicine lists two tuition fee rates. The first tuition fee is for students commencing the combined degree in 2019 for Year 1. The second tuition fee is for students commencing the DVM in 2019 for Year 1. Tuition fees are subject to annual review and will increase each year of your study. Refer to important fee information on page 55.

The B Veterinary Biology/D Veterinary Medicine lists two tuition fee rates. The first tuition fee is for students commencing the combined degree in 2019 for Year 1. The second tuition fee is for students commencing the DVM in 2019 for Year 1. Tuition fees are subject to annual review and will increase each year of your study. Refer to important fee information on page 55.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Duration (full time in years)</th>
<th>Commencing semesters 2019 indicative year 1 tuition fee (A$)/1.0 EFTSL</th>
<th>Indicative score</th>
<th>International ATAR</th>
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<tbody>
<tr>
<td>English - IELTS Academic</td>
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<td>English - TOEFL iBT</td>
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<td>International ATAR</td>
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<td>IB Diploma</td>
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<td>Canada - OSSD</td>
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<td>Canada - British Columbia</td>
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<td>GCE 3/4 A Levels</td>
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<td>Hong Kong - HKDSE</td>
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<td>India - CBSE</td>
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<td>Indian School Certificate</td>
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<td>India - HSC 6 states</td>
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<td>Germany - Abitur</td>
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<td>Malaysia - STPM 3/4</td>
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<td>Norway - Vitnemal</td>
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<td>Singapore - CSAT</td>
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<td>Sri Lanka - GCE A Levels</td>
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<td>USA - ACT</td>
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<td>USA - SAT (out of 1600)</td>
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<td>USFP GPA/USFP English</td>
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# This double degree lists two tuition fee rates. The first tuition fee is for students commencing in the undergraduate degree in 2019 for Year 1. The second tuition fee is for students commencing the postgraduate degree in 2019 for Year 1. Tuition fees are subject to annual review and will increase each year of your study. Refer to important fee information on page 55.

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"Tuition fees are subject to annual increases. For further information, see pages 54-55. Guaranteed and indicative scores, A+C, na, *, †, **, ◊, φ: See ‘Table notes’ on pages 56-59."
The information published in these tables is correct at the time of publication for entry in 2019 and may be subject to change. For the latest course information, including admission criteria, course structure and availability, visit:
- sydney.edu.au/courses

Courses listed in the 2019 guide to admission criteria for international students (on pages 46 to 53) are CRICOS registered and available to student visa holders, unless otherwise indicated with a ◊. For more information on CRICOS-registered courses, visit:
- cricos.education.gov.au

Double degree progression requirements
Double degrees and the Doctor of Veterinary Medicine combined degree listed in this guide have separate progression requirements that need to be satisfied before students can be admitted to the second degree. For progression rules, visit the faculty handbooks at:
- sydney.edu.au/handbooks

Important tuition fee information
Tuition fees listed in this course table are:
- quoted in Australian dollars and correct at the time of publication
- indicative tuition fees for study in Year 1, in the 2019 calendar year only
- set for each course based on a full-time student enrolment load of 48 credit points per year, or 1.0 Equivalent Full-Time Student Load (1.0 EFTSL). If your study load for the year is more or less than 1.0 EFTSL, your tuition fee will differ.

Annual review
Importantly, tuition fees are subject to annual review by the University and will increase each year, effective at the start of each calendar year.

Other costs
There are other costs in addition to tuition fees. For important fee-related information, refer to the fees and costs information on page 128.
B Veterinary Biology/D Veterinary Medicine (combined degree) tuition fees
This combined degree has a combination of undergraduate components (Bachelor of Veterinary Biology) in years 1 and 2, and postgraduate components (Doctor of Veterinary Medicine, DVM), in years 3 to 6.

The course table on page 52 lists two separate tuition fee rates for the combined degree. You will be paying higher tuition fees in Years 3 to 6 than in Years 1 and 2 of the combined degree.

The first tuition fee in the course table is for students commencing the combined degree in 2019 for Year 1. This fee is indicative and subject to annual increases for each year of your study.

The second tuition fee is for students commencing the DVM in 2019 for Year 1. Your Year 3 commencing tuition fee for the DVM component, and the tuition fees each year thereafter, will be subject to a number of reviews and indexation before you may be eligible to commence.

At the time of publication, the University is unable to provide you with a precise indication of your Year 3 commencing tuition fees for the DVM component of the combined degree (Years 3 to 6).

Combined degree tuition fees
For combined degrees (refer to the glossary on page 133 for a definition), where there is one indicative tuition fee (Year 1, 2019 only), listed in the course table on pages 46 to 53, a single course tuition fee rate applies for the duration of your study in the combined degree, regardless of the units of study that are selected in each of the two qualifications (eg, B Arts and B Laws).

The tuition fee listed for Year 1, 2019 is subject to annual review and will increase each year of your study in the combined degree. The tuition fee structure for the B Veterinary Biology/D Veterinary Medicine combined degree is different – please see the tuition fees information above.

Double degree tuition fees (undergraduate to postgraduate) – price differentiation
In a double degree students complete two qualifications under one set of course resolutions with no cross-crediting of units of study between the qualifications (see the glossary on page 133 for a definition). The course table on pages 46 and 53 lists two separate tuition fee rates for double degrees that comprise an undergraduate degree and a postgraduate degree, with a higher tuition fee rate applying to the postgraduate degree.

The first tuition fee is for students commencing the undergraduate degree in 2019, as part of the double degree, for Year 1. The fee is indicative and subject to annual increases for each year of your study.

The second tuition fee is for students commencing the postgraduate degree in 2019 for Year 1. This fee will also be subject to a number of annual reviews and indexation before you may be eligible to commence your study in the postgraduate degree.

At the time of publication, the University is unable to provide you with a precise indication of your commencing Year 1 tuition fees for the postgraduate degree.
**UNDERGRADUATE COURSES – TABLE NOTES**

**Programs, majors and minors**
The programs, majors and minors listed are indicative and are subject to change. Unless specified as a major or a minor only, majors are also available as minors. For the latest list of options, visit

- sydney.edu.au/handbooks

**Assumed knowledge and prerequisites**
Subjects listed for assumed knowledge, prerequisites or recommended studies, refer to the NSW Higher School Certificate (HSC) curriculum. For example, ‘Mathematics’ refers to the two-unit HSC subject by that name, not the HSC subject ‘Mathematics General’. Learn more about the HSC syllabus to understand the required standard for equivalent qualifications and/or subjects.

- www.boardofstudies.nsw.edu.au/syllabus_hsc

**∆ Mathematics prerequisite**
For courses marked with a ∆ on the Assumed knowledge and prerequisites column, the Mathematics prerequisite will apply to students undertaking a senior secondary qualification in Australia. Find out about the maths prerequisite, including equivalent requirements for other qualifications.

- sydney.edu.au/study/maths

**^ Teaching degrees: Bachelor of Education (Primary), Bachelor of Education (Health and Physical Education), and Bachelor of Music (Music Education)**
The New South Wales Education Standards Authority (NESA) requires students entering these teaching degrees to achieve a minimum of three Band 5s in their NSW HSC, one of which must be English (English Standard or English Advanced). Similar requirements will be applied to the IB and other Australian Year 12 qualifications.

For other secondary qualifications, you need to achieve the minimum scores provided as a guide and get good results in English (the equivalent of English Standard or English Advanced). If you also need to meet English proficiency requirements through a test such as IELTS, you need to complete those requirements separately.

**† Dalyell Scholars courses (by application)**
To study as a Dalyell Scholar in these courses you need to apply directly to the University or, if you are a UAC applicant, via UAC preference.

To study as a Dalyell Scholar in other Dalyell-eligible courses, entry is by invitation. You will be invited to become a Dalyell Scholar if you apply for, and are made an offer to, a ‘by invitation’ Dalyell eligible degree and have achieved a 98+ ATAR (or equivalent). For a full list of courses available to study as a Dalyell Scholar, see page 41.

**† Double degree Medicine and Dentistry**
Double degree Medicine applicants are expected to have an ATAR of 99.95 (or equivalent scores for other accepted secondary school qualifications) to be eligible for consideration for the double degree assessment. Check the Sydney Medical School website for more information.

- sydney.edu.au/medicine

Double degree Dentistry applicants are expected to have an ATAR of 99.5 or higher (or equivalent scores for other accepted secondary school qualifications) to be eligible for consideration for the double degree assessment.

All Dentistry and Medicine double degree applicants are required to undertake a double degree Medicine/Dentistry assessment that includes a written assessment and a panel discussion. The University will contact eligible applicants for the assessment. Separate requirements apply to Aboriginal and Torres Strait Islander applicants.

Admission criteria and application processes for these courses are subject to change without notice. Check the specific course on our website for more information.

- sydney.edu.au/courses

**** Sciences Po and University of Sydney dual degrees**
Admission to the Sciences Po Dual Degree is highly competitive. Acceptance will be determined by a Sciences Po and University of Sydney Dual Degree Admissions Committee based on evidence of academic achievement and intellectual readiness, and
on applicants’ own representation of their experience, ideas and aspirations. Applicants also need to meet the minimum admission requirements for their degree of choice at the University of Sydney, including English language requirements. The higher of the English language requirements of the two partner institutions will apply.

The Sciences Po degree requires a total of four years of full-time study to be eligible for two separate awards from Sciences Po and the University of Sydney.

During years 1-2, students will enrol at Sciences Po, France, and pay the applicable fee direct to Sciences Po.

During years 3-4, students enrol in the applicable Sydney degree (international students enrol in the applicable CRICOS-registered Sydney degree), with eligible transfer credits for studies undertaken at Sciences Po. Students will pay the applicable Sydney fee in years 3-4 to the University of Sydney.

Student visa holders who commence this course may face additional costs associated with their student visa. For visa information visit
- www.homeaffairs.gov.au

USFP applicants should also refer to the USFP notes.

For more information on admission criteria, tuition fees and application processes, visit the relevant course page.
- sydney.edu.au/courses

◊ Bachelor of Nursing Post Registration (Singapore)
This course is delivered in Singapore by a third-party provider and is not available for full-time study in Australia on a student visa. For more information, including tuition fees refer to the Singapore Institute of Management website.
- www.simge.edu.sg

Key to the table

Guaranteed scores: Scores for courses listed without an asterisk are guaranteed for admission in 2019 – this means the scores will not change throughout the 2019 admission period and represent the entry score you need, provided other admission criteria are also met, to receive a guaranteed offer of admission to a course.
- sydney.edu.au/sydney-ATAR

* Indicative scores
The scores listed with an asterisk (*) (for international students on pages 46 to 53 and for domestic students on pages 86 to 87) are indicative for 2019. These scores are a guide only and a higher score may be needed to gain admission into these courses.

Additionally, some courses may have a limited number of places. Additional admission criteria can also apply for courses listed as ‘A+C’. For more information, see below and visit
- sydney.edu.au/courses

A+C
Combination of ATAR (or equivalent score) plus additional admission criteria (eg, portfolio, audition, interview). Check the details for your specific degree
- sydney.edu.au/courses

na
Not applicable as an entry score cannot be applied.

*** The Psychological Science major was previously offered as the Behavioural Sciences major. For the latest information, please visit
- sydney.edu.au/handbooks
**English test scores**
All English test scores have a two year validity. For a full list of English language tests accepted by the University visit
− sydney.edu.au/study/english-reqs

**IELTS Academic** - The first score is the overall score; the score listed within brackets is the minimum score required in each section (L for Listening, R for Reading, S for Speaking, W for Writing)

**TOEFL iBT** (internet-based TOEFL) - the first score is the total score required; the first score within brackets is the minimum score for each section - Listening, Reading and Speaking, the second score is the minimum score for Writing. Where specific section scores are required, L is for Listening, R for Reading, S for Speaking, and W for Writing.

**IB Diploma**
Entry is based on the total score for the completed International Baccalaureate (IB) Diploma.

**GCE A Levels**
(Appplies to UK GCE A levels and select comparable qualifications) The first score listed is the requirement for 3 subjects, the second score is for 4 subjects. Students must present a minimum of three Advanced level (A2) subjects and a maximum of four A2 subjects. The aggregate is calculated from the A2 subjects taken in the same academic year based on A*=6, A=5, B=4, C=3, D=2, E=1. Advanced Subsidiary (AS) subjects are not used in calculating the aggregate. At most, one A2 subject may have been undertaken in the academic year preceding or following the final year in which the bulk of the A2 subjects were examined. At most one Applied A level subject may be included in the aggregate.

**Australia**
**Australian Year 12 qualifications** - **ATAR**: Australian Tertiary Admissions Rank (ATAR) is a measure of a student’s overall academic achievement relative to other students undertaking an Australian year 12 qualification. The ATAR for each course can change from year to year.

**Canada**
**Ontario OSSD**: Ontario Secondary School Diploma (OSSD) average of 6 University/College preparation courses, including English.

**British Columbia**: Certificate of Graduation (2004 graduation program) Grade average from all grade 12 subjects except Graduation Transition based on A=4, B=3, C+=2.5, C=2, C-=1, F=0. Also applies to Adult Secondary School graduation diplomas, comparable qualifications in the Yukon territory and the Diplome de fin d’études

**Germany**
**Abitur**: Average grade or ‘Durchschnittsnote’ required for the following qualifications:
− Zeugnis der Allgemeinen Hochschulreife
− Abiturientenzeugnis
− Zeugnis der Reife
− Reifezeugnis

**Hong Kong**
**HKDSE**: Hong Kong Diploma of Secondary Education (HKDSE) aggregate based on the best five subjects, including any combination of compulsory and Category A and C electives, but excluding Category B (Applied Learning) subjects. The aggregate score is worked out based on 5**, 5*=6, 5=5, 4=4, 3=3, 2=2 and 1=1.

**India**
**CBSE**: All India Senior School Certificate awarded by the Central Board of Secondary Education (CBSE). Total of the best four externally examined subjects (where A1=5, A2=4.5, B1=3.5, B2=3, C1=2, C2=1.5, D1=1, D2=0.5)

**Indian School Certificate**: Indian School Certificate awarded by the Council for Indian School Certificate Examinations (CISCE). The required score is the average of the best four externally examined subjects, including English.

**Indian HSSC**: Average of the best 5 academic subjects in the Higher Secondary School Certificate (HSSC) in the states of Andhra Pradesh, Gujarat, Karnataka, Maharashtra, Tamil Nadu and West Bengal. The requirement is higher for other states.
Malaysia

**STPM:** Sijil Tinggi Pelajaran Malaysia (STPM) aggregate for a minimum 3 (first score listed) or 4 Advanced Level subjects (second score listed) based on A=7, A-=6, B+=5, B=4, B-=3, C+=2, C=1. Partial passes and fails are not included. Subjects must be taken in the same academic year.

Norway

**Vitnemal:** Grade average in the Norwegian Certificate of Completion of Upper Secondary School Examinations (Vitnemal fra den Videregående Skole).

Singapore

**Singapore A Levels:** GCE Advanced Level examinations conducted in Singapore

- Applicants must present at least three H2 subjects and the aggregate can be raised to a maximum of 4 H2 subjects or the equivalent by:
  1. one content-based subject (at H1, H2 or H3 level) and General Paper (GP) at H1
  2. Knowledge and Inquiry (KI) at H2 level.
- H3 subjects are ranked the same as H2 subjects.
- Project Work and Mother Tongue are not included.
- The aggregate is the sum of all H2 subjects taken in the same academic year, with at most, one subject from the preceding or following academic year.
- If more than three H2 subjects are taken, the best combination will be used.

The aggregate is calculated for H2 subjects based on A=120, B=100, C=80, D=60, E=40, with half the value for H1 subjects (e.g. A=60, B=50 and so on).

South Korea (Republic of Korea)

**South Korea CSAT:** Korea Republic College Scholastic Ability Test (CSAT from 2005 onwards) overall standard score calculated from results in ‘Korean Language’, ‘Mathematics’ and ‘Foreign Language (English)’ only.

Sri Lanka

**Sri Lanka A Levels:** GCE Advanced Level examination aggregate of the best 3 Advanced Level subjects based on A=5, B=4, C=3, S=1. A fourth subject grade may be added if three A grades are achieved.

Sweden

**Slutbetyg:** Swedish Secondary School Leaving Certificate (from a Gymnasieskolan) – From 2014, the entry requirement is the average of grades based on A=20, B=17.5, C=15, D=12.5, E=10, F=0. Different requirements apply prior to 2014.

USA (in or outside the US)

**ACT:** American College Test (ACT) composite score. Applicants must also present the optional essay component of the ACT with a 50 percent pass mark. Evidence of graduation from a senior secondary qualification is also required. ACT scores required can be lower for applicants presenting Advanced Placement tests (APs) with a score of 4 or better.

**SAT:** Scholastic Aptitude Test (SAT 1) composite score out of 1600 for tests taken from 2016. Applicants must also present the optional essay with a score of 4 or better for each component. Evidence of graduation from a senior secondary qualification is also required. SAT scores required can be lower for applicants presenting Advanced Placement tests (APs) with a score of 4 or better.

**USFP GPA/USFP English**

University of Sydney Foundation program (USFP) score or GPA and English grade required. This score can serve as a guide to entry for other Australian University foundation programs. However, students should note that, depending on the foundation program, the requirements may vary from course to course. Some foundation programs are expressed as a percentage. In this table an 8 is equal to 80 percent, 9.5 is 95 percent and so on. Separate English requirements will apply for other foundation programs.

USFP package offers are not available with Sciences Po Dual Degrees due to the structure of these degrees, which require the first two years to be undertaken in France, and the resulting implications on a student visa.
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/Prerequisite</th>
<th>Career possibilities</th>
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<tbody>
<tr>
<td><strong>B Advanced Computing</strong>&lt;br&gt;4 years full time&lt;br&gt;Dalyell by invitation</td>
<td>Designed with leaders in the IT field, this degree will help prepare you for an exciting career in information technology. Incorporating real-world projects, it develops both practical and theoretical skills across the computing, information technology and business transformation industries. With one of Australia’s most innovative IT courses, you can combine your passion for computing with one of more than 100 cross-disciplinary majors, as you cultivate specialist industry knowledge and computing expertise.</td>
<td>Choose one IT major from the options below and a second major or a minor from either these options or the shared pool: computer science, computational data science, information systems, software development.</td>
<td>Computer programmer, computer system administrator, consultancy, entrepreneurship, information services management, systems analyst, software engineer, user experience, web development and management</td>
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<tr>
<td><strong>B Advanced Computing/B Commerce</strong>&lt;br&gt;5 years full time&lt;br&gt;Dalyell by invitation</td>
<td>Designing the digital world is big business. This combined degree will develop your knowledge and skills in computing and IT while cultivating business expertise. It combines practical learning with industry opportunities to launch your career as a leader of innovation and business transformation. You will also have access to the Open Learning Environment to broaden your skills and explore other areas of study.</td>
<td>Refer to B Advanced Computing and B Commerce. You will choose one major from each degree.</td>
<td>Accountant, business systems analyst, computer programmer, computer system administrator, economist, financial specialist, information services management, management consultant, project manager, software engineer, web development and management</td>
</tr>
<tr>
<td><strong>B Advanced Computing/B Science</strong>&lt;br&gt;5 years full time&lt;br&gt;Dalyell by invitation</td>
<td>Redefine the digital and physical landscape. This combined degree will develop your technical skills in computing and IT while cultivating your knowledge of scientific enquiry. Underpinned by critical analytical and leadership skills, you will be positioned to transform our world for the better. You will also have access to the Open Learning Environment to broaden your skills and explore other areas of study.</td>
<td>Refer to B Advanced Computing and B Science. You will choose one major from each degree.</td>
<td>Computer programmer, consultancy, geophysicist, information services management, mathematician, microbiologist, psychologist, science historian, software engineer, systems analyst, web development and management</td>
</tr>
<tr>
<td><strong>B Advanced Computing/B Science (Health)</strong>&lt;br&gt;5 years full time&lt;br&gt;Dalyell by invitation</td>
<td>Transform the health industry and beyond. This combined degree will develop your technical skills in computing and IT while you also explore the latest developments in health and healthcare systems. Combine research and interdisciplinary study to lead the next wave of healthcare innovation. You will also have access to the Open Learning Environment to broaden your skills and explore other areas of study.</td>
<td>Refer to B Advanced Computing and B Science (Health). You will complete a major from the options available in the B Advanced Computing and the health major.</td>
<td>Computer programmer, consultancy, corporate health, disability and ageing management and research, global health research and policy analyst, hospital management, information services management, mental health and safety, software engineer, web development and management</td>
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<tr>
<td>Course description</td>
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<tr>
<td><strong>B Advanced Computing/B Science (Medical Science)</strong>&lt;br&gt;5 years full time&lt;br&gt;Dalyell by invitation</td>
<td>Revolutionise the medical world. This combined degree will develop your knowledge and skills in computing and IT. You will also gain foundational knowledge and research skills in medical science, biomedicine and bioinformatics and have access to the Open Learning Environment. Refer to B Advanced Computing and B Science (Medical Science). You will choose one major from the options available in the B Advanced Computing and complete a program in medical science, including a medical science major.</td>
<td>Assumed knowledge: Mathematics or Mathematics Extension 1, Chemistry and either Physics or Biology or equivalent. Δ See note below</td>
<td>Computer programmer, consultant, doctor (after further study in medicine), geneticist, infectious diseases researcher, information services management, microbiologist, pathologist, software engineer, systems analyst, web development and management</td>
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<tr>
<td><strong>B Applied Science (Diagnostic Radiography)</strong>&lt;br&gt;4 years full time</td>
<td>Learn the skills you need to produce world-class medical imaging and provide excellent patient care. In the Diagnostic Radiography degree, you will learn to use equipment ranging from small mobile X-ray machines to larger units, from MRI and CT scanners to sophisticated cardiac units, enabling timely and accurate patient diagnoses. This degree is accredited by the Medical Radiation Practice Board of Australia (MRPBA) and is an approved program of study for general registration as a diagnostic radiographer. This degree covers studies in anatomy, biological sciences, equipment and imaging techniques, image processing, pathology, physics, psychology and radiation biology.</td>
<td>Recommended studies: Mathematics plus one of Biology, Chemistry or Physics or equivalent.</td>
<td>Diagnostic radiographer Graduates have the opportunity to work in a range of settings, such as small regional clinics, large metropolitan imaging departments, and hospital emergency departments.</td>
</tr>
<tr>
<td><strong>B Applied Science (Exercise and Sport Science)</strong>&lt;br&gt;3 years full time</td>
<td>This degree develops your skills to integrate exercise and physical activity with disease prevention and the promotion of good health, rehabilitation, nutrition and sports performance. Graduates are eligible to apply for membership with Exercise and Sport Science Australia and professional registration as an exercise scientist. This degree covers studies in anatomy, biochemistry, biomechanics, learning and control of human movement, nutrition, physiology/exercise physiology, and the application of these fundamental sciences to sport, exercise, ageing, public health, rehabilitation and research.</td>
<td>Assumed knowledge: Chemistry and Mathematics or equivalent.</td>
<td>Exercise scientist, coach, personal trainer; strength and conditioning specialist. Our graduates find careers in the sport, fitness and health industries; work health and safety; injury prevention; public health; exercise rehabilitation; research and technology; education and health; and medical insurance.</td>
</tr>
<tr>
<td><strong>B Applied Science (Exercise Physiology)</strong>&lt;br&gt;4 years full time</td>
<td>This degree provides you with the knowledge, competencies and clinical experience required to deliver exercise and behaviour change strategies for the prevention and management of chronic disease. Graduates are eligible for both exercise science and exercise physiology accreditation through Exercise and Sports Science Australia. This degree covers studies in biomechanics, clinical exercise practice, ergonomics, exercise physiology, functional anatomy, motor control and behaviour.</td>
<td>Assumed knowledge: Chemistry and Mathematics or equivalent.</td>
<td>As an accredited exercise physiologist you will have the opportunity to work across all sectors of healthcare, including cardiac rehabilitation, musculoskeletal rehabilitation, mental health, long-term rehabilitation following spinal cord injury, ageing, occupational rehabilitation and programs for people with an intellectual disability.</td>
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Δ For students undertaking a senior secondary qualification in Australia, Mathematics is a prerequisite for this course. See the Table notes on page 56
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B Applied Science (Occupational Therapy)</strong> 4 years full time</td>
<td>This degree will enable you to help people with disabilities, and those recovering from injury or with ongoing conditions, to overcome barriers that may be preventing them from participating more fully in life. Graduates are eligible for membership of Occupational Therapy Australia and the World Federation of Occupational Therapists, and registration with the Occupational Therapy Board of Australia.</td>
<td>Recommended studies Biology or equivalent.</td>
<td>Occupational therapist The breadth of occupational therapy means you can diversify your career while staying within the same profession. For example, you could work one on one in rehabilitation with stroke or cancer survivors, then work with babies in a neonatal intensive care unit or young adults in a community mental health program.</td>
</tr>
<tr>
<td><strong>B Applied Science (Physiotherapy)</strong> 4 years full time</td>
<td>This degree will teach you how to assess, diagnose and treat people with movement problems caused by a wide variety of health conditions. You will also learn how to help people avoid injuries and maintain a fit and healthy body. Upon graduation, you are eligible to apply for registration as a physiotherapist with the Physiotherapy Board of Australia.</td>
<td>Assumed knowledge Chemistry and Physics or equivalent.</td>
<td>Physiotherapist You can choose from a diverse range of physiotherapy and health promotion career options in both the public and private sectors, in settings such as healthcare organisations, sports, schools and community, and private practice.</td>
</tr>
<tr>
<td><strong>B Applied Science (Speech Pathology)</strong> 4 years full time</td>
<td>Accredited by Speech Pathology Australia, this degree prepares you for professional practice as a speech pathologist. You will be involved in the assessment and treatment of communication and swallowing disorders in children and adults, including problems with speaking, listening comprehension, reading and writing.</td>
<td>Recommended studies English Advanced or equivalent.</td>
<td>Speech pathologist Speech pathologists work in diverse settings, including public and private hospitals, community health, mental health services, aged-care facilities, schools and disability services. As a speech pathology graduate, you may also work in private practice, with the potential to operate your own business as a private practitioner.</td>
</tr>
<tr>
<td><strong>B Architecture and Environments</strong> 3 years full time</td>
<td>The Bachelor of Architecture and Environments provides a broad overview of the built environment through studies in design and architecture, urban planning, sustainability, heritage, building systems and construction and facilities management.</td>
<td>Core areas of study in architectural and environmental design, architectural history and theory, architectural sciences and technologies, property and sustainability, urban design and planning. University of Sydney School of Architecture, Design and Planning electives may include acoustics, lighting, structures and design computing. Electives may also be taken in other faculties.</td>
<td>Architect, property and real estate, construction, project manager, urban designer, urban planner</td>
</tr>
</tbody>
</table>
Whether you want to learn a new language or study a new culture, explore great books, ideas or minds, discover the past, analyse the present or consider the shape of the world's future, the Bachelor of Arts will expand your horizons and challenge you to think outside the box. It will prepare you to meet the challenges of the modern workforce, where expertise, inventiveness, logic and critical thinking come to the fore.

You will receive an outstanding liberal arts education, with a broad choice of more than 45 subject areas in the humanities and social sciences, and other disciplines across the University from the more than 100 majors and minors in the shared pool. You will also have access to the Open Learning Environment to broaden your skills and explore other areas of study. No two arts degrees are quite the same.

Choose one major from the options below and a second major or a minor either from these options or from the shared pool: agricultural and resource economics; American studies; ancient Greek; ancient history; anthropology; Arabic language and cultures; archaeology; art history; Asian studies; Australian literature (minor only); biblical studies and classical Hebrew; Celtic studies (minor only); Chinese studies; criminology (minor only); cultural studies; digital cultures; diversity studies (minor only); econometrics; economics; economic policy; English; European studies; film studies; French and Francophone studies; gender studies; Germanic studies; Hebrew (modern); history; Indigenous studies; Indonesian studies; international comparative literary studies; international relations; Italian studies; Japanese studies; Jewish civilisation, thought and culture; Korean studies; Latin; linguistics; modern Greek studies; music; philosophy; political economy; politics; psychology (program); Sanskrit (minor only); social policy (minor only); socio-legal studies; sociology; Spanish and Latin American studies; studies in religion; theatre and performance studies; writing studies (minor only).

Assumed knowledge
Depends on the major undertaken or units of study
For language studies: pathways are available for applicants with no prior language experience, as well as for those with prior experience in the respective language of study

Anthropologist, archaeologist, archivist, art historian, business administrator or manager, editor or publisher, foreign affairs and trade officer, government policy officer, historian, heritage specialist, information specialist, journalist, language specialist, media communications officer, museum or gallery curator, researcher, sociologist

The Bachelor of Arts equips you with the breadth and depth of knowledge and the critical analytical skills to pursue an extensive range of established and emerging careers. It prepares you for the jobs of the future.

Are you ready for the opportunity of a lifetime? Travel abroad, immerse yourself in the French culture, learn a new language and complete a dual degree with a social science focus, all at the same time.

This four-year dual degree enables you to work towards both a B Arts degree at Sciences Po in France for the first two years, and a B Arts degree at the University of Sydney for the remaining two years. As part of your B Arts at the University of Sydney, you’ll have access to the shared pool and the Open Learning Environment.

Refer to B Arts for University of Sydney-based majors. For information on studies in France, including units of study, refer to sydney.edu.au/arts/international/years_1_2.shtml

Assumed knowledge
Refer to B Arts

Anthropologist, archaeologist, business administrator or manager, economist, editor or publisher, foreign affairs and trade officer, government policy officer, historian, language specialist, journalist, museum or gallery curator, public relations manager, researcher, sociologist, teacher
The Bachelor of Arts provides an outstanding liberal arts education. It prepares you to meet the challenges of the modern workforce, where expertise, inventiveness, logic and critical thinking come to the fore.

Combining a Bachelor of Arts with the Bachelor of Advanced Studies in a four-year degree gives you the opportunity to deepen your knowledge and skills, add further breadth to your University qualification by studying subjects from a range of disciplines (including more than 45 subject areas in the humanities and social sciences and more than 100 majors and minors in the shared pool), and apply your skills and disciplinary knowledge to real-world problems. You’ll have access to the Open Learning Environment to broaden your skills and explore other areas of interest.

In the fourth year you will undertake advanced coursework and either a substantial real-world industry, community, entrepreneurship or research project, or an honours project. As you develop a personal portfolio of expertise and high-level skills you broaden your opportunities and prepare yourself for future success.

**B Arts/ B Advanced Studies 4 years full time**

As a Dalyell Scholar in the B Arts/B Advanced Studies, you will gain an outstanding liberal arts education that prepares you to meet the challenges of the modern workforce, where expertise, inventiveness, logic and critical thinking come to the fore.

Your studies will be complemented by distinctive Dalyell units and a suite of enrichment opportunities, including a global mobility experience. You’ll also have access to the Open Learning Environment and the shared pool of more than 100 majors and minors.

In the final year, you will undertake advanced coursework and either a substantial real-world industry, community, entrepreneurship or research project, or an honours project.

**B Arts/ B Advanced Studies (Dalyell Scholars including Languages) 4 years full time**

Dalyell by application

This degree will give you a rigorous understanding of the paradoxes and complex interconnections of globalisation, equipping you with the ability to work in a global society.

The core major enables you to relate localities to global trends, while your second major and language training provide the regional and linguistic expertise necessary to effectively communicate across cultural boundaries and to work in a range of organisations with an international scope.

A semester abroad at one of our leading partner universities deepens your knowledge and provides first-hand international experience.

**B Arts/ B Advanced Studies (International and Global Studies) 4 years full time**

Dalyell by invitation

This stream requires completion of a program in international and global studies (including a major in global studies), a minor in a language from the School of Languages and Cultures, and a minimum of 12 credit points of study abroad/exchange. A second major, which may be an extension of the language minor, must be taken from those available in the B Arts or from the shared pool. You’ll also have access to the Open Learning Environment.

In the fourth year of the degree you will undertake advanced coursework and a substantial real-world industry, community, entrepreneurship or research project.

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**Course description**

Choose one major from the listing below and a second major either from these options or from the shared pool. Agriculture and resource economics; American studies; ancient Greek; ancient history; anthropology; Arabic language and cultures; archaeology; art history; Asian studies; Australian literature (minor only); biblical studies and classical Hebrew; Celtic studies (minor only); Chinese studies; criminology (minor only); cultural studies; digital cultures; diversity studies (minor only); ecometries; economics; economic policy; English; European studies; film studies; French and francophone studies; gender studies; Germanic studies; Hebrew (modern); history; Indigenous studies; Indonesian studies; international comparative literary studies; international relations; Italian studies; Japanese studies; Jewish civilisation, thought and culture; Korean studies; Latin; linguistics; modern Greek studies; music; philosophy; political economy; politics; psychology (program); Sanskrit (minor only); social policy (minor only); socio-legal studies; sociology; Spanish and Latin American studies; studies in religion; theatre and performance studies; writing studies (minor only).

**Programs, majors and minors**

Refer to B Arts/B Advanced Studies.

As a Dalyell Scholar you will undertake 12 credit points of distinctive Dalyell units complemented by additional enrichment opportunities, including mentoring, professional skill development and a global mobility experience.

Dalyell Scholars will have the option of completing a languages program that will broaden your understanding of languages and culture, and open up a diverse range of global career opportunities.

**Assumed knowledge/Prerequisite**

Assumed knowledge

Depends on the major selected or units of study. For language studies: pathways are available for applicants with no prior language experience, as well as for those with prior experience in the respective language of study

**Career possibilities**

Anthropologist, archaeologist, archivist, art historian, business administrator or manager, historian, heritage specialist, foreign affairs and trade officer, government policy officer, information specialist, journalist, museum or gallery curator, language specialist, media and communications officer, editor or publisher, researcher, sociologist

This degree equips you with the breadth and depth of knowledge and the critical and analytical skills to pursue an extensive range of established and emerging careers. It prepares you for the jobs of the future.
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B Arts/ B Advanced Studies (Media and Communications)</strong></td>
<td>This degree will provide you with a broad array of skills tailored to meet the needs of the fast-changing media and communications landscape. You will gain real-world experience in media writing, radio, video and digital media production, and media relations as well as a scholarly and critical education in media and communications theory and practice. As part of this degree, you will undertake a compulsory internship that gives you hands-on experience and valuable contacts. Internships are available in many areas, including national and international journalism placements, public relations and advertising agencies, national television and radio, and major print and online media.</td>
<td>Refer to B Arts/B Advanced Studies</td>
<td>Corporate communications officer, information officer, journalist (print, online, radio, television), market or media researcher, producer, public relations officer, public policy officer</td>
</tr>
<tr>
<td><strong>B Arts/ B Advanced Studies (Politics and International Relations)</strong></td>
<td>This degree covers all aspects of political, cultural and economic relations at both the domestic and international levels. It explores the world-shaping political forces that extend far beyond national boundaries and impact our lives in unexpected ways. At the core of the degree are specialist units dealing with contemporary real world problem-solving, both in teams and individually. You will graduate with a double major in politics and international relations, and work with a team of leading academics and researchers to identify and evaluate current affairs and issues that shape global politics.</td>
<td>Refer to B Arts</td>
<td>Current affairs journalist, government and public service administrator, non-government or private sector administrator, policy researcher and consultant, political adviser, think tank participant</td>
</tr>
<tr>
<td><strong>B Arts/B Laws</strong></td>
<td>The most established double-degree combination in Australia, the Bachelor of Arts and Bachelor of Laws will challenge your outlook and give you the skillset to think differently about how to find real-world, workable and ethical solutions to contemporary problems and issues. You’ll also have access to the Open Learning Environment and electives from the shared pool.</td>
<td>Refer to B Arts. You will choose a major from the B Arts which can include a Global Studies or Media Studies major, and electives from the B Arts or the shared pool.</td>
<td>Refer to B Arts. For Law: solicitor, barrister, magistrate, judge. Non-legal: diplomacy, foreign affairs, human rights, international relations, investment banking, journalism, management consultancy, public policy.</td>
</tr>
<tr>
<td><strong>B Arts/ B Social Work</strong></td>
<td>This five-year combined degree offers a comprehensive and flexible study pathway that will qualify you as an accredited social worker, while also allowing you to enhance your qualification with majors and minors that complement the Bachelor of Social Work, such as sociology and social policy, gender studies or philosophy, offered through the Bachelor of Arts. You’ll also have access to the Open Learning Environment and the shared pool of majors, minors and electives.</td>
<td>Refer to B Arts and B Social Work. You will choose a major from the B Arts, and a second major or a minor either from those options or the shared pool. Social work includes a professional two-year program that covers research skills, social policy and social work.</td>
<td>Aged care worker, children and families support worker, community worker in programs for people with disabilities, migrant and refugee liaison officer, international development worker, social policy adviser. Professional recognition Australian Association of Social Workers</td>
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<td><strong>B Arts/D Medicine†</strong> &lt;br&gt; 7 years full time&lt;br&gt; Dalyell by invitation</td>
<td>This double degree gives you the opportunity to study arts and social sciences before undertaking medicine. &lt;br&gt; School leavers who have achieved exceptional results can commence a three-year undergraduate arts degree and follow on with the four-year graduate-entry Doctor of Medicine (MD). &lt;br&gt; With a deeper understanding of the fundamentals that underpin the health profession combined with your study of arts and social sciences, you will be better prepared for any career in medicine, from specialisation to research and teaching. You’ll also have access to the Open Learning Environment and the shared pool of majors, minors and electives.</td>
<td>Refer to B Arts and the course website: sydney.edu.au/courses &lt;br&gt; You will choose a major from the options available in the B Arts, and either a second major or a minor from these options or the shared pool. &lt;br&gt; During the B Arts you will complete foundational knowledge units for medicine plus a zero-credit-point subject in medicine. &lt;br&gt; In the Doctor of Medicine component practical experience – including contact with patients and observation of the physical aspects of disease – commences in the first year and continues to the final year. Dalyell Scholars will complete 12 credit points of distinctive Dalyell units designed to cultivate high-level graduate attributes. You will also have access to a suite of additional enrichment opportunities.</td>
<td>General practitioner or specialist, surgeon, researcher, pharmaceutical industry, forensic anthropologist, government policy officer, medical journalist, aid worker, management consultancy, teaching, medical administration, medical communication</td>
</tr>
<tr>
<td><strong>B Arts/M Nursing‡</strong> &lt;br&gt; 4 years full time&lt;br&gt; Dalyell by invitation</td>
<td>Make a lasting difference. This double degree develops analytical and critical capabilities alongside the skills and expertise you will need to become a registered nurse. It opens up a wide range of career opportunities across both clinical and non-clinical settings.</td>
<td>Refer to B Arts. You will choose a major from the B Arts and either a minor or electives from those available in the B Arts or the shared pool. You’ll also have access to the Open Learning Environment. &lt;br&gt; <strong>Focus areas for Nursing:</strong> acute care, aged care, chronic illness, clinical practice, Indigenous health, mental healthcare and management, pharmacology, physiology, professional practice, social and health</td>
<td>Registered nurse in a range of healthcare settings and highly employable in a range of non-clinical settings, including government, non-government organisations, business, education and research</td>
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<tr>
<td><strong>B Commerce</strong> &lt;br&gt; 3 years full time&lt;br&gt; Dalyell by invitation</td>
<td>Your global business journey starts here. Our Bachelor of Commerce offers a wide variety of subject options, immersive learning experiences and a strong commercial grounding in business. Take advantage of our international exchange and industry placement opportunities and tailor your degree to launch your career in virtually any field, anywhere in the world. You’ll also have access to the Open Learning Environment to broaden your skills and explore other areas of study.</td>
<td>Choose one major from the faculty options below and a second major or a minor either from these options or from the shared pool: accounting, banking (major only), business analytics, business information systems, business law, finance (major only), industrial relations and human resource management, international business, management, marketing, professional accounting (program).</td>
<td>Accountant, business analyst, corporate/government relations officer, economist, entrepreneur, enterprise architect, financial dealer and broker, human resources specialist, international business consultant, investment banker, management consultant, marketing executive, policy adviser, project manager</td>
</tr>
<tr>
<td><strong>B Commerce/B Advanced Studies</strong> &lt;br&gt; 4 years full time&lt;br&gt; Dalyell by invitation</td>
<td>Your global business journey starts here. Our new Bachelor of Commerce/Bachelor of Advanced Studies combined degree allows you to explore your interest in business alongside study in other disciplines – from mathematics to music – and tailor your studies for a career in a specialised industry. You’ll also have access to the Open Learning Environment to broaden your skills and explore other areas of study. In the fourth year you will undertake advanced coursework and either a substantial real-world industry, community, entrepreneurship or research project or an honours project.</td>
<td>Choose one major from the options below and a second major from these options or the shared pool: accounting, banking (major only), business analytics, business information systems, business law, finance (major only), industrial relations and human resource management, international business, management, marketing, professional accounting (program).</td>
<td>Accountant, business analyst, corporate/government relations officer, economist, entrepreneur, enterprise architect, financial dealer and broker, human resources specialist, international business consultant, investment banker, management consultant, marketing executive</td>
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<td>Assumed knowledge/ Prerequisite</td>
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<td><strong>B Commerce/ B Advanced Studies (Dalyell Scholars)</strong> 4 years full time Dalyell by application</td>
<td>Lead the next generation of business and innovation. Designed for high-achieving students, the Dalyell stream of the new Bachelor of Commerce/Bachelor of Advanced Studies cultivates high-level graduate attributes through greater depth and breadth of learning. You will enrol in exclusive Dalyell units and have access to a suite of enrichment opportunities as well as the Open Learning Environment. In the fourth year you will undertake advanced coursework and either a substantial real-world industry, community, entrepreneurship or research project or an honours project.</td>
<td>Refer to B Commerce/B Advanced Studies. As a Dalyell Scholar you will also complete 12 credit points of distinctive Dalyell units. These units will be complemented by enrichment opportunities that you can tailor to your needs. They include accelerated study options, additional senior level units of study from outside your primary discipline, mentoring and professional skill development, and a global mobility experience.</td>
<td>Accountant, business analyst, compliance officer, corporate/ government relations officer, data analyst, economist, entrepreneur, enterprise architect, financial dealer and broker, human resources specialist, international business strategist, investment banker, logistics and distribution manager, management consultant, marketing executive, market research analyst, project manager, risk manager.</td>
</tr>
<tr>
<td><strong>B Commerce/ B Laws</strong> 5 years full time Dalyell by invitation</td>
<td>Pursue your interests in business and law through our combined degree program and graduate with a degree that will open doors to excellent career prospects in both fields. You will develop foundational knowledge of law, with the commercial, technical and management skills to launch your career as a legal practitioner, or step into the business world where a law degree is highly regarded. You’ll also have access to the Open Learning Environment and electives from the shared pool.</td>
<td>Refer to B Commerce. Units of study for Law: First year: Foundations of law, legal research I, torts. Second year: Civil and criminal procedure, contracts, criminal law. Third year: Torts and contracts II, legal research II, public international law, public law. Fourth year: Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property and the legal profession. Final year: Private international law A and seven elective units of study.</td>
<td>Refer to B Commerce. For law: solicitor, barrister, magistrate, judge. Non-legal: diplomacy, foreign affairs, human rights, international relations, investment banking, journalism, management consultancy, public policy.</td>
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<tr>
<td><strong>B Design Computing</strong> 3 years full time</td>
<td>From websites and mobile apps to internet-of-things products and immersive environments, you will be at the leading edge of today’s user experience (UX) design world when you study with us. As a graduate your skills in design thinking coupled with technical skills, including code, will make you highly sought after by a range of employers.</td>
<td>Core areas of study include app design, creative technology, design thinking, graphic design, information architecture, physical computing, sound design, user experience and user-centred design. Core studies are in digital design, interaction design, information visualisation design and human computer experience. Related units may be taken from arts and social sciences, business, engineering, information technology, music and visual arts.</td>
<td>Interaction designer, user experience designer, creative technologist, web designer, digital production, product designer.</td>
</tr>
<tr>
<td><strong>B Design Computing/ B Advanced Studies</strong> 4 years full time Dalyell by invitation</td>
<td>From websites and mobile apps to internet-of-things products and immersive environments, you will be at the leading edge of today’s user experience (UX) design world when you study with us. As a graduate, your skills in design thinking coupled with technical skills, including code, will make you highly sought after by a range of employers. During this degree you will combine studies from a range of disciplines in the shared pool, undertake advanced coursework, and get involved in cross-disciplinary community, professional, research or entrepreneurial project work.</td>
<td>Core areas of study include app design, creative technology, design thinking, graphic design, information architecture, physical computing, sound design, user experience and user-centred design. Core studies are in digital design, interaction design, information visualisation design and human computer experience. You will also take a major from the shared pool and complete a research, community, industry or entrepreneurship project in your fourth year.</td>
<td>Interaction designer, user-experience (UX) designer, creative director, business development, marketing consultant, communications adviser, project manager, design manager, web and multimedia designer, multimedia strategist, creative technologist.</td>
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\* For students undertaking a senior secondary qualification in Australia, Mathematics is a prerequisite for this course. See the Table notes on page 56
**B Design in Architecture**

The Bachelor of Design in Architecture is offered by the University of Sydney School of Architecture, Design and Planning, ranked first in Sydney and in the top 15 in the world for Architecture/Built Environment (QS World University Rankings by Subject 2017). This degree introduces you to the rewarding profession of architecture and is your first step to becoming a registered architect.

Core areas of study include architectural design, architectural history and theory, architectural workshops, environment and sustainability, professional practice and architectural communications. You will have the option of choosing to specialise in one of three streams: allied arts in architecture, urban design and planning, or digital architecture. You can also take electives from the University of Sydney School of Architecture, Design and Planning as well as from other faculties and schools.

**B Design in Architecture (Honours)/M Architecture**

If you are passionate about learning and aspire to be a groundbreaking thinker in the practice of architecture, this limited-intake, five-year double degree is a fast track to achieving your goals.

It combines the undergraduate Bachelor of Design in Architecture with the postgraduate Master of Architecture. You will also attain undergraduate honours, which otherwise requires an additional full year of study.

Core areas of study include architectural design, history and theory, technologies, architecture workshops, environment and sustainability, professional practice and architectural communications.

You will have the option of choosing to specialise in one of three streams: allied arts in architecture, urban design and planning, or digital architecture. You can also take electives from the University of Sydney School of Architecture, Design and Planning as well as from other faculties and schools.

**B Economics**

The Bachelor of Economics introduces you to a diverse, fascinating discipline that addresses a range of big issues in modern life and plays a central role in shaping the broad framework of society at every level. It provides undergraduate training in theoretical and applied aspects of modern economics, econometrics and financial economics. Although primarily interested in explaining the behaviour of individuals, economics also addresses the collective behaviour of businesses and industries, governments and countries, and the globe as a whole. Economics is crucial to understanding and solving the major problems and challenges the world faces today, such as global warming, poverty, development, and recession.

You will choose one major from the options below and either a second major or a minor from these options, those offered by the University of Sydney School of Business (see B Commerce on page 66) or from the shared pool: Economics, econometrics, financial economics, agricultural and resource economics.

You’ll also complete units from the Open Learning Environment.

**B Economics/BA Advanced Studies**

This combined degree will give you a comprehensive understanding of the economy, business and government, and the high-level technical skills to analyse economic and social data and events. A program in economics gives you an excellent grounding in economic theory and statistics, creating a study profile that reflects your expertise in a range of disciplines.

High-achieving students will have the opportunity to complete the highly regarded honours pathway in economics. Honours is central to the strength of economics at the University of Sydney, providing expert training in applied economics, economic theory and econometrics.

You will choose one major from the options below and a second major from these options, those offered by the University of Sydney Business School (see B Commerce on page 66) or from the shared pool: economics, econometrics, financial economics, agricultural and resource economics.

In your final year, you will also undertake advanced coursework and either an honours project or a substantial research project, or entrepreneurship project that builds on the skills and knowledge developed in the Bachelor of Economics. You’ll also take units from the Open Learning Environment.

**Assumed knowledge/Prerequisite**

**Career possibilities**

- Architect, architectural technologist, interior and spatial designer, urban designer, project manager, property developer
- Architect, design manager, academic
- Accountant, banker, business information systems analyst, economic analyst, economist, financial manager, human resource manager, industrial relations specialist, researcher, social policy adviser
- It will equip you with key capabilities to develop economic and social policy and to work in fields such as business, banking, financial markets and consulting in both the private and public sectors.
<table>
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<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
</table>
| **B Economics (Dual Degree, Sciences Po, France)**\(\ddagger\)  
2+2 years full time | Are you ready for the opportunity of a lifetime? Travel abroad, immerse yourself in the French culture, learn a new language and complete a dual degree with a social science focus, all at the same time.  
This four-year dual degree enables you to work towards both a Bachelor of Arts degree at Sciences Po in France for the first two years, and a Bachelor of Economics degree at the University of Sydney in the remaining two years. | Refer to B Economics for University of Sydney based-majors. For further information on studies in France, including units of study, please refer to sydney.edu.au/arts/international/years_1_2.shtml  
Assumed knowledge  
Mathematics or equivalent.  
\(\ddagger\) See note below | Accountant, banker, business consultant, business information systems analyst, economic analyst, economist, financial manager, human resource specialist, industrial relations specialist, researcher, social policy adviser |
| **B Economics/ B Laws**  
5 years full time | Discover where economics and law collide with this versatile combined degree combination. Choose from a career in business, finance or the law and experience how your double degree enhances your knowledge, expertise and learning capacity.  
Specialised career fields include compliance, securities regulation and economic analysis. As part of this degree, you’ll have access to the Open Learning Environment and electives from the shared pool. | Refer to B Economics.  
| **Dalyell by invitation** | The Bachelor of Education (Early Childhood) will give you a professional qualification to teach children (birth-5 years) in early childhood education settings. Our innovative four-year degree incorporates introductory and advanced curriculum units, a strong social justice and leadership focus, placement experiences in early childhood settings that exceed minimum requirements, scope to develop and apply research skills in an honours strand, and opportunities to develop strong practical and research skills. | You will study specialist units in early childhood education and development, complemented by generalist units in education and professional studies, as well as elective units of study in the sciences, social sciences and humanities offered by the Faculty of Arts and Social Sciences, the Faculty of Science, and the University of Sydney Business School. | Teaching in a range of early learning centres and preschools (birth-5 years). Qualified early childhood teachers are in high demand and early childhood education is a high priority for both federal and state governments in Australia. This qualification is not suitable for teachers seeking employment in the Kindergarten to Year 6 school sector.  
Professional recognition  
Australian Children’s Education and Care Quality Authority (ACECQA). |
| **B Education (Early Childhood)**  
4 years full time | Are you ready for the opportunity of a lifetime? Travel abroad, immerse yourself in the French culture, learn a new language and complete a dual degree with a social science focus, all at the same time.  
This four-year dual degree enables you to work towards both a Bachelor of Arts degree at Sciences Po in France for the first two years, and a Bachelor of Economics degree at the University of Sydney in the remaining two years. | Refer to B Economics for University of Sydney based-majors. For further information on studies in France, including units of study, please refer to sydney.edu.au/arts/international/years_1_2.shtml  
Assumed knowledge  
Mathematics or equivalent.  
\(\ddagger\) See note below | Accountant, banker, business consultant, business information systems analyst, economic analyst, economist, financial manager, human resource specialist, industrial relations specialist, researcher, social policy adviser |
| **B Education (Health and Physical Education)**\(\ddagger\)  
4 years full time | Discover where economics and law collide with this versatile combined degree combination. Choose from a career in business, finance or the law and experience how your double degree enhances your knowledge, expertise and learning capacity.  
Specialised career fields include compliance, securities regulation and economic analysis. As part of this degree, you’ll have access to the Open Learning Environment and electives from the shared pool. | Refer to B Economics.  
| **B Education (Health and Physical Education)**\(\ddagger\)  
4 years full time | The Bachelor of Education (Early Childhood) will give you a professional qualification to teach children (birth-5 years) in early childhood education settings. Our innovative four-year degree incorporates introductory and advanced curriculum units, a strong social justice and leadership focus, placement experiences in early childhood settings that exceed minimum requirements, scope to develop and apply research skills in an honours strand, and opportunities to develop strong practical and research skills. | You will study specialist units in early childhood education and development, complemented by generalist units in education and professional studies, as well as elective units of study in the sciences, social sciences and humanities offered by the Faculty of Arts and Social Sciences, the Faculty of Science, and the University of Sydney Business School. | Teaching in a range of early learning centres and preschools (birth-5 years). Qualified early childhood teachers are in high demand and early childhood education is a high priority for both federal and state governments in Australia. This qualification is not suitable for teachers seeking employment in the Kindergarten to Year 6 school sector.  
Professional recognition  
Australian Children’s Education and Care Quality Authority (ACECQA). |
| **B Education (Health and Physical Education)**\(\ddagger\)  
4 years full time | The Bachelor of Education (Early Childhood) will give you a professional qualification to teach children (birth-5 years) in early childhood education settings. Our innovative four-year degree incorporates introductory and advanced curriculum units, a strong social justice and leadership focus, placement experiences in early childhood settings that exceed minimum requirements, scope to develop and apply research skills in an honours strand, and opportunities to develop strong practical and research skills. | You will study specialist units in early childhood education and development, complemented by generalist units in education and professional studies, as well as elective units of study in the sciences, social sciences and humanities offered by the Faculty of Arts and Social Sciences, the Faculty of Science, and the University of Sydney Business School. | Teaching in a range of early learning centres and preschools (birth-5 years). Qualified early childhood teachers are in high demand and early childhood education is a high priority for both federal and state governments in Australia. This qualification is not suitable for teachers seeking employment in the Kindergarten to Year 6 school sector.  
Professional recognition  
Australian Children’s Education and Care Quality Authority (ACECQA). |
| **B Education (Health and Physical Education)**\(\ddagger\)  
4 years full time | The Bachelor of Education (Early Childhood) will give you a professional qualification to teach children (birth-5 years) in early childhood education settings. Our innovative four-year degree incorporates introductory and advanced curriculum units, a strong social justice and leadership focus, placement experiences in early childhood settings that exceed minimum requirements, scope to develop and apply research skills in an honours strand, and opportunities to develop strong practical and research skills. | You will study specialist units in early childhood education and development, complemented by generalist units in education and professional studies, as well as elective units of study in the sciences, social sciences and humanities offered by the Faculty of Arts and Social Sciences, the Faculty of Science, and the University of Sydney Business School. | Teaching in a range of early learning centres and preschools (birth-5 years). Qualified early childhood teachers are in high demand and early childhood education is a high priority for both federal and state governments in Australia. This qualification is not suitable for teachers seeking employment in the Kindergarten to Year 6 school sector.  
Professional recognition  
Australian Children’s Education and Care Quality Authority (ACECQA). |

\(\ddagger\) For students undertaking a senior secondary qualification in Australia, Mathematics is a prerequisite for this course.  
See the Table notes on page 56
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
</table>
| **B Education (Primary)**<sup>†</sup>  
4 years full time | Inspire the next generation and gain a professional qualification to teach in a primary school with children aged 5-12 years.  
Gain extensive experience at schools during this four-year degree, with school placements commencing in your first year. These begin with observing and interacting with small groups of primary school students, and later expand to include patterns of classroom interaction, teacher-developed curriculum materials and whole-school activities.  
When you undertake professional experience in fourth year, you will be fully competent to teach without close supervision. | Throughout this degree you will take generalist units of study in education and professional studies, along with units of study offered by the Faculty of Arts and Social Sciences, the Faculty of Science, and the University of Sydney Business School. Students who demonstrate high achievement in mathematics through secondary school or the first-year mathematics content may also elect to undertake a specialisation study pathway in mathematics.  
This degree covers all the key learning areas (primary subject areas), with special attention to the mandatory areas of Aboriginal education, teaching English to speakers of other languages (TESOL) and special education. | Recommended studies  
For mathematics specialisation: Mathematics or equivalent.  
Δ See note below  
Prerequisite  
The NSW Education Standards Authority (NESA) requires Band 5 in three HSC subjects (or equivalent), one of which needs to be English (English Standard or English Advanced).  
Other applicants may be admitted through an approved comparable measure. | Teacher, corporate trainer and development manager, curriculum consultant, educational administrator, educational researcher, government policy adviser  
**Professional recognition**  
NSW Education Standards Authority, NSW Department of Education and Communities, Association of Independent Schools of NSW, Catholic Education Office. |
| **B Education (Secondary): Humanities and Social Sciences)**/  
**B Arts**  
5 years full time | This five-year combined degree will give you a professional qualification to teach in secondary schools in the areas of humanities and social sciences. You will gain a strong practical and theoretical preparation for teaching.  
The course covers professional teaching, special education, international education, and information and communications technology. School observations and practice teaching are integral components of the professional experiences in this degree.  
Professional teaching experiences and internships are offered in partnership with participating schools and will provide you with the opportunity to develop your teaching skills and professional understanding of how to work in schools. | You will take core units of study in education, along with intensive study and professional experience in teaching areas.  
You need to select two teaching areas, and these may include: Aboriginal studies, business studies/commerce, drama, economics/commerce, English, geography, history, languages, mathematics and teaching English to speakers of other languages (TESOL). A major needs to be taken in your primary teaching area, alongside further study in a second teaching area. Business studies, geography, mathematics or TESOL may be taken as a second teaching area only. A third teaching area may be taken in TESOL or Aboriginal studies. | Assumed knowledge  
Refer to B Arts  
Assumed knowledge  
Mathematics or TESOL, geography, economics and languages, corporate trainer and development manager, curriculum consultant, educational administrator, educational researcher, government policy adviser, human resource manager  
**Professional recognition**  
NSW Education Standards Authority, NSW Department of Education and Communities, Association of Independent Schools of NSW, Catholic Education Office. |
| **B Education (Secondary): Mathematics)**/  
**B Science**  
5 years full time | This five-year combined degree will give you a professional qualification to teach in secondary schools in mathematics or science.  
You will acquire a strong practical and theoretical preparation for teaching. The course covers professional teaching, special education, international education, and information and communications technology. School observation and practice teaching are integral components of the professional experiences in this degree. This professional experience is offered in partnership with participating schools and will provide you with the opportunity to develop your teaching skills and professional understanding. | You will take core units of study in education along with intensive study and professional experience in teaching areas.  
A major must be taken in mathematics. A second teaching area can be taken in one of the following: biology, chemistry, geography, physics.  
Graduates intending to teach science at a secondary level need to complete at least one year of study in chemistry or physics during their degree. | Assumed knowledge  
Mathematics or Mathematics Extension 1 or equivalent. Other assumed knowledge depends on the areas or units studied.  
Δ See note below  
**Prerequisite**  
The NSW Education Standards Authority, NSW Department of Education and Communities, Association of Independent Schools of NSW, Catholic Education Office. | Secondary teacher in areas including biology, chemistry, physics, geography and mathematics, secondary school leadership roles, policy development, corporate training or development.  
**Professional recognition**  
The NSW Education Standards Authority, NSW Department of Education and Communities, Association of Independent Schools of NSW, Catholic Education Office. |

*Note: “B” for “Bachelor of”, “M” for “Master of” and “D” for “Doctor of”,  
†, ‡, **, ***: see ‘Table notes’ on pages 56-57*
### B Education (Secondary: Science)/ B Science
5 years full time
**Dalyell by invitation**

**Course description**
This five-year combined degree will give you a professional qualification to teach science in secondary schools. You will acquire a strong practical and theoretical preparation for teaching. The course covers professional teaching, special education, international education, and information and communications technology. School observation and practice teaching are integral components of the professional experience in this degree. This professional experience is offered in partnership with participating schools and will provide you with the opportunity to develop your teaching skills and professional understanding.

**Programs, majors and minors**
You will take core units of study in education, along with intensive study and professional experience in teaching areas. Two teaching areas are selected from the following: biology, chemistry, geography, mathematics, physics. A major must be taken in a science teaching area. Graduates intending to teach science at a secondary level need to complete at least 12 credit points of study in both mathematics and chemistry or physics during their degree.

**Assumed knowledge/Prerequisite**
- For B Science: Assumed knowledge
- For B Science: Assumed knowledge

**Career possibilities**
Secondary teacher in areas including mathematics, biology, chemistry, physics and geography, secondary school leadership roles, policy development, corporate training or development.

**Professional recognition**
The NSW Education Standards Authority, NSW Department of Education and Communities, Association of Independent Schools of NSW, Catholic Education Office.

### B Engineering Honours (Dalyell Scholars)
4 years full time
**Dalyell by application**

**Course description**
Lead the next wave of engineering and information technology innovation. Replacing the previous Advanced Engineering stream, the Dalyell Scholars stream is open to engineering, advanced computing and project management students who demonstrate outstanding academic ability. You will develop leadership and management expertise through a suite of enrichment opportunities, including specialised internships, distinctive units of study and paired mentoring with leaders in your chosen field.

**Programs, majors and minors**
In addition to your chosen engineering stream, as a Dalyell Scholar, you will complete distinctive Dalyell units and have access to enrichment opportunities that you can tailor to your needs. This includes accelerated study options, additional senior level units of study from outside your primary discipline, mentoring and professional skill development, and a global mobility experience.

**Assumed knowledge/Prerequisite**
- For B Science: Assumed knowledge
- For B Science: Assumed knowledge

**Career possibilities**
Along with career options from your chosen stream, the valuable insights you gain through your studies as a Dalyell Scholar will set you apart from your peers and open up a range of opportunities across the public and private sectors, including in business, banking, consulting, entrepreneurship and project management.

### B Engineering Honours (Aeronautical)
4 years full time

**Course description**
Design and operate the aircraft of tomorrow. The Bachelor of Engineering Honours (Aeronautical) develops a comprehensive understanding of the design process and operation of aircraft within the Earth’s atmosphere and in space. By combining practical learning and industry experience, this degree will equip you for the aerospace industry’s next evolution.

**Programs, majors and minors**
There are more than 15 engineering majors to choose from in this stream. In addition, the faculty offers a major in space engineering to high-achieving students with an ATAR of 99 (or equivalent) or above.

**Assumed knowledge/Prerequisite**
- For B Science: Assumed knowledge
- For B Science: Assumed knowledge

**Career possibilities**
Design research and certification in the airline/aerospace industry, general engineering positions, and manufacturing and assembly.

### B Engineering Honours (Biomedical)
4 years full time

**Course description**
Lead the revolution in life-saving medical technology. The Bachelor of Engineering Honours (Biomedical) develops a comprehensive knowledge of all aspects of biomedical engineering. By combining multidisciplinary learning with collaborative projects and industry experience, you will develop the knowledge and experiences to launch your career in this rapidly growing branch of engineering.

**Programs, majors and minors**
There are more than 15 engineering majors to choose from in this stream. The majors that best align with this stream are chemical engineering, electrical engineering, humanitarian engineering, information technology, mechanical engineering and mechatronic engineering.

**Assumed knowledge/Prerequisite**
- For B Science: Assumed knowledge
- For B Science: Assumed knowledge

**Career possibilities**
Clinical support specialist, instrumentation engineer, medical device assessor, patent examiner and field service engineer. Biomedical engineers design and manufacture implantable and external medical devices, including orthopaedic, cardiovascular and other electronic and surgical equipment.

### B Engineering Honours (Chemical and Biomolecular)
4 years full time

**Course description**
Lead positive change and improve lives. The Bachelor of Engineering Honours (Chemical and Biomolecular) will enable you to develop creative solutions throughout the chemical and environmental engineering fields. By combining collaborative learning and research with first-hand industry experience, you will be positioned to revolutionise society’s processes and address pressing environmental challenges.

**Programs, majors and minors**
There are more than 15 engineering majors to choose from in this stream. In 2019 two new majors that best align with this stream will commence: water and environmental treatment processes, and process intensification.

**Assumed knowledge/Prerequisite**
- For B Science: Assumed knowledge
- For B Science: Assumed knowledge

**Career possibilities**
All sectors of the process industries, from primary resource industries generally through to fine chemicals and sophisticated manufacturing.

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For students undertaking a senior secondary qualification in Australia, Mathematics is a prerequisite for this course. See the Table notes on page 56.
### B Engineering Honours (Civil)
- **Course description:** Take a lead role in designing and transforming your world. Through practical and industry experiences, this degree develops the comprehensive ability to plan, design and test structures within the built and natural environments. A suite of embedded professional skill development activities will equip you to contribute to infrastructure that improves lives in Australia and worldwide.
- **Programs, majors and minors:** There are more than 15 engineering majors to choose from in this stream. The majors that best align with it are construction management, environmental engineering, geotechnical engineering, humanitarian engineering, structures and transport engineering.
- **Assumed knowledge/Prerequisite:** Assumed knowledge Mathematics Extension 1 and Physics or equivalent. ∆ See note below
- **Career possibilities:** Aid worker, airport and harbour authorities, banks, construction and mining companies, engineering and infrastructure consultants, humanitarian architects, town planner, project management and public works, sustainability specialist.

### B Engineering Honours (Electrical)
- **Course description:** Create a brighter future. The Bachelor of Engineering Honours (Electrical) will develop your ability to design and build the systems and machines that generate, transmit, measure, control and use electrical energy. It will position you to tackle the world’s biggest challenges in health, education and the environment.
- **Programs, majors and minors:** There are more than 15 engineering majors to choose from in this stream. The majors that best align with it are computer engineering, internet of things, power engineering and telecommunications engineering.
- **Assumed knowledge/Prerequisite:** Assumed knowledge Mathematics Extension 1 and Physics or equivalent. ∆ See note below
- **Career possibilities:** Grid maintenance and stability contractor, industry power supply engineer, power transmission and generating systems engineering, specialised consulting companies and telecommunications.

### B Engineering Honours (Flexible First Year)
- **Course description:** Discover where your strengths lie. The Bachelor of Engineering Honours (Flexible First Year) allows you to commence your studies with core subjects and then transfer into your engineering stream of choice at the end of your first semester or first year. You will still complete your engineering degree in the normal time (four years).
- **Programs, majors and minors:** Students commencing their studies in Flexible First Year will have the opportunity to pursue a major once they have transferred to a stream. There are more than 15 engineering majors to choose from. From you can find information about which majors align best with the different individual stream information.
- **Assumed knowledge/Prerequisite:** Assumed knowledge Mathematics Extension 1, Physics and/or Chemistry or equivalent. ∆ See note below
- **Career possibilities:** Refer to individual engineering streams for examples.

### B Engineering Honours (Mechanical)
- **Course description:** Design the machines that will engineer our future. The Bachelor of Engineering Honours (Mechanical) will develop your ability to design, manage and maintain a diverse range of mechanical applications. Through practical learning and industry experiences, you will be ready to transform the use of machines across a range of innovative and emerging industries.
- **Programs, majors and minors:** There are more than 15 engineering majors to choose from in this stream. The majors that best align with it are environmental engineering, materials and space engineering.
- **Assumed knowledge/Prerequisite:** Assumed knowledge Mathematics Extension 1 and Physics or equivalent. ∆ See note below
- **Career possibilities:** Automated facilities, automatic control systems, biomedical implant design, building industry, design of automotive, underwater exploration and space vehicles, environmental pollution control, manufacturing industry, and mineral exploration.

### B Engineering Honours (Mechatronic)
- **Course description:** Lead the next generation of machine design. The Bachelor of Engineering Honours (Mechatronic) combines mechanical, electronic and software engineering to enable you to create computer-controlled machines and consumer products. Our degree in mechatronic engineering is underpinned by industry experience and management training that could see you designing the smart systems of the future.
- **Programs, majors and minors:** There are more than 15 engineering majors to choose from in this stream. The majors that best align with it are environmental engineering, materials and space engineering.
- **Assumed knowledge/Prerequisite:** Assumed knowledge Mathematics Extension 1 and Physics or equivalent. ∆ See note below
- **Career possibilities:** Automatic control systems, product design and development, robotics and automation for advanced manufacturing, software design and development for real-time computer systems.

### B Engineering Honours (Software)
- **Course description:** Create the software and games of tomorrow. Through the Bachelor of Engineering Honours (Software) you will learn first hand how to design and develop computer games, business applications, operating systems and network control systems. Combining technical knowledge with industry experience, you will be ready to transform the digital world.
- **Programs, majors and minors:** There are more than 15 engineering majors to choose from. From these computer engineering, power engineering, and telecommunications engineering.
- **Assumed knowledge/Prerequisite:** Assumed knowledge Mathematics Extension 1 and Physics or equivalent. ∆ See note below
- **Career possibilities:** Artificial intelligence, control systems, database management, information technology, internet programming, language compilers, multimedia and telecommunication software systems, real-time software engineering and reliable biomedical systems.

### B Engineering Honours with space engineering major
- **Course description:** Revolutionise the next generation of space exploration. An innovative program, the space engineering major covers all space-related activities, from ground operations to the design and construction of orbital bodies and explorative spacecraft. You will learn to tackle nature’s most unforgiving environment in a dynamic and continually evolving industry.
- **Programs, majors and minors:** The Space major is available in aeronautical, mechanical and mechatronic streams - refer to the relevant stream. The major in space engineering covers studies in aerospace systems, electronic devices and circuits, orbital mechanics, space vehicle design and systems engineering.
- **Assumed knowledge/Prerequisite:** Assumed knowledge Mathematics Extension 1 and Physics or equivalent. ∆ See note below
- **Career possibilities:** Along with career options from your chosen stream, you can apply your specialised knowledge of the space environment to careers in the aerospace, defence, environmental and research sectors.

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* 'B' for ‘Bachelor of’, ‘M’ for ‘Master of’ and ‘D’ for ‘Doctor of’
* †, ‡, **, ***: see ‘Table notes’ on pages 56–57
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B Engineering Honours/ B Arts</strong> 5 years full time Dalyell by invitation</td>
<td>This combined degree allows you to study engineering while pursuing your interests in the humanities, social sciences or languages. You can combine any of the Bachelor of Engineering Honours streams with a Bachelor of Arts, where you will access the Open Learning Environment and the shared pool of majors, minors and electives.</td>
<td>In addition to the relevant B Engineering Honours stream requirements, you will take a major from B Arts. You may take a minor or electives from the shared pool.</td>
<td>Assumed knowledge Mathematics Extension 1 and, either Physics or Chemistry, depending on the Engineering stream. Refer to the relevant stream. See note below</td>
</tr>
<tr>
<td><strong>B Engineering Honours/ B Commerce</strong> 5 years full time Dalyell by invitation</td>
<td>This combined degree is designed to extend the management component of the Bachelor of Engineering Honours. You can combine any of the engineering streams with a Bachelor of Commerce, where you will access the Open Learning Environment and the shared pool of majors, minors and electives.</td>
<td>In addition to the relevant B Engineering Honours stream requirements, you will take a major from B Commerce. You may also take a minor or electives from the shared pool.</td>
<td>Assumed knowledge Mathematics Extension 1 and, either Physics or Chemistry, depending on the engineering stream. Refer to the relevant stream. See note below</td>
</tr>
<tr>
<td><strong>B Engineering Honours (Civil)/B Design in Architecture</strong> 5 years full time Dalyell by invitation</td>
<td>Design unique and innovative infrastructure. In the Bachelor of Engineering Honours (Civil) and Bachelor of Design in Architecture combined degree you will learn to analyse the forces within a structure and to design its skeleton to support these forces, complemented by the conceptual and aesthetic essentials of the design process.</td>
<td>Refer to B Engineering Honours (Civil) and B Design in Architecture.</td>
<td>Assumed knowledge Mathematics Extension 1 and Physics or equivalent. See note below For Architecture: English (Advanced) or equivalent.</td>
</tr>
<tr>
<td><strong>B Engineering Honours/ B Laws</strong> 6 years full time Dalyell by invitation</td>
<td>This six-year combined degree will provide an excellent foundation for a career in law or engineering. Your engineering studies will emphasise the practical aspects of science, while your law studies will focus on the interpretation and application of the legal system. You can combine any of the engineering streams with a Bachelor of Laws.</td>
<td>Refer to the relevant B Engineering Honours stream. Units of study for Law: First year: foundations of law, legal research I, torts. Second year: civil and criminal procedure, contracts, criminal law. Third year: torts and contracts II, legal research II, public international law, public law. Fourth year: administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property and the legal profession. Final year: private international law A and seven elective units of study</td>
<td>Assumed knowledge Mathematics Extension 1 and, either Physics or Chemistry, depending on the engineering stream. Refer to the relevant stream. See note below For Law: None.</td>
</tr>
<tr>
<td><strong>B Engineering Honours/ B Project Management</strong> 5 years full time Dalyell by invitation</td>
<td>In this combined degree you will develop technical expertise in your chosen engineering stream and complementary project management skills. Along with engineering, you will study core project management subjects including project finance, complex project coordination, analytics, risk management, organisational behaviour and psychology. You can combine any engineering stream with a Bachelor of Project Management.</td>
<td>Refer to the relevant B Engineering Honours stream and B Project Management.</td>
<td>Assumed knowledge Mathematics Extension 1 and, either Physics or Chemistry, depending on the engineering stream. Refer to the relevant stream. See note below</td>
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</tbody>
</table>

\* For students undertaking a senior secondary qualification in Australia, Mathematics is a prerequisite for this course. See the Table notes on page 56
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
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<tr>
<td><strong>B Engineering Honours/ B Science</strong>&lt;br&gt;5 years full time&lt;br&gt;Dalyell by invitation</td>
<td>This combined degree emphasises the strong scientific foundations of engineering. It will expand your career options by giving you two qualifications with just one extra year of study. In addition to your engineering stream, you will complete a major in science. You can combine any engineering stream with a Bachelor of Science, where you will access the Open Learning Environment and the shared pool of majors, minors and electives.</td>
<td><strong>Assumed knowledge</strong>&lt;br&gt;Mathematics Extension 1 and, either Physics or Chemistry, depending on the Engineering stream. Refer to the relevant stream. Other assumed knowledge depends on the science programs or areas studied.</td>
<td>Refer to the relevant B Engineering Honours stream and B Science</td>
</tr>
<tr>
<td><strong>B Engineering Honours/ B Science (Health)</strong>&lt;br&gt;5 years full time&lt;br&gt;Dalyell by invitation</td>
<td>This combined degree enables you to gain technical expertise in your chosen engineering stream and complementary knowledge in health and healthcare provision. Along with engineering, you will gain a thorough grounding in health and health systems at local, national and global levels. The degree will open up career opportunities across a range of diverse and innovative industries. You can combine any engineering stream with a Bachelor of Science (Health), where you will access the Open Learning Environment and the shared pool of majors and minors and electives.</td>
<td><strong>Assumed knowledge</strong>&lt;br&gt;Mathematics Extension 1, Physics and/or Chemistry or equivalent. Other assumed knowledge depends on the science programs or areas studied.</td>
<td>Refer to the relevant B Engineering Honours stream and B Science (Health)</td>
</tr>
<tr>
<td><strong>B Engineering Honours/ B Science (Medical Science)</strong>&lt;br&gt;5 years full time&lt;br&gt;Dalyell by invitation</td>
<td>This five-year combined degree links the core elements of engineering and medical science. The technology-based engineering skills you develop during your studies will be complemented by skills in medical sciences. It forms an ideal base for postgraduate research or graduate studies in medicine or dentistry. You can combine any engineering stream with a Bachelor of Science (Medical Science), where you will access the Open Learning Environment and the shared pool of majors, minors and electives.</td>
<td><strong>Assumed knowledge</strong>&lt;br&gt;Mathematics Extension 1, Chemistry, and either Biology or Physics or equivalent.</td>
<td>Refer to the relevant B Engineering Honours stream and B Science (Medical Science)</td>
</tr>
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*B* for ‘Bachelor of’, *M* for ‘Master of’ and *D* for ‘Doctor of’
*.  †.  ф.**, ***, see ‘Table notes’ on pages 56-57
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/ Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B Liberal Arts and Science</strong>&lt;br&gt;3 years full time</td>
<td>With its flexibility and huge choice of majors, the Bachelor of Liberal Arts and Science provides you with a background in both the humanities and the sciences, and gives you useful skills that will make you highly valued by potential employers in jobs across the market. From writing and presenting to thinking ethically and critically, this degree is your preparation for life beyond the classroom.</td>
<td>Assumed knowledgebr&gt;Depends on the subject areas chosen</td>
<td>Science media adviser, science historian, science documentary maker, algebraic geometer, theoretical chemist, mammalian ecologist, human resources manager</td>
</tr>
<tr>
<td><strong>B Music</strong>&lt;br&gt;4 years full time</td>
<td>The four-year Bachelor of Music degree is designed for students who want to build their experience of current approaches to music, in terms of creating and understanding music and its place in society. This degree enables you to develop as a musician through the acquisition of an integrated body of knowledge, skills and ways of thinking about music. It also allows you to undertake a second major in either another music discipline, or other units of study from across the University through the shared pool of majors.</td>
<td>Assumed knowledgebr&gt;Music 1 or equivalent.</td>
<td>These depend on the areas of study and could include: arts administrator, music producer, singer/songwriter, contemporary musician, festival or venue manager, composer, music arranger, sound installation designer, interactive music designer, jazz musician, music journalist, music researcher, event producer.</td>
</tr>
<tr>
<td><strong>B Music (Composition)</strong>&lt;br&gt;4 years full time</td>
<td>Creating new music is a vital part of studies at the Sydney Conservatorium of Music. Our composition and music technology staff are some of Australia’s most gifted and widely recognised composers, working across instrumental and vocal to electronic and electroacoustic music. You will learn all facets of musical composition and be encouraged to specialise and create more ambitious work, with many opportunities to hear your work performed.</td>
<td>Assumed knowledge&lt;br&gt;Music 1 or 2 or equivalent.</td>
<td>Composer, contemporary musician, concert entrepreneur, music teacher</td>
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<td>Course description</td>
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<td>Assumed knowledge/Prerequisite</td>
<td>Career possibilities</td>
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<tr>
<td><strong>B Music (Music Education)</strong>&lt;sup&gt;*&lt;/sup&gt; 4 years full time</td>
<td>Music education, plus instrument or voice or academic study selected from brass, composition, historical performance, jazz studies, musicology, organ, percussion, piano, strings, vocal studies, woodwind. Studies are also undertaken in analysis, history and cultural studies, and music skills (aural perception, harmony and analysis).</td>
<td>Assumed knowledge Music 2 or equivalent. Prerequisite The NSW Education Standards Authority (NESA) requires Band 5 in three HSC subjects (or equivalent) one of which needs to be English (English Standard or English Advanced). Other applicants may be admitted through an approved comparable measure.</td>
<td>Classroom music teacher, private music teacher, conductor, orchestral musician, chamber musician, concert soloist.</td>
</tr>
<tr>
<td><strong>B Music (Performance)</strong> 4 years full time</td>
<td>You will take an instrumental (including jazz) or vocal (classical) principal study from brass, early music, jazz performance, percussion, piano, strings, voice (classical), woodwind. In addition, you will complete core studies in music skills and analysis, history, culture, performance, ensemble studies and pedagogy.</td>
<td>Assumed knowledge Music 2 or equivalent.</td>
<td>Concert soloist, contemporary musician, private music teacher, orchestral musician, chamber musician, concert entrepreneur, arts manager</td>
</tr>
<tr>
<td><strong>B Nursing (Advanced Studies)</strong> 3 years full time</td>
<td>Provide high-quality care and change lives. The Bachelor of Nursing (Advanced Studies) develops a comprehensive understanding of professional nursing practice. Combining practical learning with extensive clinical placements, this degree will enable you to apply for registration with the Nursing and Midwifery Board of Australia and launch your career in healthcare.</td>
<td>Focus areas for nursing: acute care, aged care, child and adolescent health, chronic illness, clinical practice, Indigenous health, mental healthcare and management, pharmacology, physiology, primary healthcare, professional practice, social and health policy.</td>
<td>Registered nurse with a career in a range of healthcare settings, including emergency, intensive care, mental health, cancer and palliative care, aged care, child and adolescent health, international health, education and research. Professional recognition Midwifery Board of Australia</td>
</tr>
<tr>
<td><strong>B Nursing Post Registration (Singapore)</strong> 1 - 2 years part time (depending on intake)</td>
<td>This degree is offered to registered nurses in Singapore. You will further your existing nursing knowledge through greater understanding of the role of nursing in healthcare globally, gain greater appreciation of the value of research to practice and be able to translate research into practice. You will develop critical thinking and problem-solving skills in relation to nursing practice and greater leadership skills in clinical and professional nursing. This program has been developed and is taught and awarded by the University of Sydney and accredited by the Singapore Nursing Board. It is taught in Singapore at the Singapore Institute of Management (SIM).</td>
<td>Nursing knowledge and practice, advanced clinical nursing assessment, clinical and patient education, primary healthcare and community nursing, inquiry and research in nursing, law and ethics in healthcare, nursing management and clinical governance.</td>
<td>Admission to the program requires current registration with the Singapore Nursing Board. Senior nursing and management roles within the health sector, further postgraduate study. Professional recognition Singapore Nursing Board</td>
</tr>
</tbody>
</table>

* B for ‘Bachelor of’, M for ‘Master of’ and D for ‘Doctor of’
†, §, **, ***: see ‘Table notes’ on pages 56-57
Course description | Programs, majors and minors | Assumed knowledge/Prerequisite | Career possibilities
---|---|---|---
**B Oral Health**
3 years full time
Through practical learning and clinical placements, the Bachelor of Oral Health equips you with the required skills, knowledge and experience to deliver oral health education and promotion, dental hygiene and dental therapy services to patients and communities throughout Australia and New Zealand. Fully accredited by the Australian Dental Council, graduates are eligible for registration with the Dental Board of Australia and are licensed with the Environmental Protection Authority to use diagnostic radiation.

Your studies will include dental hygiene, oral health therapy and oral health promotion.

Recommended studies: Biology and/or Chemistry or equivalent.

Dental assistant, dental hygienist, dental technician, oral health educator.

Professional recognition: Australian Dental Council, Dental Board of Australia

**B Pharmacy**
4 years full time
Transform and enrich lives. The Bachelor of Pharmacy develops a comprehensive understanding of how drugs are developed and medications affect the human body. The degree is accredited by the Australian Pharmacy Council and leads to registration as a pharmacist. Combining hands-on learning with clinical experience, this degree is your first step to becoming a registered pharmacist. Pharmacists are an integral part of the healthcare system and have the capacity to directly affect the lives and lifestyles of the people with whom they interact.

Completion of a major is not a requirement. Candidates have the option of completing one major, in either Industrial Pharmacy (consisting of an extended professional placement) or International Pharmacy, which provides an opportunity to participate in an international exchange program as part of the requirements of this major. Your studies will include biology, chemistry, medicinal chemistry, pharmaceutical sciences, pharmacoeconomics, pharmacology, pharmacy and pharmacy practice.

Assumed knowledge: Mathematics and Chemistry or equivalent.

\[ \text{See note below} \]

Recommended studies: Biology or Physics or equivalent.

Pharmacist

A wide variety of career choices is open to registered pharmacists in community pharmacy (community practice), hospital pharmacy, research positions within universities or research institutes, or positions in the pharmaceutical industry in drug production, marketing or drug development.

Professional recognition: Australian Pharmacy Council

**B Pharmacy and Management**
5 years full time
The Bachelor of Pharmacy and Management is an innovative, five-year degree that teaches a unique combination of pharmacy skills and business knowledge to develop the commercial, clinical and communication skills necessary to thrive in a changing and competitive healthcare landscape.

Combining hands-on learning with clinical experience, this program is your first step to becoming a registered pharmacist and playing a vital and rewarding role in healthcare provision.

Completion of a major is not a requirement. Candidates have the option of completing one major in the fifth year, in either Industrial Pharmacy (consisting of an extended professional placement) or International Pharmacy, which provides an opportunity to participate in an international exchange program as part of the requirements of this major. Your studies will include biology, chemistry, medicinal chemistry, pharmaceutical sciences, pharmacoeconomics, pharmacology, pharmacy and pharmacy practice as well as business.

Assumed knowledge: Mathematics and Chemistry or equivalent.

\[ \text{See note below} \]

Recommended studies: Biology or Physics or equivalent.

Pharmacist

A wide variety of career choices is open to registered pharmacists in community pharmacy (community practice), hospital pharmacy, research positions within universities or research institutes, or positions in the pharmaceutical industry in drug production, marketing or drug development. The management component of this course will give you the skills required to run your own business.

Professional recognition: Australian Pharmacy Council

**B Project Management**
3 years full time
This is unlike any other project management degree in Australia and will provide you with the fundamental project management skills, theories and methods required in today’s complex business environment. Units of study include project finance, statistics, analytics, risk management, organisational behaviour and psychology. You can choose a stream from civil engineering science, built environment or software.

Streams available include: built environment, civil engineering science or software. Core units of study include analytics, complex project coordination, organisational behaviour, project finance, project management, psychology, risk management, statistics. You will undertake a capstone project in the final year. Built environment streams are held within the University of Sydney School of Architecture, Design and Planning.

Assumed knowledge: Mathematics Extension 1 or equivalent.

\[ \text{See note below} \]

Professional and management roles in property development, construction, mining, events, IT, banking and finance, state or federal government or in consultancy roles in engineering, water health or energy sectors.

Δ For students undertaking a senior secondary qualification in Australia, Mathematics is a prerequisite for this course.

See the Table notes on page 56
### Course description

**B Psychology**

The Bachelor of Psychology is ideal for you if you know you want to pursue a career in the industry. By the end of the four-year degree you will have the basis for provisional registration as a psychologist in Australia and enough training and experience to start working right away.

To become a fully registered psychologist, you need to undertake another two years of study.

**Programs, majors and minors**

In the first three years of the degree, you will complete a program in psychology, a minor from the shared pool and electives from either psychology, the shared pool or the Open Learning Environment. You will then undertake honours units in psychology in your fourth year.

**Assumed knowledge/Prerequisite**

Assumed knowledge

**Career possibilities**

Clinical psychologist (with additional study), neuropsychologist, organisational psychologist, market researcher, advertising executive, social psychologist researcher, learning and attention researcher.

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### Course description

**B Science**

A Bachelor of Science opens up a world of opportunity. Whether you dream about working at the forefront of research – learning how to analyse and think critically – or want to help make the planet a better place, a Bachelor of Science will give you highly sought-after skills. It will equip you for a huge range of careers – from the sciences and beyond. You will access the Open Learning Environment and the shared pool of majors, minors and electives.

Dalyell Scholars also have the option of completing a Mathematical Sciences program to combine their interest in mathematics with other areas of science and technology.

**Programs, majors and minors**

Choose one major from the options below and a second major or a minor either from these options or from the shared pool:

- agroecosystems (program); anatomy and histology; animal health, disease and welfare; animal production; applied medical science; biochemistry and molecular biology; biology; cell and developmental biology; chemistry; computer science; data science; ecology and evolutionary biology; environmental science (program); environmental studies; financial mathematics and statistics; food science; genetics and genomics; geography; geology and geophysics; history and philosophy of science; immunology (minor); immunology and pathology; infectious diseases; information systems; marine science; mathematical sciences (program – for Dalyell only); mathematics; medicinal chemistry; microbiology; neuroscience (program); nutrition science; pathology (minor); pharmacology; physics; physiology; plant production; plant science (minor only); psychological science***; psychology (program); quantitative life sciences; software development; soil science and hydrology; statistics; virology (minor only); wildlife conservation (minor only).

**Assumed knowledge/Prerequisite**

Assumed knowledge

**Career possibilities**

Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, mathematician, medical scientist, nanoscientist, nutritionist (after further study), psychologist (after further study), plant geneticist, soil scientist. See B Science (Medical Science).

The Bachelor of Science equips you with the breadth and depth of knowledge and the critical analytical skills to pursue an extensive range of established and emerging careers. It prepares you for the jobs of the future.

---

### Course description

**B Science (Health)**

Health is one of the fastest growing sectors. You will learn to understand the nature of the health problems facing global communities and how to design effective healthcare approaches to serve our increasingly consumer-driven, ageing population. The Bachelor of Science (Health) provides you with a comprehensive understanding of health that you can tailor to suit your own interests.

This stream requires completion of a major in health. A minor or second major must be taken either from those available in the B Science, in Human Movement (only available to students enrolled in the Health stream) or from the shared pool.

**Programs, majors and minors**

This stream requires completion of a program in Medical Science, including a Medical Science major. A second major or minor must also be taken from those available in the B Science or from the shared pool.

**Assumed knowledge/Prerequisite**

Assumed knowledge

**Career possibilities**

Health promotion, policymaking, project and case management, healthcare administration, work in insurance, business development, marketing and public relations, research assistance, strength and conditioning consultant, research assistant.

---

### Course description

**B Science (Medical Science)**

With the rise of personalised medicine, an increase in jobs in the broad medical and health sciences is predicted. Whether you want to work at the forefront of medical research or become a doctor or dentist with further study, the Bachelor of Science (Medical Science) will give you the essential foundation for a rewarding career improving the health of people and the community.

This stream requires completion of a program in Medical Science, including a Medical Science major. A second major or minor must also be taken from those available in the B Science or from the shared pool.

**Programs, majors and minors**

This stream requires completion of a program in Medical Science, including a Medical Science major. A second major or minor must also be taken from those available in the B Science or from the shared pool.

**Assumed knowledge/Prerequisite**

Assumed knowledge

**Career possibilities**

Medical researcher, pathologist, doctor (after further study), dentist (after further study), histologist, physiologist, microbiologist, biochemist, biomedical device designer.

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*‘B’ for ‘Bachelor of’, ‘M’ for ‘Master of’ and ‘D’ for ‘Doctor of’
*, †, ‡, **, ***: see ‘Table notes’ on pages 56-57
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/ Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
</table>
| **B Science/ B Advanced Studies**  
4 years full time | **Studies**  
**B Advanced**  
**B Science/ Sciences)**  
**4 years full time**  
**Dalyell by application**  
**As a Dalyell Scholar in the Bachelor of Science/Bachelor of Advanced Studies, you have the opportunity to cultivate scientific expertise alongside the essential critical and analytical skills necessary to navigate today’s dynamic world. Your studies throughout the sciences will be complemented by distinctive Dalyell units and enrichment opportunities. You will combine studies from a range of disciplines, undertake advanced coursework and have access to the Open Learning Environment. In the final year you will also complete either an honours project or a substantial research, community, industry or entrepreneurship project. Dalyell Scholars have the option of completing a Mathematical Sciences program to combine your interest in mathematics with other areas of science and technology.**  
**Refer to B Science/B Advanced Studies. A second major must also be taken from these options or from the shared pool. As a Dalyell Scholar, you will undertake 12 credit points of distinctive Dalyell units complemented by a suite of additional enrichment opportunities, including mentoring, professional skill development and a global mobility experience.**  
**Assumed knowledge Mathematics or Mathematics Extension 1 or equivalent. All students undertake some study in mathematics. Other assumed knowledge depends on subjects chosen. Δ See note below**  
**Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, investment banker, journalist, mathematician, medical scientist, nanoscientist, nutritionist, psychologist, plant geneticist, soil scientist**  
The Bachelor of Science/ Bachelor of Advanced Studies equips you with the breadth and depth of knowledge and the critical analytical skills to pursue an extensive range of established and emerging careers. It prepares you for the jobs of the future. | **Assumed knowledge**  
**Mathematics or Mathematics Extension 1 or equivalent. All students undertake some study in mathematics. Other assumed knowledge depends on subjects chosen. Δ See note below**  
**Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, investment banker, journalist, mathematician, medical scientist, nanoscientist, nutritionist, psychologist, plant geneticist, soil scientist**  
The Bachelor of Science/ Bachelor of Advanced Studies equips you with the breadth and depth of knowledge and the critical analytical skills to pursue an extensive range of established and emerging careers. It prepares you for the jobs of the future. |

Δ. For students undertaking a senior secondary qualification in Australia, Mathematics is a prerequisite for this course. See the Table notes on page 56.
This combined degree offers exceptional opportunities to budding scientists who relish a challenge. From independent research to in-depth problems and lectures, the advanced stream will give you the skills to embark on postgraduate study or work at the forefront of research.

In this degree you will undertake advanced versions of units of study within your selected majors, combine studies from a range of disciplines, undertake advanced coursework and have access to the Open Learning Environment. In the final year you will also complete either an honours project or a substantial research, community, industry or entrepreneurship project.

The Bachelor of Science/Bachelor of Agribusiness will allow you to capitalise on the huge growth in the Australian food and beverage sector that is generating demand for a more skilled and capable workforce.

You will study both food science and business in this degree, with this combination of disciplines giving you a desirable and distinct set of skills and knowledge. In this degree, you will undertake advanced coursework and have access to the Open Learning Environment. In the final year you will also complete either an honours project or a substantial research, community, industry or entrepreneurship project.
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B Science/ B Advanced Studies (Health)</strong> 4 years full time Dalyell by invitation</td>
<td>Health is one of Australia’s fastest-growing sectors. This course provides a thorough grounding in health and health systems at the local, national and global levels. You will graduate with the ability to navigate the complexity of health in different sociocultural, political and economic contexts. You will develop core skills in critical thinking, complex problem-solving, communication and empathy. In this combined degree, you will complete studies from a range of disciplines, undertake advanced coursework, and have access to the Open Learning Environment. In the final year you will also complete either an honours project or a substantial research, community, industry or entrepreneurship project.</td>
<td>This stream requires completion of a major in health. A second major must also be taken either from those available in B Science, in human movement (only available to students enrolled in the Health stream) or from the shared pool.</td>
<td>Health promotion, policymaking, healthcare administration, project and case management, work in insurance, business development, marketing and public relations, research assistant, sports and conditioning consultant</td>
</tr>
<tr>
<td><strong>B Science/ B Advanced Studies (B Science)</strong> 4 years full time Dalyell by invitation</td>
<td>With the rise of personalised medicine, an increase in jobs in the broad medical and health sciences is predicted. Whether you want to work at the forefront of medical research or become a doctor or dentist with further study, this degree will give you the essential foundation for a rewarding career improving the health of people and the community. In this combined degree, you will complete studies from a range of disciplines, undertake advanced coursework, and have access to the Open Learning Environment. In the final year you will also complete either an honours project or a substantial research, community, industry or entrepreneurship project.</td>
<td>This stream requires completion of a program in Medical Science, including a Medical Science major. A second major must also be taken from those available in B Science or from the shared pool.</td>
<td>Medical researcher, pathologist, doctor (with further study), dentist (with further study), histologist, physiologist, microbiologist, biochemist, biomedical device designer, anatomy researcher, infectious diseases researcher, geneticist</td>
</tr>
</tbody>
</table>

Δ. For students undertaking a senior secondary qualification in Australia, Mathematics is a prerequisite for this course. See the Table notes on page 56
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B Science/B Law</strong>&lt;br&gt;5 years full time&lt;br&gt;Dalyell by invitation</td>
<td>The legal field needs professionals who can understand and translate complex science. With a Bachelor of Science/Bachelor of Laws, you will graduate with two degrees and a suite of specialist skills that will allow you to carve out a niche in the legal sector. It will prepare you for jobs across patents, intellectual property and even forensics. Refer to B Science. Please note that the only stream available in this combined degree is the Dalyell stream. Units of study for Law: First year: foundations of law, legal research I, torts. Second year: civil and criminal procedure, contracts, criminal law. Third year: torts and contracts II, legal research II, public international law, public law. Fourth year: administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property and the legal profession. Final year: private international law A and seven elective units of study.</td>
<td>Assumed knowledge Mathematics or Mathematics Extension 1 or equivalent. All students undertake some study in mathematics. Other assumed knowledge depends on subjects chosen. ∆ See note below</td>
<td>Refer to B Science. For Law: solicitor, barrister, magistrate, judge. Non-legal: diplomacy, foreign affairs, human rights, international relations, investment banking, journalism, management consultancy, public policy</td>
</tr>
<tr>
<td><strong>B Science/B Dental Medicine</strong>†ф&lt;br&gt;7 years full time&lt;br&gt;Dalyell by invitation</td>
<td>This double degree gives you the opportunity to study science before undertaking dentistry. Designed for high school leavers who have achieved outstanding results, you will study a three-year undergraduate science degree, followed by a four-year Doctor of Dental Medicine. If you become a Dalyell Scholar, you will gain a deeper understanding of the scientific fundamentals that underpin dentistry and be better prepared for any career path you choose. This double degree is delivered by the faculties of Science and Dentistry. Refer to B Science. All students undertake first-year biology and some units of study in mathematics. As a Dalyell Scholar you will also complete 12 credit points of distinctive Dalyell units designed to cultivate high-level graduate attributes. You will also have access to a suite of additional enrichment opportunities. For the Doctor of Dental Medicine you will study clinical dentistry, life sciences and a research project.</td>
<td>Assumed knowledge Refer to B Science. ∆ See note below</td>
<td>Dentist in private practice, public service (hospitals, schools, health departments), defence forces, oral health researcher, academic careers, and a variety of specialisation options upon completion of professional and research experience</td>
</tr>
<tr>
<td><strong>B Science/D Medicine</strong>&lt;br&gt;7 years full time&lt;br&gt;Dalyell by invitation</td>
<td>This double degree gives you the opportunity to study science before undertaking medicine. This pathway allows school leavers who have achieved exceptional results to commence a three-year undergraduate science degree followed by a four-year Doctor of Medicine (MD). It gives you a deeper understanding of the scientific fundamentals that underpin medicine, so you will be better prepared for any career in medicine, from specialisation to research and teaching. Students may choose to take the Dalyell stream and will have access to the shared pool and Open Learning Environment. This degree is delivered by the Faculty of Science and the University of Sydney Medical School. You may elect to complete the Medical Science stream or choose from a wide range of majors from across the sciences. Refer to B Science, B Science (Medical Science) and the course website: sydney.edu.au/courses During the Bachelor of Science you will complete foundational knowledge units for medicine plus a zero-credit-point subject in Medicine. In the Doctor of Medicine component, practical experience – including contact with patients and observation of the physical aspects of disease – commences in the first year and continues to the final year. Dalyell Scholars will complete 12 credit points of distinctive Dalyell units designed to cultivate high-level graduate attributes. You will also have access to a suite of additional enrichment opportunities.</td>
<td>Assumed knowledge Refer to B Science and/or B Science (Medical Science). ∆ See note below</td>
<td>General practitioner or specialist, surgeon, researcher, pharmaceutical industry, management consultancy, teaching, medical administration, medical communication</td>
</tr>
</tbody>
</table>

*B* for ‘Bachelor of’, *M* for ‘Master of’ and *D* for ‘Doctor of’

*, †, ф, **, ***: see ‘Table notes’ on pages 56-57
### B Science/ M Mathematical Sciences
4.5 years full time

**Dalyell by invitation**

- **Course description:** Become a leader in the field of mathematics and statistics. This combined degree is designed to give you the skills and breadth of knowledge needed to pursue a career in the mathematical sciences.
- **Programs, majors and minors:** Students will complete a Mathematical Sciences program, including a major in mathematics, statistics, financial mathematics, and data science. The second major or minor can be chosen from those available in the B Science or from the shared pool.
- **Assumed knowledge:** Mathematics Extension 2 or equivalent. Students with top band Extension 1 or equivalent are also encouraged to apply. See note below
- **Prerequisite:** Mathematics is a prerequisite for this course.
- **Career possibilities:** Business analyst, bioinformatics, data scientist, economic modeller, energy forecaster, game designer, health planner, quantitative analyst in banking, statistician, market analyst, meteorologist, financial analyst, teacher, researcher, web analyst

### B Science/ M Nursing
4 years full time

**Dalyell by invitation**

- **Course description:** Become a leader in healthcare and nursing. The combined Bachelor of Science and Master of Nursing program cultivates the critical thinking skills and breadth of the sciences alongside the expertise and experience to become a registered nurse. It provides a wide range of career opportunities across both clinical and non-clinical settings.
- **Programs, majors and minors:** Refer to B Science. You will choose one major from B Science. All students must take some units of study in mathematics. Focus areas for Nursing: acute care, aged care, child and adolescent health, chronic illness, clinical practice, Indigenous health, mental health care and management, pharmacology, physiology, professional practice, social and health policy.
- **Assumed knowledge:** Mathematics or Mathematics Extension 1 or equivalent. All students undertake some study in mathematics. Other assumed knowledge depends on subjects chosen. See note below
- **Prerequisite:** Mathematics is a prerequisite for this course.
- **Career possibilities:** Registered nurse in a range of healthcare settings with the ability to use your knowledge of science in health issues such as infectious and non-communicable diseases, infection control, climate change, public health research and policy.

### B Science (Health)/ M Nursing
4 years full time

**Dalyell by invitation**

- **Course description:** Pioneer healthcare innovations and transform lives. This combined degree provides a thorough grounding in health and health systems at the local, national and global levels, while developing the knowledge, skills and experience to become a registered nurse.
- **Programs, majors and minors:** Refer to B Science (Health) - you will complete a major in Health. Focus areas for Nursing: acute care, aged care, child and adolescent health, chronic illness, clinical practice, Indigenous health, mental health care and management, pharmacology, physiology, professional practice, social and health policy.
- **Assumed knowledge:** Mathematics or Mathematics Extension 1 or equivalent. All students undertake some study in mathematics. See note below
- **Prerequisite:** Mathematics is a prerequisite for this course.
- **Career possibilities:** Registered nurse in a range of healthcare settings and you can apply your knowledge of health systems to industries supporting healthcare, including e-health, mental health, industrial relations and management.

### B Science/ M Nutrition and Dietetics
5 years full time

**Dalyell by invitation**

- **Course description:** With a solid foundation in science plus a two-year master’s degree that has full accreditation from the Dietitians Association of Australia, the five-year Bachelor of Science and Master of Nutrition and Dietetics provides the training you need to launch straight into a career in nutrition and dietetics.
- **Programs, majors and minors:** For the B Science, you will need to complete a program in Nutrition and Dietetics, including a major in Nutrition Science, a minor or a second major and complete units of study from the Open Learning Environment. For M Nutrition and Dietetics, your studies will include clinical nutrition, nutritional science and public health nutrition. You will also complete a nutrition research project.
- **Assumed knowledge:** Mathematics, Chemistry and Biology or equivalent. All students undertake some study in mathematics. See note below
- **Prerequisite:** Mathematics is a prerequisite for this course.
- **Career possibilities:** Dietitian, nutritional researcher, hospital nutritionist, biochemist, food scientist

### B Social Work
4 years full time

- **Course description:** The Bachelor of Social Work allows you to qualify as a professional social worker while also taking two years of tertiary studies in other areas of interest such as sociology, diversity studies or gender studies.
- **Programs, majors and minors:** Combining studies in social policy and social work, you will develop skills to promote social change, problem solve in human relationships, and empower and liberate people to enhance wellbeing. You will gain strong negotiating skills, a nuanced understanding of cultural contexts and sensitivity to various religious beliefs.
- **Assumed knowledge:** Depends on first-year subjects chosen.
- **Prerequisite:** Mathematics is a prerequisite for this course.
- **Career possibilities:** Aged care worker, children and families support worker, community worker in programs for people with disabilities, migrant and refugee liaison officer, international development worker, social policy adviser.

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Δ For students undertaking a senior secondary qualification in Australia, Mathematics is a prerequisite for this course. See the Table notes on page 56
<table>
<thead>
<tr>
<th>Course description</th>
<th>Programs, majors and minors</th>
<th>Assumed knowledge/Prerequisite</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B Veterinary Biology/ D Veterinary Medicine</strong>&lt;sup&gt;†&lt;/sup&gt; 6 years full time</td>
<td>This degree provides you with both a scientific foundation and specialist clinical and medical experience. With its integrated approach designed for understanding real-world situations, the six-year course will turn you into a global professional at the forefront of modern veterinary medicine.</td>
<td>Your studies will include animal behaviour and welfare science, animal diseases and pathobiology, animal husbandry, cell biology, clinical and professional practice, pharmacology, veterinary anatomy and physiology, veterinary conservation biology, veterinary medicine, veterinary public health and veterinary surgery.</td>
<td>Veterinarian, veterinary geneticist, small animal veterinarian, livestock veterinarian, equine veterinarian, biosecurity researcher, veterinary cardiologist, public health policymaker</td>
</tr>
<tr>
<td><strong>B Visual Arts</strong> 3 years full time</td>
<td>The Bachelor of Visual Arts is offered by Sydney College of the Arts, Sydney's premier training ground for contemporary visual artists for more than 40 years. It is a hands-on degree focused on developing the conceptual, theoretical and technical skills you need to succeed as a practising artist or in a range of careers in the creative industries. You will be encouraged to work across disciplinary boundaries to realise your ideas, and you'll gain a thorough grounding in the skills and history of your chosen specialisation.</td>
<td>A range of specialisations is available. In addition to your specialisation, you will also have access to a wide range of electives in contemporary art, as well as units of study in many other disciplines offered across the University.</td>
<td>Artist, arts writer, craftsperson, curator, digital artist, educator (with further tertiary qualifications), exhibition designer, filmmaker, illustrator, painter, product designer, sound artist, web and multimedia designer</td>
</tr>
<tr>
<td><strong>B Visual Arts/ B Advanced Studies</strong> 4 years full time</td>
<td>The Bachelor of Visual Arts/ Bachelor of Advanced Studies is a combined degree offered by Sydney College of the Arts (SCA), Sydney's premier training ground for contemporary visual artists for more than 40 years. This exciting and diverse combined degree offers the opportunity to develop your visual arts specialisation with advanced coursework, access to the shared pool and the Open Learning Environment, creating a study profile that reflects your expertise in a range of disciplines.</td>
<td>A range of specialisations is available. In addition to your specialisation, you will also take a major from the shared pool and complete either a substantial research, community, industry or entrepreneurship project, or an Honours project in the final year.</td>
<td>Artist, arts journalist, commercial art director, craftsperson, creative director, cultural officer or program manager, curator, digital producer, educator (with further tertiary qualifications), film producer or filmmaker, innovation manager, web and interaction designer</td>
</tr>
<tr>
<td><strong>Diploma of Music</strong>&lt;sup&gt;†&lt;/sup&gt; 2 years full time</td>
<td>Studying the Diploma of Music at the Sydney Conservatorium of Music will provide you with vocational training in performance skills at a high level if you are aspiring to a professional career in music performance. It is also a great pathway to our internationally regarded Bachelor of Music degrees.</td>
<td>A major in the Diploma of Music is defined as a principal study. Students undertake principal study over four semesters in either instrument, voice (classical), or jazz performance. In addition, students complete core studies in music skills and other performance related areas.</td>
<td>Arts administrator, concert entrepreneur, event producer, festival or venue manager, music journalist, music producer, orchestral musician, chamber musician, private music teacher, singer/songwriter</td>
</tr>
</tbody>
</table>
For students undertaking a senior secondary qualification in Australia, Mathematics is a prerequisite for this course. See the Table notes on page 56.
Below are the Australian Tertiary Admission Rank (ATAR) or International Baccalaureate (IB) scores for 2019. All the scores below are guaranteed for admission in 2019, except where marked with an asterisk*. These scores are an indication of what you will need for admission in 2019. Find out more about guaranteed ATARs at sydney.edu.au/sydney-ATAR

### Course name

<table>
<thead>
<tr>
<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture, design and planning</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• B Architecture and Environments</td>
<td>85/31</td>
<td>3</td>
<td>62</td>
</tr>
<tr>
<td>• B Design Computing</td>
<td>80/28</td>
<td>3</td>
<td>67</td>
</tr>
<tr>
<td>▲ B Design Computing/B Advanced Studies</td>
<td>80/28</td>
<td>4</td>
<td>67</td>
</tr>
<tr>
<td>• B Design in Architecture</td>
<td>95/37</td>
<td>3</td>
<td>68</td>
</tr>
<tr>
<td>▲ B Design in Architecture (Honours)/M Architecture</td>
<td>(97/39)*</td>
<td>5</td>
<td>68</td>
</tr>
<tr>
<td>Arts and social sciences</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• B Arts</td>
<td>80/28</td>
<td>3</td>
<td>63</td>
</tr>
<tr>
<td>▲ B Arts/B Advanced Studies</td>
<td>80/28</td>
<td>4</td>
<td>64</td>
</tr>
<tr>
<td>• B Arts/B Advanced Studies (Dalyell Scholars including Languages)‡</td>
<td>98/40</td>
<td>4</td>
<td>64</td>
</tr>
<tr>
<td>▲ B Arts/B Advanced Studies (International and Global Studies)</td>
<td>92/34</td>
<td>4</td>
<td>64</td>
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<td>▲ B Arts/B Advanced Studies (Media and Communications)</td>
<td>95/37</td>
<td>4</td>
<td>65</td>
</tr>
<tr>
<td>▲ B Arts/B Advanced Studies (Politics and International Relations)</td>
<td>95/37</td>
<td>4</td>
<td>65</td>
</tr>
<tr>
<td>• B Arts (Sciences Po Dual Degree)**</td>
<td>A+C</td>
<td>2+2</td>
<td>63</td>
</tr>
<tr>
<td>• B Economics</td>
<td>90/33</td>
<td>3</td>
<td>68</td>
</tr>
<tr>
<td>▲ B Economics/B Advanced Studies</td>
<td>90/33</td>
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<td>68</td>
</tr>
<tr>
<td>• B Economics (Sciences Po Dual Degree)**</td>
<td>A+C</td>
<td>2+2</td>
<td>69</td>
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<tr>
<td>• B Visual Arts</td>
<td>A+C</td>
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<td>▲ B Visual Arts/B Advanced Studies</td>
<td>A+C</td>
<td>4</td>
<td>84</td>
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<tr>
<td>• Diploma of Artsφ</td>
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<tr>
<td>• Diploma of Language Studiesφ</td>
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<td>3-6 part time</td>
<td>na</td>
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<tr>
<td>• Diploma of Social Sciencesφ</td>
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### Business

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<th>ATAR/IB</th>
<th>Duration in years</th>
<th>Page</th>
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<tbody>
<tr>
<td>• B Commerce</td>
<td>95/36</td>
<td>3</td>
<td>66</td>
</tr>
<tr>
<td>▲ B Commerce/B Advanced Studies</td>
<td>95/36</td>
<td>4</td>
<td>66</td>
</tr>
<tr>
<td>▲ B Commerce/B Advanced Studies (Dalyell Scholars)†</td>
<td>98/40</td>
<td>4</td>
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</table>

### Education and social work

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<thead>
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<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>• B Education (Early Childhood)</td>
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<td>69</td>
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<tr>
<td>• B Education (Health and Physical Education)*</td>
<td>A+C (80/28)</td>
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<tr>
<td>• B Education (Primary)^</td>
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<tr>
<td>• B Social Work</td>
<td>80/28</td>
<td>4</td>
<td>83</td>
</tr>
<tr>
<td>• B Arts/B Social Work</td>
<td>80/28</td>
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</tr>
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</table>

### Engineering and information technologies

<table>
<thead>
<tr>
<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>• B Advanced Computing</td>
<td>90/33</td>
<td>4</td>
<td>60</td>
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<tr>
<td>▲ B Advanced Computing/B Commerce</td>
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<td>5</td>
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<td>90/33</td>
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<tr>
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<tr>
<td>• B Engineering Honours (Dalyell Scholars)†</td>
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<td>4</td>
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<tr>
<td>• B Engineering Honours (Aeronautical)</td>
<td>92/34</td>
<td>4</td>
<td>71</td>
</tr>
</tbody>
</table>

You can identify courses by the degree pathway:  
• Professional degree  • Specialist degree  • Liberal studies degree  • Combined or double degree

*B* for ‘Bachelor of’, *M* for ‘Master of’ and *D* for ‘Doctor of’
<table>
<thead>
<tr>
<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Engineering Honours (Biomedical)</td>
<td>92/34</td>
<td>4</td>
<td>71</td>
</tr>
<tr>
<td>B Engineering Honours (Chemical and Biomolecular)</td>
<td>92/34</td>
<td>4</td>
<td>71</td>
</tr>
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<td>B Engineering Honours (Civil)</td>
<td>92/34</td>
<td>4</td>
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</tr>
<tr>
<td>B Engineering Honours (Electrical)</td>
<td>92/34</td>
<td>4</td>
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<td>B Engineering Honours (Flexible First Year)</td>
<td>92/34</td>
<td>4</td>
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</tr>
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</tr>
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<td>4</td>
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</tr>
<tr>
<td>B Engineering Honours (Software)</td>
<td>92/34</td>
<td>4</td>
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</tr>
<tr>
<td>B Engineering Honours with space engineering major</td>
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<td>4</td>
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</tr>
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<td>92/34</td>
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<td>73</td>
</tr>
<tr>
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<td>95/37</td>
<td>5</td>
<td>73</td>
</tr>
<tr>
<td>B Engineering Honours/B Law</td>
<td>92/34</td>
<td>5</td>
<td>74</td>
</tr>
<tr>
<td>B Engineering Honours/B Science</td>
<td>92/34</td>
<td>5</td>
<td>74</td>
</tr>
<tr>
<td>B Engineering Honours/B Science (Health)</td>
<td>92/34</td>
<td>5</td>
<td>74</td>
</tr>
<tr>
<td>B Engineering Honours/B Science (Medical Science)</td>
<td>92/34</td>
<td>5</td>
<td>74</td>
</tr>
<tr>
<td>B Project Management</td>
<td>86/31</td>
<td>3</td>
<td>77</td>
</tr>
</tbody>
</table>

**Law**

<table>
<thead>
<tr>
<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Arts/B Laws</td>
<td>99.5/43</td>
<td>5</td>
<td>65</td>
</tr>
<tr>
<td>B Commerce/B Laws</td>
<td>99.5/43</td>
<td>5</td>
<td>67</td>
</tr>
<tr>
<td>B Economics/B Laws</td>
<td>99.5/43</td>
<td>5</td>
<td>69</td>
</tr>
<tr>
<td>B Engineering Honours/B Laws</td>
<td>99.5/43</td>
<td>6</td>
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<td>B Science/B Laws</td>
<td>99.5/43</td>
<td>5</td>
<td>82</td>
</tr>
</tbody>
</table>

**Medicine and health**

<table>
<thead>
<tr>
<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Applied Science (Dental Radiography)</td>
<td>95/37</td>
<td>4</td>
<td>61</td>
</tr>
<tr>
<td>B Applied Science (Exercise and Sport)</td>
<td>82/291</td>
<td>3</td>
<td>61</td>
</tr>
<tr>
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<td>90/33</td>
<td>4</td>
<td>61</td>
</tr>
<tr>
<td>B Applied Science (Occupational Therapy)</td>
<td>92/34</td>
<td>4</td>
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</tr>
<tr>
<td>B Applied Science (Physiotherapy)</td>
<td>99/42</td>
<td>4</td>
<td>62</td>
</tr>
<tr>
<td>B Applied Science (Speech Pathology)</td>
<td>93/351</td>
<td>4</td>
<td>62</td>
</tr>
<tr>
<td>B Arts/D Medicine</td>
<td>A+C (99.95/45)*</td>
<td>7</td>
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</tr>
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<td>4</td>
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<tr>
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<td>84/30</td>
<td>3</td>
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</tr>
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</table>

**Science, agriculture, environment and veterinary science**

<table>
<thead>
<tr>
<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Oral Health</td>
<td>A+C (83/50)*</td>
<td>3</td>
<td>77</td>
</tr>
<tr>
<td>B Pharmacy</td>
<td>90/33</td>
<td>4</td>
<td>77</td>
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<td>B Pharmacy and Management</td>
<td>90/33</td>
<td>5</td>
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</tr>
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<td>83</td>
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</table>

**Music**

<table>
<thead>
<tr>
<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Music</td>
<td>A+C</td>
<td>4</td>
<td>75</td>
</tr>
<tr>
<td>B Music (Composition)</td>
<td>A+C</td>
<td>4</td>
<td>75</td>
</tr>
<tr>
<td>B Music (Music Education)^</td>
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<td>4</td>
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<tr>
<td>B Music (Performance)</td>
<td>A+C</td>
<td>4</td>
<td>76</td>
</tr>
</tbody>
</table>

**International Guide 2019 Undergraduate courses**
“I feel very fortunate to study among top scholars in my field, in a learning environment that fosters collaboration and innovation.”

Fannie Couture
Doctor of Philosophy
University of Sydney Business School Research Scholarship
Home country: Canada
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POSTGRADUATE STUDY

Where will postgraduate study lead you?
Whether you want to gain new professional qualifications, change your career direction or pursue a personal ambition, the University of Sydney will steer you to places you never imagined.

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The University’s people drive our greatest feats. We give you access to leading lecturers, research supervisors, industry networks, research and teaching centre staff from Australia and worldwide – across many disciplines.

We also offer the option to fast track your postgraduate studies through recognition of prior learning or credit for previous studies. For details, see page 120.
Postgraduate coursework

Master’s degrees
These are ideal if you need specialised knowledge and skills, and want to:
- take the next step in your career or start a new one
- gain professional qualifications for your next job
- upskill for your current role
- develop academic expertise in your chosen field
- expand your breadth of knowledge.

They typically require between one and two years of full-time study.

Graduate diplomas and graduate certificates
Graduate diplomas and graduate certificates are usually based on master’s degrees and offer a subset of the master’s units.

They are an option if you don’t meet the admission criteria for a master’s degree, or if you are unable to undertake a master’s due to time or financial constraints.

If you don’t meet the requirements for a master’s degree, for some degrees you may be offered a place in the graduate certificate or diploma instead.

Once you finish the graduate certificate (usually six months of full-time study) you may then be able to progress to the equivalent graduate diploma (usually one year full time) and a master’s degree. Not all master’s degrees offer the graduate certificate and graduate diploma options, and some graduate certificates and diplomas may not be available for study full time onshore.

Find out more about your course at sydney.edu.au/courses

Research degrees
Whether you’re an aspiring academic, seeking a competitive edge in your career, or want to explore a passion, a research degree will put you at the pinnacle of your studies.

Emarking on a research degree at Sydney is an opportunity to work alongside some of the world’s brightest and most accomplished academics. We offer exceptional facilities that support our pioneering multidisciplinary approach. Our scholars unite using the latest technology across the physical, medical, life and engineering sciences, the humanities and social sciences.

We have the drive to challenge traditional ways of thinking. You will have the support you need to contribute to research that makes a meaningful, real-world impact.

One way we support our researchers is through scholarships, available to international postgraduate research students in any discipline.

PhD students can also apply for travel grants to facilitate research activities with our international partners, including top tier institutions in Asia, Europe/UK and North America.

For more information about our research excellence, see pages 10 and 11 or visit sydney.edu.au/research

Our postgraduate research degrees include:

Master’s by research/Master of Philosophy (MPhil)
This degree usually requires 1-2 years of full-time study, and allows a candidate to undertake research and advanced specialisation. It can also provide a pathway to further study at PhD level.

Doctor of Philosophy (PhD)
This is our premier research award and the highest qualification that you can attain in Australia. It comprises independent research and writing on an approved topic toward a thesis for examination. Admission to research degrees is highly competitive. In general, to be eligible for admission you need to demonstrate sufficient prior research experience and capability.

Learn more about our research degrees:
- sydney.edu.au/study/pg-research

Graduate degree progression

Graduate certificate
Complete some of the essential units of study towards a master’s degree
Usually six months of full-time study

Graduate diploma
Complete more units of study that you can count towards a master’s degree
Usually one year of full-time study

Master’s degree
Gain specialised skills and knowledge or professional qualifications
Usually one or two years of full-time study
The course names in this index do not include the course level title such as master, doctor, graduate diploma or graduate certificate.

<table>
<thead>
<tr>
<th>Coursework courses</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative Law and Policy</td>
<td>106</td>
</tr>
<tr>
<td>Advanced Nursing Practice</td>
<td>111</td>
</tr>
<tr>
<td>Agriculture and Environment</td>
<td>113</td>
</tr>
<tr>
<td>Architectural Science</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science - Single stream</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science (Audio and Acoustics)</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science (Illumination Design)</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science (High Performance Buildings)</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science (Sustainable Design)</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science - Double stream</td>
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<td>Architectural Science (Audio and Acoustics) (High Performance Buildings)</td>
<td>96</td>
</tr>
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<td>96</td>
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<td>96</td>
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<td>96</td>
</tr>
<tr>
<td>Architectural Science (High Performance Buildings) (Illumination Design)</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science (High Performance Buildings) (Sustainable Design)</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science (Illumination Design) (Audio and Acoustics)</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science (Illumination Design) (High Performance Buildings)</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science (Illumination Design) (Sustainable Design)</td>
<td>96</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Coursework courses</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Science (Sustainable Design) (Audio and Acoustics)</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science (Sustainable Design) (High Performance Buildings)</td>
<td>96</td>
</tr>
<tr>
<td>Architectural Science (Sustainable Design) (Illumination Design)</td>
<td>96</td>
</tr>
<tr>
<td>Architecture</td>
<td>96</td>
</tr>
<tr>
<td>Art Curating</td>
<td>98</td>
</tr>
<tr>
<td>Bioethics</td>
<td>109</td>
</tr>
<tr>
<td>Biostatistics</td>
<td>116</td>
</tr>
<tr>
<td>Brain and Mind Sciences</td>
<td>109</td>
</tr>
<tr>
<td>Business Administration</td>
<td>100</td>
</tr>
<tr>
<td>Business Administration (Leadership and Enterprise)</td>
<td>100</td>
</tr>
<tr>
<td>Business Law</td>
<td>106</td>
</tr>
<tr>
<td>Cancer and Haematology Nursing</td>
<td>111</td>
</tr>
<tr>
<td>Clinical Dentistry (Advanced Restorative)</td>
<td>108</td>
</tr>
<tr>
<td>Clinical Dentistry (Oral Medicine)</td>
<td>108</td>
</tr>
<tr>
<td>Clinical Dentistry (Orthodontics)</td>
<td>108</td>
</tr>
<tr>
<td>Clinical Dentistry (Periodontics)</td>
<td>108</td>
</tr>
<tr>
<td>Clinical Dentistry (Prosthodontics)</td>
<td>109</td>
</tr>
<tr>
<td>Clinical Dentistry (Special Care Dentistry)</td>
<td>109</td>
</tr>
<tr>
<td>Clinical Dentistry (Surgical Dentistry)</td>
<td>108</td>
</tr>
<tr>
<td>Clinical Psychology</td>
<td>113</td>
</tr>
<tr>
<td>Clinical Surgery</td>
<td>109</td>
</tr>
<tr>
<td>Clinical Trials Research</td>
<td>116</td>
</tr>
<tr>
<td>Commerce</td>
<td>101</td>
</tr>
<tr>
<td>Complex Systems</td>
<td>103</td>
</tr>
<tr>
<td>Computing</td>
<td>103</td>
</tr>
<tr>
<td>Creative Writing</td>
<td>98</td>
</tr>
<tr>
<td>Criminology</td>
<td>106</td>
</tr>
<tr>
<td>Cross-cultural and Applied Linguistics</td>
<td>98</td>
</tr>
<tr>
<td>Cultural Studies</td>
<td>98</td>
</tr>
<tr>
<td>Data Science</td>
<td>103</td>
</tr>
<tr>
<td>Dental Medicine</td>
<td>109</td>
</tr>
<tr>
<td>Design</td>
<td>97</td>
</tr>
<tr>
<td>Design (Design Innovation)</td>
<td>97</td>
</tr>
<tr>
<td>Design (Design Innovation and Strategic Design)</td>
<td>97</td>
</tr>
<tr>
<td>Design (Strategic Design)</td>
<td>97</td>
</tr>
<tr>
<td>Development Studies</td>
<td>98</td>
</tr>
<tr>
<td>Diagnostic Radiography</td>
<td>107</td>
</tr>
<tr>
<td>Digital Communication and Culture</td>
<td>98</td>
</tr>
<tr>
<td>Economic Analysis</td>
<td>98</td>
</tr>
<tr>
<td>Economics</td>
<td>98</td>
</tr>
<tr>
<td>Education</td>
<td>102</td>
</tr>
<tr>
<td>Education (Educational Management and Leadership)</td>
<td>102</td>
</tr>
<tr>
<td>Education (Educational Psychology)</td>
<td>102</td>
</tr>
<tr>
<td>Education (International Education)</td>
<td>115</td>
</tr>
<tr>
<td>Education (Special and Inclusive Education)</td>
<td>102</td>
</tr>
<tr>
<td>Education (Sports Coaching)</td>
<td>102</td>
</tr>
<tr>
<td>Education (TESOL)</td>
<td>102</td>
</tr>
<tr>
<td>Emergency Nursing</td>
<td>111</td>
</tr>
<tr>
<td>Engineering</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Automation and Manufacturing Systems)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Biomedical Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Chemical and Biomolecular Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Civil Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>Coursework courses</td>
<td>Page</td>
</tr>
<tr>
<td>--------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Engineering (Electrical Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Fluids Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Geomechanical Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Mechanical Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Power Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Risk Management)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Software)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Structural Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Sustainability and Environmental Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>Engineering (Telecommunications Engineering)</td>
<td>104</td>
</tr>
<tr>
<td>English Studies</td>
<td>98</td>
</tr>
<tr>
<td>Environmental Law</td>
<td>106</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>113</td>
</tr>
<tr>
<td>Environmental Science and Law</td>
<td>114</td>
</tr>
<tr>
<td>Evidence-Based Complementary Medicines</td>
<td>117</td>
</tr>
<tr>
<td>Executive Arts and Social Sciences</td>
<td>98</td>
</tr>
<tr>
<td>Executive Business Administration</td>
<td>115</td>
</tr>
<tr>
<td>Exercise Physiology</td>
<td>107</td>
</tr>
<tr>
<td>Global Health</td>
<td>109</td>
</tr>
<tr>
<td>Health Communication</td>
<td>99</td>
</tr>
<tr>
<td>Health Law</td>
<td>106</td>
</tr>
<tr>
<td>Health Policy</td>
<td>110</td>
</tr>
<tr>
<td>Health Security</td>
<td>99</td>
</tr>
<tr>
<td>Health Technology Innovation</td>
<td>104</td>
</tr>
<tr>
<td>Heritage Conservation</td>
<td>97</td>
</tr>
<tr>
<td>Human and Community Services</td>
<td>101</td>
</tr>
<tr>
<td>Human Resource Management and Industrial Relations</td>
<td>101</td>
</tr>
<tr>
<td>Human Rights</td>
<td>99</td>
</tr>
<tr>
<td>Information Technology</td>
<td>104</td>
</tr>
<tr>
<td>Information Technology and Information Technology</td>
<td>105</td>
</tr>
<tr>
<td>Information Technology Management</td>
<td>105</td>
</tr>
<tr>
<td>Intensive Care Nursing</td>
<td>111</td>
</tr>
<tr>
<td>Interaction Design and Electronic Arts</td>
<td>97</td>
</tr>
<tr>
<td>Interaction Design and Electronic Arts (Audio and Acoustics)</td>
<td>97</td>
</tr>
<tr>
<td>Interaction Design and Electronic Arts (Illumination Design)</td>
<td>97</td>
</tr>
<tr>
<td>International Business</td>
<td>101</td>
</tr>
<tr>
<td>International Law</td>
<td>107</td>
</tr>
<tr>
<td>International Ophthalmology</td>
<td>116</td>
</tr>
<tr>
<td>International Relations</td>
<td>99</td>
</tr>
<tr>
<td>International Security</td>
<td>99</td>
</tr>
<tr>
<td>International Studies</td>
<td>99</td>
</tr>
<tr>
<td>Juris Doctor</td>
<td>106</td>
</tr>
<tr>
<td>Jurisprudence</td>
<td>107</td>
</tr>
<tr>
<td>Labour Law and Relations</td>
<td>107</td>
</tr>
<tr>
<td>Laws</td>
<td>107</td>
</tr>
<tr>
<td>Learning Sciences and Technology (Professional)</td>
<td>102</td>
</tr>
<tr>
<td>Learning Sciences and Technology (Research)</td>
<td>102</td>
</tr>
<tr>
<td>Logistics and Supply Chain Management</td>
<td>101</td>
</tr>
<tr>
<td>Management</td>
<td>101</td>
</tr>
<tr>
<td>Management (CEMS)</td>
<td>101</td>
</tr>
<tr>
<td>Marine Science and Management</td>
<td>114</td>
</tr>
<tr>
<td>Mathematical Sciences</td>
<td>114</td>
</tr>
<tr>
<td>Media Practice</td>
<td>99</td>
</tr>
<tr>
<td>Medical Imaging Science</td>
<td>116</td>
</tr>
<tr>
<td>Medical Physics</td>
<td>114</td>
</tr>
<tr>
<td>Medicine (Doctor of)</td>
<td>109</td>
</tr>
<tr>
<td>Medicine (Cataract and Refractive Surgery)</td>
<td>116</td>
</tr>
<tr>
<td>Medicine (Clinical Epidemiology)</td>
<td>110</td>
</tr>
<tr>
<td>Medicine (Clinical Neurophysiology)</td>
<td>116</td>
</tr>
<tr>
<td>Medicine (Critical Care Medicine)</td>
<td>116</td>
</tr>
<tr>
<td>Medicine (General Practice and Primary Healthcare)</td>
<td>110</td>
</tr>
<tr>
<td>Medicine (Infection and Immunity)</td>
<td>110</td>
</tr>
<tr>
<td>Medicine (Internal Medicine)</td>
<td>116</td>
</tr>
<tr>
<td>Medicine (Metabolic Health)</td>
<td>117</td>
</tr>
<tr>
<td>Medicine (Ophthalmic Science)</td>
<td>117</td>
</tr>
<tr>
<td>Medicine (Paediatric Medicine)</td>
<td>117</td>
</tr>
<tr>
<td>Medicine (Pain Management)</td>
<td>117</td>
</tr>
<tr>
<td>Medicine (Pharmaceutical and Medical Device Development)</td>
<td>117</td>
</tr>
<tr>
<td>Medicine (Psychiatry)</td>
<td>110</td>
</tr>
<tr>
<td>Medicine (Sexual and Reproductive Health)</td>
<td>110</td>
</tr>
<tr>
<td>Medicine (Sexual and Reproductive Health) and Master of Philosophy</td>
<td>111</td>
</tr>
<tr>
<td>Medicine (Sleep Medicine)</td>
<td>117</td>
</tr>
<tr>
<td>Mental Health Nursing</td>
<td>112</td>
</tr>
<tr>
<td>Moving Image</td>
<td>99</td>
</tr>
<tr>
<td>Museum and Heritage Studies</td>
<td>99</td>
</tr>
<tr>
<td>Music Studies (Conducting)</td>
<td>112</td>
</tr>
<tr>
<td>Music Studies (Opera Performance)</td>
<td>112</td>
</tr>
<tr>
<td>Music Studies (Performance)</td>
<td>112</td>
</tr>
<tr>
<td>Nursing</td>
<td>112</td>
</tr>
<tr>
<td>Nutrition and Dietetics</td>
<td>114</td>
</tr>
</tbody>
</table>
### Coursework courses

<table>
<thead>
<tr>
<th>Coursework courses</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Occupational Therapy</td>
<td>107</td>
</tr>
<tr>
<td>Peace and Conflict Studies</td>
<td>99</td>
</tr>
<tr>
<td>Pharmacy</td>
<td>112</td>
</tr>
<tr>
<td>Physiotherapy</td>
<td>108</td>
</tr>
<tr>
<td>Political Economy</td>
<td>99</td>
</tr>
<tr>
<td>Primary Health Care Nursing</td>
<td>112</td>
</tr>
<tr>
<td>Professional Accounting</td>
<td>101</td>
</tr>
<tr>
<td>Professional Engineering or Professional Engineering (Accelerated) - both available in the following specialisations</td>
<td>105</td>
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<tr>
<td>Aerospace</td>
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</tr>
<tr>
<td>Biomedical</td>
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</tr>
<tr>
<td>Chemical and Biomolecular</td>
<td>105</td>
</tr>
<tr>
<td>Civil</td>
<td>105</td>
</tr>
<tr>
<td>Electrical</td>
<td>105</td>
</tr>
<tr>
<td>Fluids</td>
<td>105</td>
</tr>
<tr>
<td>Geomechanical</td>
<td>105</td>
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<tr>
<td>Mechanical</td>
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<tr>
<td>Power</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>Telecommunications</td>
<td>105</td>
</tr>
<tr>
<td>Project Leadership</td>
<td>106</td>
</tr>
<tr>
<td>Project Management</td>
<td>106</td>
</tr>
<tr>
<td>Project and Program Management</td>
<td>106</td>
</tr>
<tr>
<td>Public Health</td>
<td>111</td>
</tr>
<tr>
<td>Public Policy</td>
<td>100</td>
</tr>
<tr>
<td>Publishing</td>
<td>99</td>
</tr>
<tr>
<td>Rehabilitation Counselling</td>
<td>108</td>
</tr>
<tr>
<td>Science</td>
<td>113</td>
</tr>
<tr>
<td>Science in Coaching Psychology</td>
<td>114</td>
</tr>
<tr>
<td>Science in Medicine (Clinical Epidemiology)</td>
<td>110</td>
</tr>
<tr>
<td>Science in Medicine (Clinical Neurophysiology)</td>
<td>116</td>
</tr>
<tr>
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<td>110</td>
</tr>
<tr>
<td>Science in Medicine (Infection and Immunity)</td>
<td>110</td>
</tr>
<tr>
<td>Science in Medicine (Metabolic Health)</td>
<td>117</td>
</tr>
<tr>
<td>Science in Medicine (Ophthalmic Science)</td>
<td>117</td>
</tr>
<tr>
<td>Science in Medicine (Pain Management)</td>
<td>117</td>
</tr>
<tr>
<td>Science in Medicine (Pharmacological and Medical Device Development)</td>
<td>117</td>
</tr>
<tr>
<td>Science in Medicine (Sexual and Reproductive Health)</td>
<td>111</td>
</tr>
<tr>
<td>Science in Medicine (Sexual and Reproductive Health) and Master of Philosophy</td>
<td>111</td>
</tr>
<tr>
<td>Science in Medicine (Sleep Medicine)</td>
<td>117</td>
</tr>
<tr>
<td>Social Work</td>
<td>102</td>
</tr>
<tr>
<td>Social Work (Qualifying)</td>
<td>102</td>
</tr>
<tr>
<td>Speech Language Pathology</td>
<td>108</td>
</tr>
<tr>
<td>Strategic Public Relations</td>
<td>100</td>
</tr>
<tr>
<td>Surgery (Breast surgery, cardiothoracic surgery, colorectal, endocrine surgery, hand surgery, head and neck, neurosurgery, orthopaedic, otorhinolaryngology, paediatric surgery, plastic and reconstructive surgery, surgical oncology, surgical outcomes, surgical sciences, surgical skills, transplant surgery, trauma surgery, upper gastrointestinal surgery, urology, vascular surgery and endovascular surgery)</td>
<td>111</td>
</tr>
<tr>
<td>Sustainability</td>
<td>114</td>
</tr>
<tr>
<td>Taxation</td>
<td>107</td>
</tr>
<tr>
<td>Teaching (Early Childhood)</td>
<td>102</td>
</tr>
<tr>
<td>Teaching (Health and Physical Education)</td>
<td>102</td>
</tr>
<tr>
<td>Teaching (Primary)</td>
<td>103</td>
</tr>
<tr>
<td>Teaching (School Counselling)</td>
<td>103</td>
</tr>
<tr>
<td>Teaching (Secondary)</td>
<td>103</td>
</tr>
<tr>
<td>Urban and Regional Planning</td>
<td>97</td>
</tr>
<tr>
<td>Urban Design</td>
<td>97</td>
</tr>
<tr>
<td>Urbanism (Heritage Conservation)</td>
<td>97</td>
</tr>
<tr>
<td>Urbanism (Urban and Regional Planning)</td>
<td>97</td>
</tr>
<tr>
<td>Urbanism (Urban Design)</td>
<td>97</td>
</tr>
<tr>
<td>Veterinary Medicine</td>
<td>113</td>
</tr>
</tbody>
</table>

### Research courses

<table>
<thead>
<tr>
<th>Research courses (‘D’ for ‘Doctor of Philosophy’ and ‘M’ for ‘Master of Philosophy’)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture D, M</td>
<td>97</td>
</tr>
<tr>
<td>Arts and Social Sciences D, M</td>
<td>100</td>
</tr>
<tr>
<td>Business D, M</td>
<td>101</td>
</tr>
<tr>
<td>Conservatorium of Music D</td>
<td>113</td>
</tr>
<tr>
<td>Dentistry D, M</td>
<td>109</td>
</tr>
<tr>
<td>Education D, M</td>
<td>103</td>
</tr>
<tr>
<td>Engineering and IT D, M</td>
<td>106</td>
</tr>
<tr>
<td>Health Sciences D</td>
<td>108</td>
</tr>
<tr>
<td>Law D</td>
<td>107</td>
</tr>
<tr>
<td>Medicine D, M</td>
<td>111</td>
</tr>
<tr>
<td>Nursing D, M</td>
<td>112</td>
</tr>
<tr>
<td>Pharmacy D, M</td>
<td>112</td>
</tr>
<tr>
<td>Science D, M</td>
<td>114</td>
</tr>
<tr>
<td>Social Work D, M</td>
<td>103</td>
</tr>
<tr>
<td>Visual Arts D</td>
<td>100</td>
</tr>
</tbody>
</table>

### Other research courses

- Applied Science - Research 108
- Arts 100
- Arts (Research) 100
- Criminology - Research 107
- Education (Research) 103
- Fine Arts 100
- Laws - Research 107
- Musical Arts 113
- Music (Composition) 113
- Music (Music Education) 113
- Music (Musicology) 113
- Music (Performance) 113
- Social Sciences 100
- Social Work 103
- Surgery - Research 111
- Veterinary Clinical Studies 114
POSTGRADUATE COURSES – TABLE NOTES

Below is some important information you need to know about the courses presented in the tables from pages 96 to 117.

The information published in these tables is correct at the time of publication for entry in 2019, and may be subject to change. For the latest course information, including admission criteria, course structure and availability, visit:
- sydney.edu.au/courses

Courses available for full-time study onshore
Courses listed in the postgraduate courses table (pages 96 to 114) are CRICOS registered for international students who intend to study full time in Australia on a student visa. For more information on CRICOS registered degrees, visit the CRICOS register.
- cricos.education.gov.au

Courses not available for full-time study onshore
Courses (or streams) listed in the postgraduate course table (on pages 115 to 117) do not meet the CRICOS requirements for obtaining an Australian student visa to study full time onshore. However, courses offered by online/distance modes are available to international students from their home country. International students in Australia who are not on a student visa, depending on their visa type, may also be eligible to undertake courses/streams that are not offered full time onshore. Some courses also have intensive study periods onshore combined with online study. For the latest information, visit:
- sydney.edu.au/courses

Double degree progression requirements
Double degrees (for a description see the glossary on page 133) have progression requirements that must be satisfied before you can be admitted to your second degree. For important information on progression rules, check your faculty handbook:
- sydney.edu.au/handbooks

Important tuition fee information
Tuition fees listed in this course table are:
- quoted in Australian dollars and correct at the time of publication
- indicative tuition fees for study in Year 1, in the 2019 calendar year only
- based on a full-time student enrolment load of 48 credit points per year, or 1.0 Equivalent Full-Time Student Load (1.0 EFTSL) unless otherwise indicated. If your study load for the year is more or less than 1.0 EFTSL, your tuition fee will differ.

Courses less than 1.0 EFTSL
Please note that for courses that are less than 48 credit points per year (1.0 EFTSL), such as a graduate certificate (for which we list the credit points against the tuition fee), we have indicated the tuition fee based on the credit points required to complete the course.

In those cases, the tuition fee is not based on 1.0 EFTSL as stated in the column heading.

Annual review
Importantly, tuition fees are subject to annual review by the University and will increase each year, effective at the start of each calendar year.

Other costs
There are other costs in addition to tuition fees. For important fee-related information, refer to the costs information on page 128.

Key to the table
English – IELTS Academic
The first score is the overall score required, the second score(s) (in brackets) is the minimum score required in each component (L for Listening, R for Reading, S for Speaking, W for Writing).

For information on other tests and meeting English requirements, refer to the academic and English language requirements section (page 124) or visit:
- sydney.edu.au/study/english-reqs
### POSTGRADUATE COURSES
AVAILABLE FOR FULL-TIME STUDY ONSHORE

<table>
<thead>
<tr>
<th>Course name</th>
<th>Gradate certificate available</th>
<th>Graduate diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>2019 indicative Year 1 tuition fee (A$) /1.0 EFTSL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Architecture, design and planning</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Master of Architecture</strong></td>
<td></td>
<td></td>
<td></td>
<td>Feb/Aug</td>
<td>2</td>
<td>40,000</td>
</tr>
<tr>
<td>This degree provides a dynamic studio-based learning environment that produces graduates who are forward thinking, collaborative and at the forefront of the changing architectural profession. You will be challenged to expand your conceptual and creative skills while being grounded in the requirements essential for professional registration and practice after graduation.</td>
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</tbody>
</table>

| **Master of Architectural Science** | | | | | | |
| In our Architectural Science program, you have the option to specialise in a single stream or a double stream in Audio and Acoustics, High-Performance Buildings, Illumination Design and Sustainable Design. |

| **Master of Architectural Science - Single stream** | | | | Feb/Aug | 1.5 | 33,500 |
| **Master of Architectural Science (Audio and Acoustics)** | | | | | | |
| This stream will give you a solid foundation in the design, measurement and theory of audio and acoustics. You will gain a deep understanding of how sound shapes our experience of communication, entertainment, and spatial awareness, opening up a diversity of career paths including audio production, system design and acoustic consulting. |

| **Master of Architectural Science (High Performance Buildings)** | | | | | | |
| This stream is your pathway to an exciting and rewarding career in the built environment field. On graduation, you will have acquired an evidence-based education on the design, service provision and operation of buildings in a sustainable manner, an area with increasing economic and environmental importance. With extensive experience analysing and controlling the physical phenomena affecting buildings, practitioners of architectural science have a profound impact on the function, aesthetics and efficiency of architectural spaces. |

| **Master of Architectural Science (Illumination Design)** | | | | | | |
| In this stream, you will develop your expertise in lighting for architectural and urban environments. You will also learn how sustainable lighting technologies are changing illumination design practice and contributing to new opportunities for creative applications of contemporary materials, colours and technologies. Our entire visual experience depends on light. It has a profound impact on the function and aesthetics of architectural spaces, and is a vital part of architecture and interior design. |

| **Master of Architectural Science (Sustainable Design)** | | | | | | |
| This stream enables you to develop efficient and environmentally responsive buildings and retrofit existing buildings to meet today's environmental demands. With this knowledge, you will graduate as a sustainability expert and can choose from a range of career pathways include architecture, property development, construction or urban planning. Sustainable designers are critical to ensuring that the plans on paper become a reality during and after construction. Your skills in sustainable design are enhanced through the school's expertise in the built environment. |

| **Master of Architectural Science - Double stream** | | | | Feb/Aug | 2 | 33,500 |
| **Master of Architectural Science (Audio and Acoustics) (High Performance Buildings)** | | | | | | |
| **Master of Architectural Science (Audio and Acoustics) (Illumination Design)** | | | | | | |
| **Master of Architectural Science (Audio and Acoustics) (Sustainable Design)** | | | | | | |
| **Master of Architectural Science (High Performance Buildings) (Audio and Acoustics)** | | | | | | |
| **Master of Architectural Science (High Performance Buildings) (Illumination Design)** | | | | | | |
| **Master of Architectural Science (High Performance Buildings) (Sustainable Design)** | | | | | | |
| **Master of Architectural Science (Illumination Design) (Audio and Acoustics)** | | | | | | |
| **Master of Architectural Science (Illumination Design) (High Performance Buildings)** | | | | | | |
| **Master of Architectural Science (Illumination Design) (Sustainable Design)** | | | | | | |
| **Master of Architectural Science (Sustainable Design) (Audio and Acoustics)** | | | | | | |
| **Master of Architectural Science (Sustainable Design) (High Performance Buildings)** | | | | | | |
| **Master of Architectural Science (Sustainable Design) (Illumination Design)** | | | | | | |
### International Guide 2019 Postgraduate courses

<table>
<thead>
<tr>
<th>Course name</th>
<th>Duration (full time in years)</th>
<th>Commencing semesters</th>
<th>Year 1 tuition fee (A$) /1.0 EFTSL ###</th>
<th>IELTS Academic</th>
<th>Graduate diploma available</th>
<th>Graduate certificate available</th>
<th>2019 indicative Year 1 tuition fee (ASX/10 ETSL)**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Heritage Conservation</td>
<td>1.5</td>
<td>Feb/Aug</td>
<td>33,500</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>7.0 (6.0)</td>
</tr>
<tr>
<td>This degree allows you to develop specific skills in assessment, interpretation, management, formulation of policy, and documentation of culturally significant places, including buildings, sites, and cultural landscapes. You will be introduced to methods and practices of conservation, designing and building new buildings in old settings, and the history, theory, law and policy of this unique area. This exciting field of study is much more than just the simple preservation of existing buildings.</td>
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</tr>
<tr>
<td>Master of Design (Design Innovation and Strategic Design)</td>
<td>7.0</td>
<td>Feb/Aug</td>
<td>37,500</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>7.0 (6.0)</td>
</tr>
<tr>
<td>This degree will develop your leadership and expertise in urban design and urbanism with a strong emphasis on sustainability, quantification and implementation. A key feature of this degree is its multidisciplinary outlook and emphasis on communication and collaboration that emulates real-world practice. The program’s core units will provide you with an appreciation and understanding of the historical and theoretical dimensions of urbanism and design, urban morphology and the relationship between ecological processes and city form.</td>
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</tr>
<tr>
<td>Master of Urban Design</td>
<td>7.0</td>
<td>Feb/Aug</td>
<td>33,500</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>7.0 (6.0)</td>
</tr>
<tr>
<td>This degree is your pathway to the professional world of planning and is accredited by the Planning Institute of Australia. You will be given the tools and methodologies to work in planning-based roles both in Australia and globally, which can experience during your degree through our extensive international exchange network. Planning is a vibrant, challenging and rewarding career, infused with consideration for human welfare and social progress.</td>
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<td></td>
</tr>
<tr>
<td>Master of Urban and Regional Planning</td>
<td>7.0</td>
<td>Feb/Aug</td>
<td>33,500</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>7.0 (6.0)</td>
</tr>
<tr>
<td>This program introduces you to contemporary planning theories and debates while instilling professional expertise in key areas of heritage conservation and policy. As a highly trained graduate, you will be differentiated through your broad knowledge of urbanism and deep specialisation in heritage to offer your expertise across a range of urban conservation issues. The Heritage Conservation stream will allow you to choose core units designed to develop skills in the assessment, interpretation, management, formulation of policy, and documentation of culturally significant places, including buildings, sites and cultural landscapes.</td>
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<td></td>
</tr>
<tr>
<td>Master of Urbanism (Heritage Conservation)</td>
<td>7.0</td>
<td>Feb/Aug</td>
<td>33,500</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>7.0 (6.0)</td>
</tr>
<tr>
<td>The program introduces you to contemporary planning theories and debates while instilling professional expertise in key areas of planning practice. Developed in consultation with industry and the Planning Institute of Australia, the study of urbanism is a pathway to specialisation as a professional urban planner, urban designer, heritage architect or consultant.</td>
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<td></td>
</tr>
<tr>
<td>Master of Urbanism (Urban Design)</td>
<td>7.0</td>
<td>Feb/Aug</td>
<td>33,500</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>7.0 (6.0)</td>
</tr>
<tr>
<td>With a specialisation in Urban and Regional Planning, this degree will differentiate you as a highly qualified graduate who is eligible, subject to professional experience requirements, for corporate membership of the Planning Institute of Australia. The program introduces you to contemporary planning theories and debates while instilling professional expertise in key areas of planning practice. Developed in consultation with industry and the Planning Institute of Australia, the study of urbanism is a pathway to specialisation as a professional urban planner, urban designer, heritage architect or consultant.</td>
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<tr>
<td>Research courses (Architecture, design and planning)</td>
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<tr>
<td>Doctor of Philosophy (Architecture)</td>
<td>7.0</td>
<td>Jan/Mar/Jul/Oct</td>
<td>40,000</td>
<td></td>
<td></td>
<td></td>
<td>7.0 (6.0)</td>
</tr>
<tr>
<td>The degree of Doctor of Philosophy (PhD) may be undertaken across our five active research areas: Architectural Design; Architecture research collaborative; Architectural Science; Design Lab; and Urbanism. This research degree is awarded for a thesis considered to be a substantial, original contribution to knowledge in one of these five groups.</td>
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</table>

** Tuition fees are subject to annual increases each year. For further information, see page 95.

* Fees are listed for the total credit points required for course completion.
Master of Philosophy (Architecture)

The research master's degree allows a candidate to undertake research and advanced specialisation in any of the five research groups of Architectural Design; Architecture research collaborative; Architectural Science; Design Lab; and Urbanism. Admission criteria include a bachelor’s degree with first or second class honours in a relevant discipline. The final thesis for the conventional Master of Philosophy (Architectural), including those completing a thesis with publications, is expected to be in the range of 30,000 to 60,000 words. The final thesis for a Master of Philosophy by creative works is expected to be no more than 15,000 words, including a substantial creative body of work.

### Tuition fees are subject to annual increases each year. For further information, see page 95.

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## Arts and social sciences

### Executive Master of Arts and Social Sciences

An innovative, cutting-edge degree designed for those who aspire to professional leadership roles, display executive potential and who would like to combine their professional aspirations with an interest in the arts and social sciences. This course has a strong emphasis on public policy analysis, cultural awareness and sensitivity, ethical reasoning and critical analysis which, together with a focus on problem solving, leadership, legal strategy and communication, equips you with a highly transferable and flexible skillset.

### Master of Art Curating

Our Art Curating degree will provide you with a rich combination of core academic skills, historical knowledge, critical insight and community-engaged experience, creating pathways to careers and professional development in art institutions of all types. You will explore and analyse traditional institutions such as museums and galleries, as well as the expanding field of contemporary curating and its wide range of non-traditional exhibition spaces, including artist-run and community art spaces, public art projects, festivals and commercial spaces.

### Master of Cultural Studies

The only Master of Cultural Studies on offer in Australia, this degree covers diverse topics of popular culture, media, gender, sexuality, globalisation, cultural policy, the politics of health, embodiment and consumer culture. Using real-world examples, you will learn to analyse cultural forms and debate their significance in context. You will also engage critically with culture in its manifest expressions and gain insight into identity, self-expression and embodiment.

### Master of Development Studies

This degree sheds light on the challenges in achieving sustainable economic development on a local, national and global scale. Bringing together critical theories from across the social sciences, this expansive cross-disciplinary program allows you to specialise in topics such as international relations, political economy, human rights, peace and conflict studies, anthropology, linguistics, public health, human geography, economics and sociology. The degree offers exciting opportunities to put your development knowledge into practice, including chances to participate in a research project on a community-based organisation in Sydney or take internship electives at local or international organisations.

### Master of Economic Analysis

This degree is designed for students who already have a strong background in economics. Built around a core of advanced training in economic theory and econometrics, with access to electives across a wide range of applications of economics, the Master of Economic Analysis is focused on the skills required to be a professional economist or economic analyst in the public and private sector. It is also suitable if you are seeking a path to a PhD in economics.

### Master of Economics

This degree provides you with the training and knowledge for a wide range of careers and focuses on advanced coursework in economics and data analysis – critical skills in today’s workforce. Designed to be relevant to new graduates as well as professionals seeking further training in economics for career progression or a career change, the Master of Economics encourages you to apply your training in practical ways to address major challenges in business and policy.

### Master of English Studies

This degree is designed for research students from Australia and overseas, secondary school teachers and those interested in studying English literature at an advanced level. Through your studies, you will bring together contemporary critical theory with literary narratives and investigate how and why literature still enjoys particular resonance in the 21st century.
This degree will provide you with the core media skills to become an effective communicator across health and medicine, public affairs, public relations, community relations and journalism. Designed for aspiring and experienced communicators, health advocates, public relations specialists, media experts, and healthcare professionals, this course encourages development of skills in clear communication of public health campaigns and policy topics; creation of public education programs that nurture a more healthcare-literate population; the ability to raise awareness of, and advocate for, specific healthcare matters; and management of communication technology, including social media, to ensure information accuracy and uphold ethical standards.

Master of Health Security
This degree aims to train a new generation of professionals, policymakers, government officials and security sector personnel to manage complex health events and their wider social and economic consequences. In this intellectually rigorous and flexible multidisciplinary program of study and research, you can draw on diverse areas of study, including agriculture, health sciences, medicine, nursing, public health, political science, law and business.

Master of Human Rights
This degree provides you with an understanding of how human rights apply in various political, social, economic and environmental contexts. You will develop critical skills in the effective use of human rights tools and language to achieve specific changes in the world while gaining skills to apply to real situations and create workable solutions. Obtain vital knowledge of international and regional human rights systems and investigate areas including sociology and social policy, political science and political economy, philosophy, history and human geography.

Master of International Relations
Learn how to better understand and address the world’s most pressing challenges: war and peace; social and economic justice; poverty; development; and environmental sustainability. You will study relations among states and between states and non-state actors, including the history, nature, and evolution of the international system. We unite political, economic, social, security and cultural dimensions to study international affairs.

Master of International Security
Through this degree, you will develop an understanding of both traditional and emerging security challenges and apply theories to real-world situations and current policy debates. Engage with a wide range of complex and interconnected issues, including the causes and consequences of war between states; ethnic, religious and ideological conflicts; and threats to security and the stability of states from environmental degradation, infectious diseases, climate change, nuclear proliferation, and the activities of non-state actors.

Master of International Studies
This degree will provide you with skills and knowledge in the study of globalisation, development, democracies, processes of state formation, international organisations, theories of international relations, international political economy and security, global environmental politics, and Asia-Pacific and Northeast Asian politics. Gain broad-based, flexible, tailor-made training with a focus on regional studies and comparative politics that may lead to further research or employment within government, diplomacy, development, defence, intelligence, business, risk management, journalism, humanitarian and non-government organisations.

Master of Media Practice
This degree focuses on media content production in a global context. You will enhance and strengthen your written and verbal communication skills, and develop production skills in print, broadcast and online media. This course will provide you with a sophisticated understanding of the media, audiences and global media environments to keep you relevant in an ever-changing and dynamic industry.

Master of Moving Image
This degree offers a hands-on education in contemporary moving image production by teaching you how to develop a film project from concept to screen. It is ideal for professionals pursuing a career in the film and digital media sector, and for anyone wishing to engage with contemporary filmmaking and interactive media. You will have the flexibility to tailor the degree to your preferred pathway, be it research or professional practice, including the option of undertaking a placement that interfaces directly with the moving image industry.

Master of Museum and Heritage Studies
This degree will equip you with a contextual understanding of core historical and theoretical developments in museum and heritage studies. You will learn the frameworks for managing collections and sites and develop a practical understanding of the modes of interpretation used in the museum and heritage sector. You will undertake object and site research, significance assessment, archival research and exhibition development and contribute to heritage studies and conservation management plans.

Master of Peace and Conflict Studies
One of only a handful of degrees of its kind in the world, the Master of Peace and Conflict Studies provides a distinctive qualification in a growing field and can be tailored to your interests. In addition to a core program of peace and conflict studies units, you can pursue electives from a range of disciplines, including development studies, human rights, political economy, international relations and security studies. From justice and reconciliation after mass violence to the role of religion in war and peace, a broad range of subjects is on offer.

Master of Political Economy
Learn to view economic questions in their social and political context, and from different perspectives. You will gain a deep understanding of issues such as power and inequality, globalisation and its impact on national economic policy settings, and the trade-offs between the free market and broader social concerns. This degree provides extensive knowledge of key trends underlying the global economy and its transformation.

Master of Publishing
This degree will equip you with the latest skills required for the dynamic world of book, magazine, digital and online publishing. You will receive both professional training with direct vocational applications, as well as a scholarly approach to the history of publishing, its cultural significance and changing directions. You will study book, magazine and online editing, manuscript preparation, making magazines, print and website production, publication design, the book production and publishing business and marketing.
supervisor will provide personalised and dedicated attention to the development of your research outcomes. Your practice by investigating a proposed area of research, and will be encouraged to produce work of an original and speculative nature. Your research will build on technologies; the relationship between contemporary art and society; or the relationship between contemporary art and other disciplines.

The Doctor of Philosophy (PhD) provides you with a critical and intellectual focus to explore a single proposed research topic full time over three to four years. Your research may reflect a critical exploration of the history, theory and practice of contemporary art; the development of new materials or technologies; the relationship between contemporary art and society; or the relationship between contemporary art and other disciplines.

The Doctor of Social Sciences allows you to pursue a higher degree of rigorous scholarship while advancing your professional practice. The professional doctorate is designed to respond to the rapid changes taking place in the professional workplace which create demands on professionals such as journalists, creative writers, anthropologists, linguists, policy advisers, managers, and others to upgrade their qualifications. Further training at the upper levels of the discipline such as that offered to professional doctorate candidates can develop the applied knowledge and skills that are increasingly in high demand.

Research courses (Arts and social sciences)

<table>
<thead>
<tr>
<th>Course name</th>
<th>Grad certificate available</th>
<th>Grad diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>2019 indicative Year 1 tuition fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Public Policy</td>
<td>✓</td>
<td>✓</td>
<td>7.0 (6.0)</td>
<td>Feb/Aug</td>
<td>2</td>
<td>40,000</td>
</tr>
<tr>
<td>Master of Strategic Public Relations</td>
<td>✓</td>
<td>✓</td>
<td>7.0 (6.0)</td>
<td>Feb/Aug</td>
<td>1.5</td>
<td>37,500</td>
</tr>
<tr>
<td>Doctor of Arts</td>
<td></td>
<td></td>
<td>6.5 (6.0)</td>
<td>Jan/Mar/Jul/Oct</td>
<td>3–4</td>
<td>37,500</td>
</tr>
<tr>
<td>Doctor of Philosophy (Arts and Social Sciences)</td>
<td></td>
<td></td>
<td>6.5 (6.0)</td>
<td>Jan/Mar/Jul/Oct</td>
<td>3–4</td>
<td>37,500</td>
</tr>
<tr>
<td>Doctor of Philosophy (Visual Arts)</td>
<td></td>
<td></td>
<td>6.5 (6.0)</td>
<td>Mar/Jul</td>
<td>3–4</td>
<td>36,000</td>
</tr>
<tr>
<td>Doctor of Social Sciences</td>
<td></td>
<td></td>
<td>6.5 (6.0)</td>
<td>Jan/Mar/Jul/Oct</td>
<td>3–4</td>
<td>37,500</td>
</tr>
<tr>
<td>Master of Arts (Research)</td>
<td></td>
<td></td>
<td>6.5 (6.0)</td>
<td>Jan/Mar/Jul/Oct</td>
<td>1–2</td>
<td>37,500</td>
</tr>
<tr>
<td>Master of Fine Arts</td>
<td></td>
<td></td>
<td>6.5 (6.0)</td>
<td>Mar/Jul</td>
<td>2</td>
<td>36,000</td>
</tr>
<tr>
<td>Master of Philosophy (Arts and Social Sciences)</td>
<td></td>
<td></td>
<td>6.5 (6.0)</td>
<td>Jan/Mar/Jul/Oct</td>
<td>1–2</td>
<td>37,500</td>
</tr>
</tbody>
</table>

Business

Master of Business Administration (Leadership and Enterprise)

Our full-time MBA (Leadership and Enterprise) is taught over 18 months at our Sydney CBD campus and has a precise limit on class size. The program is delivered in an intensive format, where students complete two units of study at a time over a seven to eight week period. You will ‘learn by doing’ through workshops with industry leaders; intensive group work; and tackling real world issues with a diverse cohort. You will graduate with the skills and knowledge to build and lead future enterprises in a digital, hyper-connected world from tech start-ups to major corporations.
<table>
<thead>
<tr>
<th>Course name</th>
<th>Commencing semester</th>
<th>Duration (full time in years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Commerce</td>
<td>Feb/Aug</td>
<td>2</td>
<td>46,500</td>
<td>✓</td>
</tr>
<tr>
<td>Master of Human Resource Management and Industrial Relations</td>
<td>Feb/Aug</td>
<td>1.5</td>
<td>46,500</td>
<td>✓</td>
</tr>
<tr>
<td>Master of International Business</td>
<td>Feb/Aug</td>
<td>1.15</td>
<td>46,500</td>
<td>7.0 (6.0)</td>
</tr>
<tr>
<td>Master of Logistics and Supply Chain Management</td>
<td>Feb/Aug</td>
<td>1.5</td>
<td>46,500</td>
<td>✓</td>
</tr>
<tr>
<td>Master of Management (CEMS)</td>
<td>Feb/Aug</td>
<td>1.5</td>
<td>46,500</td>
<td>7.0 (6.0)</td>
</tr>
<tr>
<td>Master of Management</td>
<td>Feb/Aug</td>
<td>1.15</td>
<td>46,500</td>
<td>7.0 (6.0)</td>
</tr>
<tr>
<td>Master of Professional Accounting</td>
<td>Feb/Aug</td>
<td>2</td>
<td>46,500</td>
<td>✓</td>
</tr>
<tr>
<td>Doctor of Philosophy (Business)</td>
<td>Mar/Jul</td>
<td>3–4</td>
<td>46,500</td>
<td>7.0 (6.5)</td>
</tr>
<tr>
<td>Master of Philosophy (Business)</td>
<td>Mar/Jul</td>
<td>1–2</td>
<td>46,500</td>
<td>7.0 (6.5)</td>
</tr>
</tbody>
</table>

This degree offers great choice and flexibility, allowing you to develop the knowledge and skills to advance your career in a wide range of specialisations including Accounting; Banking; Big Data in Business; Business Information Systems; Finance; International Business; Logistics and Supply Chain Management; Marketing; People; Management and Organisations; Strategy, Innovation and Entrepreneurship; and more. Our program will give you an applied understanding of core business concepts and practices. High achieving students have the option to take a work placement in Australia or overseas.

This program will give you an understanding of key employment issues and the skills to respond to the rapid changes reshaping local and international work practices and policies. You will graduate as an ethically aware, highly skilled practitioner in the field of human resources and employee relations.

This will give you the skills to devise and implement strategic decisions that facilitate sustainable, global corporate growth. You will have the opportunity to engage in a real-life, mini-consulting project for a company’s current or prospective international operations either in Australia or overseas.

This degree will give you the applied understanding of core business concepts and practices. High achieving students have the option to take a work placement in Australia or overseas.

The Master of Management (CEMS) will open doors for you internationally. We are the only university in Australia to offer this prestigious program, which enables you to complete the CEMS Master’s in International Management program as part of your degree. You will spend at least one semester overseas at a top university belonging to the exclusive CEMS network.

 Ranked Number 1 in Australia by the Financial Times, The Economist and QS, the Master of Management will dramatically increase your employment prospects. In just one year, recent graduates or early career changers will develop the skills that businesses demand, regardless of your previous experience or undergraduate area of study.

The Master of Professional Accounting offers you the opportunity to develop the knowledge and expertise you need for a rewarding career in accounting, starting with associate membership of professional accountancy bodies. You will undertake advanced learning in both theory and professional practice and learn to solve accounting and business problems in innovative ways.

The degree of Doctor of Philosophy (PhD) at the University of Sydney Business School may be undertaken within all disciplines, or in a research centre, and in association with one of our dynamic research groups. The degree requires the satisfactory completion of six coursework units of study and a research thesis of 80,000 words on an approved topic, under the supervision of an academic panel.

The University of Sydney Business School has an outstanding reputation for the quality of its research across a wide range of academic disciplines. The Master of Philosophy takes at least one year of full-time study to complete, during which candidates undertake approved research and write a thesis of up to 50,000 words.

Understand and appreciate the latest developments in policy and its application, practice and research in this vital and growing sector. Strengthen your professional knowledge and specialise in your preferred sector, including community work policy and practice, mental health practice standards, and policy responses to domestic violence in Australia.

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**Tuition fees are subject to annual increases each year. For further information, see page 95.**

** Fees are listed for the total credit points required for course completion.**
If you are a trained teacher, the Master of Education offers advanced learning in a dynamic climate of change and innovation. Designed for leaders and future leaders of education, it enhances your knowledge and practical skills and deepens your understanding of educational theory and research. This degree is designed to develop and support the careers of trained teachers who are teaching professionals, educational administrators, researchers and policymakers. You can complete the degree with units of study that suit your interests, including educational management and leadership, educational psychology, international education, special and inclusive education, sports coaching, and teaching English to speakers of other languages (TESOL).

Master of Education (Educational Management and Leadership)
The Master of Education (Educational Management and Leadership) examines concepts in educational administration and management, from theories and models of organisational behaviour to understanding change processes and their effects on organisations. You’ll research a range of human resources development and management issues and their relationship to other developments in education, the economy and society.

Master of Education (Educational Psychology)
If you aspire to develop a deep understanding of learning, motivation, human development, thinking skills and individual differences, to apply to your career in education or human resource management, the Master of Education (Educational Psychology) is the degree for you.

Master of Education (Special and Inclusive Education)
Develop the specialised skills and knowledge to teach children with special education needs, and for leadership, consultancy and resources roles in special and inclusive education. This degree will equip you to tackle the real-world challenges that teachers face in the classroom every day. You will explore how to work with students who have special education needs, how to prevent disruptive behaviour and teach students with learning difficulties. You’ll gain a broad perspective on the issues, practices and philosophies in special and inclusive education.

Master of Education (Sports Coaching)
This degree will equip you to apply a significant range of coaching principles and complex techniques across a wide variety of coaching situations. You’ll acquire the capacity to apply professional and academic knowledge in developing and implementing effective learning experiences in the field of sports coaching, examine the technological resources available to support the implementation of specific strategies in coaching athletes and teams, and develop an integrated model with the right mix of training activities, coaching pedagogy and sports science to optimise athletic performance.

Master of Education (TESOL)
Develop the skills and knowledge to successfully face the practical challenges of English language teaching in a second language context. Using the latest research, this degree investigates the theoretical basis of issues relating to applied linguistics and sociocultural contexts of education. This degree will develop your professional expertise and knowledge in the areas of applied linguistics and English language education whether you are, or are aspiring to become, an English language teacher of children, adolescents or adults. (Note: this degree does not in itself lead to a professional teaching qualification.)

Master of Learning Sciences and Technology (Professional)
This degree gives you unparalleled insight into the design, management and research of technology-supported learning. The professional pathway will appeal if you’re looking to work as a learning and development manager, an instructional designer, a multimedia learning designer or a learning strategist. The faculty’s Centre for Research on Computer-Supported Learning and Cognition (the CoCo Research Centre) offers specialised technologies and facilities, including a combination of virtual and physical spaces equipped with the latest learning technology.

Master of Learning Sciences and Technology (Research)
The design and management of e-learning systems is a complex task that requires specialist skills and an understanding of how people and organisations learn. This research pathway will suit you if you want to conduct research in ICT-supported learning or if you’re planning to progress to a higher research degree. If you pursue the research pathway, you’ll complete a dissertation (12 credit points) on a topic chosen in consultation with your supervisor along with core units of study in psychology and the design of technology-supported learning, emerging educational technologies and research frontiers.

Master of Social Work
This degree invites you to reflect on your practice, appraise alternative practices and theories, and assess your clients’ needs in new ways. You’ll have the opportunity to critically evaluate your existing practice and provision, and gain skills to promote change, improve services and affect outcomes in the lives and situations of your clients.

Master of Social Work (Qualifying)
Become an accredited social worker by completing the Master of Social Work (Qualifying). You’ll advance your career and be ready for social work roles in health and community services. This degree equips you to take on leadership roles in social work, the health and community services sector and related fields of practice. If your ambition is to make a positive difference in mental health, women’s services, corrections, disability support, child and family services, migrant and refugee services or international development, this is the program for you.

Master of Teaching (Early Childhood)
The Master of Teaching (Early Childhood) enables you to qualify to teach children from birth to five years. You will develop the knowledge and skills to become an outstanding early childhood teacher, professional decision maker, ethical leader, and theoretical and practical thinker.

Master of Teaching (Health and Physical Education)
This degree will give you the knowledge, skills and practical experience to teach personal development, health and physical education (PDHPE) in secondary schools. With a strong focus on practical workplace training, your coursework is enhanced by more than four months of practical experience. You’ll learn first hand how to tackle everyday teaching challenges as well as school visits and a nine week internship in a high school. As part of the final internship, you will also complete a professional research project.
This degree prepares you to teach all primary school subjects from kindergarten to Year 6 (K–6). As well as learning about the policy frameworks that shape teaching in NSW, Australia and internationally, you will attend lectures and complete assignments about issues in teaching, learning and curriculum in all school years, from Kindergarten to the Higher School Certificate.

Master of Teaching (School Counselling)

Make a positive difference to the lives of children and adolescents through the Master of Teaching (School Counselling). This degree will give you the expertise to design and manage such systems. You’ll learn to model, analyse and design resilient technological, socioeconomic and socio-ecological systems, and develop strategies for crisis forecasting and management.

Complex systems such as smart cities, mega-projects, power and data grids, ecosystems, and communication and transport networks, are composed of numerous diverse interacting and interdependent parts. This degree will give you the expertise to design and manage such systems. You’ll learn to model, analyse and design resilient technological, socioeconomic and socio-ecological systems, and develop strategies for crisis forecasting and management.

Doctor of Philosophy (Education)

Lead educational transformation and change. In the Doctor of Philosophy (Education), you will design and undertake an independent research project under the guidance of a senior academic and an associate supervisor, culminating in a 30,000-word thesis. Cultivate research expertise and specialist knowledge as you enhance your professional and academic opportunities.

Doctor of Philosophy (Social Work)

Lead transformational and life-changing research. In this degree, you will design and undertake an independent research project under the guidance of a supervisor and an associate supervisor, culminating in an 80,000-word thesis. Cultivate research expertise and specialist knowledge as you enhance your professional and academic opportunities.

Doctor of Social Work

The Doctor of Social Work (DSW) is a professional higher degree that involves directly relevant coursework, practice-development research at a high standard, and a research thesis of 50,000 words that links the other two components. The DSW allows you to review and develop theoretical approaches to the changing context of welfare. It also enables experienced practitioners in social work to develop excellence in field-based research and practice. Graduates are equipped to lead in social work research as well as in instructing and mentoring social workers.

Master of Education (Research)

This degree offers advanced training in education research and provides a research path to doctoral study in education. It is designed for people who wish to undertake a research degree, but not one of the length and scale of a Doctor of Philosophy (PhD) or Master of Philosophy. It is also applicable for those who in the future, wish to enrol in a PhD or Doctor of Education degree, but lack either an honours year or a degree that would permit them direct admission. It is also an opportunity to enrol in a higher degree that contains some coursework, but not the amount required by the current Master of Education (coursework) program.

Master of Philosophy in Education

Become a leader in research and education. In this degree, you will design and undertake a supervised research project, culminating in a 30,000-word thesis, while developing invaluable research skills as you enhance your career and open pathways to further research.

Master of Philosophy in Social Work

Transform social work through innovative research. In this degree, you will design and undertake a supervised research project, culminating in a 30,000-word thesis. Cultivate invaluable research skills as you enhance your career and open pathways to further research.

Engineering and information technologies

Graduate Diploma in Computing

Our Graduate Diploma in Computing provides the ideal pathway to master’s level study for those without a background in IT. Non-IT graduates wishing to upskill or enhance their existing career with technology-based qualifications will gain a strong foundation in information technologies. They will also learn to design specialist systems, and develop skills integral to a wide range of disciplines such as business, health, engineering and science.

Master of Complex Systems

Complex systems such as smart cities, mega-projects, power and data grids, ecosystems, and communication and transport networks, are composed of numerous diverse interacting and interdependent parts. This degree will give you the expertise to design and manage such systems. You’ll learn to model, analyse and design resilient technological, socioeconomic and socio-ecological systems, and develop strategies for crisis forecasting and management.

Master of Data Science

The Master of Data Science is a professional degree for people who are passionate about drawing meaningful knowledge from data to drive business decisions—making or research output. It will develop your analytical and technical skills to use data science to guide strategic decisions in your area of expertise. It also offers the flexibility to tailor learning to your professional and personal interests. Data is a vital asset to any organisation. It holds valuable insights into areas such as customer behaviour, market intelligence and operational performance. Data scientists build intelligent systems to manage, interpret, understand and derive key knowledge from big data sets.

### Tuition fees are subject to annual increases each year. For further information, see page 95.

** Fees are listed for the total credit points required for course completion.
### Master of Engineering

<table>
<thead>
<tr>
<th>Specialisation</th>
<th>Duration (full time in years)</th>
<th>2019 indicative Year 1 tuition fee (A$) / EFTSL</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Automation and Manufacturing Systems</td>
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<td>44,500</td>
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<tr>
<td>Biomedical Engineering</td>
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<tr>
<td>Chemical and Biomolecular Engineering</td>
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<tr>
<td>Civil Engineering</td>
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<tr>
<td>Electrical Engineering</td>
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<td>Fluids Engineering</td>
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<tr>
<td>Geomechanical Engineering</td>
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<tr>
<td>Mechanical Engineering</td>
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<tr>
<td>Power Engineering</td>
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<tr>
<td>Risk Management</td>
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<tr>
<td>Software Engineering</td>
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<tr>
<td>Structural Engineering</td>
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<td></td>
<td></td>
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<tr>
<td>Sustainability and Environmental Engineering</td>
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<tr>
<td>Telecommunications Engineering</td>
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</tbody>
</table>

If you are a qualified engineer seeking to move into a management role or to specialise or update your skills, this degree will build on your engineering undergraduate degree by developing specialised technical knowledge in your chosen area. See the Master of Engineering specialisations below for more information.

#### Master of Engineering (Automation and Manufacturing Systems)
By learning about automation and manufacturing systems, you'll be able to apply engineering principles to understand, modify or control the manufacture, delivery and maintenance of technology components.

#### Master of Engineering (Biomedical Engineering)
Biomedical engineering develops technology to monitor physiological functions and assist in the diagnosis and treatment of patients.

#### Master of Engineering (Chemical and Biomolecular Engineering)
You'll develop specialised technical knowledge in chemical and biomolecular engineering, focusing on the design and management of industrial processes guided by economic, environmental and societal considerations.

#### Master of Engineering (Civil Engineering)
Develop specialised skills for planning, designing and testing structures within the built environment including dams, bridges, pipelines, roads, towers and buildings.

#### Master of Engineering (Electrical Engineering)
Receive technical knowledge in electrical engineering, and learn about designing and building systems that generate, transmit, measure, control and use electrical energy.

#### Master of Engineering (Fluids Engineering)
Develop specialised technical knowledge in fluids engineering, learning about fluid mechanics and engineering systems associated with the fluid environment.

#### Master of Engineering (Geomechanical Engineering)
Geomechanical engineering involves learning how to examine soil and rock layers and determine their physical and chemical properties to design foundations and earthworks structures.

#### Master of Engineering (Mechanical Engineering)
Mechanical engineering provides an advanced understanding of the design of mechanical components, whole machines, mechanical systems and mechanical processes.

#### Master of Engineering (Power Engineering)
Power engineering develops advanced skills to plan, design, construct, operate and maintain power systems and equipment.

#### Master of Engineering (Risk Management)
Risk management provides an understanding of the standards applied to manufacturing and processing industries through project management, industrial processing and risk management operations in an engineering context.

#### Master of Engineering (Software)
Software engineering develops specialised technical knowledge covering all aspects of software production from strategy and design to coding, quality and management.

#### Master of Engineering (Structural Engineering)
Structural engineering gives an understanding of how structures and buildings resist and transfer natural and other forces to the ground.

#### Master of Engineering (Sustainability and Environmental Engineering)
Sustainability and environmental engineering explores the development of sustainable products and processes that maximise efficiency and minimise environmental impact.

#### Master of Engineering (Telecommunications Engineering)
Telecommunications engineering covers the design, construction and management of systems that carry out wireless transmission and broadcasting of information.

### Master of Health Technology Innovation

<table>
<thead>
<tr>
<th>Details</th>
<th>Duration (full time in years)</th>
<th>2019 indicative Year 1 tuition fee (A$) / EFTSL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>43,500</td>
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</table>

If you are a health practitioner, engineer, IT professional or scientist, this unique program will equip you with the skills to deliver improved health outcomes for patients through the innovative use of health technologies. Recognising the changing healthcare landscape, this degree will help you bridge the gap between the technical and clinical arenas. Healthcare solutions are increasingly dependent on the innovative use of modern technologies. If you are seeking to broaden your career options and take advantage of exciting opportunities in this emerging field, this professional degree is for you.

### Master of Information Technology

<table>
<thead>
<tr>
<th>Details</th>
<th>Duration (full time in years)</th>
<th>2019 indicative Year 1 tuition fee (A$) / EFTSL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.5</td>
<td>43,500</td>
<td></td>
</tr>
</tbody>
</table>

This degree is designed for IT professionals looking to update and extend their technical knowledge of advanced computing subjects, or move into a new IT specialisation. Internationally recognised, it can help advance your career in diverse fields such as software engineering, health, telecommunications and more. The program is also an excellent retraining opportunity for professionals who want to specialise in a different area of IT.
### Master of Information Technology Management

If you are an IT professional or technically skilled graduate aiming to make the transition into management, this degree will help you develop the skills to manage the design, delivery and operation of business technologies effectively. It will equip you with an in-depth understanding of key areas such as data analytics, business intelligence, IT strategy and IT project management, to prepare you to succeed in managing areas that use technology to expand business endeavours.

<table>
<thead>
<tr>
<th>Course name</th>
<th>Graduate diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semester</th>
<th>Duration (full time in years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
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<tbody>
<tr>
<td>Master of Information Technology Management</td>
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<td>6.5 (6.0)</td>
<td>Feb/Aug</td>
<td>1.5</td>
<td>43,500</td>
</tr>
</tbody>
</table>

### Master of Information Technology and Master of Information Technology Management

If you are an IT professional or graduates wanting to develop both technical and management skills specifically related to technology, this combined accelerated two-year structure gives you the opportunity to undertake specialist study in a range of IT-related disciplines along with a program in IT management. It will deepen your technical knowledge of complex IT environments while developing your ability to manage the design, delivery and operation of business technologies. The combined degree is accredited by the Australian Computer Society as a professional-level course.

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semester</th>
<th>Duration (full time in years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Professional Engineering</td>
<td>6.5 (6.0)</td>
<td>Feb/Aug</td>
<td>2</td>
<td>43,500</td>
</tr>
<tr>
<td>Master of Professional Engineering (Accelerated)</td>
<td>6.5 (6.0)</td>
<td>Feb/Aug</td>
<td>2</td>
<td>44,500</td>
</tr>
</tbody>
</table>

### Course Specialisations

- **Master of Professional Engineering (Accelerated)**
- **Master of Professional Engineering (Aerospace) or Master of Professional Engineering (Accelerated) (Aerospace)**
  - The aerospace specialisation covers spacecraft and satellite design, aerodynamics, aircraft design analysis, and smart materials.
- **Master of Professional Engineering (Biomedical) or Master of Professional Engineering (Accelerated) (Biomedical)**
  - The biomedical specialisation covers biomaterials engineering, applied tissue engineering, advanced engineering materials and computational fluid dynamics.
- **Master of Professional Engineering (Chemical and Biomolecular) or Master of Professional Engineering (Accelerated) (Chemical and Biomolecular)**
  - The chemical and biomolecular specialisation explores industrial processes in which material in bulk undergoes physical or chemical changes.
- **Master of Professional Engineering (Civil) or Master of Professional Engineering (Accelerated) (Civil)**
  - The civil specialisation will teach you about planning, designing and testing structures within the built environment, including dams, bridges, pipelines, roads, towers and buildings.
- **Master of Professional Engineering (Electrical) or Master of Professional Engineering (Accelerated) (Electrical)**
  - The electrical specialisation covers designing and building systems that generate, transmit, measure, control and use electrical energy.
- **Master of Professional Engineering (Fluids) or Master of Professional Engineering (Accelerated) (Fluids)**
  - The fluids specialisation will teach you about fluid mechanics and engineering systems associated with the fluid environment.
- **Master of Professional Engineering (Geomechanical) or Master of Professional Engineering (Accelerated) (Geomechanical)**
  - In the geomechanical specialisation, you’ll learn to examine soil and rock layers and determine their physical and chemical properties to design foundations and earthworks structures.
- **Master of Professional Engineering (Mechanical) or Master of Professional Engineering (Accelerated) (Mechanical)**
  - The mechanical specialisation will provide you with an advanced understanding of the design of mechanical components, whole machines, mechanical systems and mechanical processes.
- **Master of Professional Engineering (Power) or Master of Professional Engineering (Accelerated) (Power)**
  - The power specialisation will provide you with advanced skills to plan, design, construct, operate and maintain power systems and equipment.
- **Master of Professional Engineering (Software) or Master of Professional Engineering (Accelerated) (Software)**
  - The software specialisation addresses all aspects of software production from strategy and design to coding, quality and management.
- **Master of Professional Engineering (Structural) or Master of Professional Engineering (Accelerated) (Structural)**
  - The structural specialisation is concerned with the design of high-rise buildings, industrial complexes, bridges, stadiums, and sporting and exhibition centres.
- **Master of Professional Engineering (Telecommunications) or Master of Professional Engineering (Accelerated) (Telecommunications)**
  - The telecommunications specialisation covers the design, build and management of systems that carry out the transmission and broadcasting of information using wireless signals.

Tuition fees are subject to annual increases each year. For further information, see page 95. **Fees are listed for the total credit points required for course completion.**
### Master of Project Leadership

Acquire the skills to establish and tailor sophisticated interdependent project frameworks, and develop an understanding of high-level concepts of open-systems innovation, dynamic social networks and design thinking. This program is designed for experienced project managers and senior managers seeking to develop the critical complex thinking and communication skills required for successful project leadership. An innovative and challenging program, it will develop your strategic thinking capability and broaden conventional concepts of leadership, management, governance, risk, resilience and sustainability.

### Master of Project Management

This degree will provide you with the advanced project management skills you will need for hands-on project management. This course is an ideal complement to your on-the-job experience and will equip you with the fundamental methodologies, modelling and analytical techniques for the design and implementation of projects across a wide range of industries. You will have the opportunity to work in small groups, sharing your industry knowledge and expertise with fellow professionals.

### Master of Project and Program Management

Designed for project managers with a minimum of two years’ work experience, this professional degree will help you to develop your strategic thinking capability and gain the organisation skills to manage larger projects and program portfolios.

### Research courses (Engineering and information technologies)

**Doctor of Philosophy (Engineering and IT)**

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>Year 1 tuition fee (A$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Philosophy (Engineering and IT)</td>
<td>6.5 (6.0)</td>
<td>Mar/Jul/Oct</td>
<td>3–4</td>
<td>46,500</td>
</tr>
</tbody>
</table>

The Doctor of Philosophy (PhD) program involves preparing a thesis that will make a substantial and original contribution to the specific subject area. The Faculty of Engineering and Information Technologies focuses on multidisciplinary research centred on various key themes: field robotics; agricultural engineering; biomedical engineering and technologies; human-centred technology; complex systems; materials and structures; food processing; clean, intelligent energy networks; and water and the environment. This degree is awarded if your thesis is considered to be a substantial and original contribution to the subject concerned.

**Master of Philosophy (Engineering and IT)**

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Master of Philosophy (Engineering and IT)</td>
<td>6.5 (6.0)</td>
<td>Mar/Jul/Oct</td>
<td>1–2</td>
<td>46,500</td>
</tr>
</tbody>
</table>

The Master of Philosophy (MPhil) program involves preparing a thesis that will make an original contribution to the specific subject area. The Faculty of Engineering and Information Technologies focuses on multidisciplinary research centred on various key themes: field robotics; agricultural engineering; biomedical engineering and technologies; human-centred technology; complex systems; materials and structures; food processing; clean, intelligent energy networks; and water and the environment.

### Law

**Juris Doctor**

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>Year 1 tuition fee (A$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Juris Doctor</td>
<td>7.5 (7.0)</td>
<td>Feb</td>
<td>3</td>
<td>46,500</td>
</tr>
</tbody>
</table>

Embark on your next journey and learn from some world-renowned experts in law. One of Australia’s most reputable graduate entry degrees, the Juris Doctor develops your skills of analysis, research, writing and advocacy. Join us to prepare for legal practice in the modern global age. The JD program includes study of all the required areas of knowledge for admission to practise in Australia. The curriculum focuses on international, comparative and transnational aspects of law. Whether you are planning to undertake further postgraduate study or research, or pursue a career as a solicitor, at the bar or in government service, industry or the not-for-profit sector, your JD will equip you with the analytical, ethical and problem-solving skills you will need to excel.

**Master of Administrative Law and Policy**

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>Year 1 tuition fee (A$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Administrative Law and Policy</td>
<td>7.0 (6.0)</td>
<td>Feb/Aug</td>
<td>1</td>
<td>46,500</td>
</tr>
</tbody>
</table>

The Master of Administrative Law and Policy is designed to develop your understanding of the relationship between law and the analysis and implementation of public policy. It examines the values inherent in administrative law and those of public administration, together with the practical aspects of the application of the law.

**Master of Business Law**

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>Year 1 tuition fee (A$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Business Law</td>
<td>7.0 (6.0)</td>
<td>Feb/Aug</td>
<td>1</td>
<td>46,500</td>
</tr>
</tbody>
</table>

This specialist qualification in business law and regulation offers you an opportunity to choose from the entire range of units of study offered through Sydney Law School's commercial law, corporate, securities and finance law, international business law, international taxation and taxation programs. This degree reflects the growing importance of legal literacy and business law expertise among non-lawyers working in business, finance, commercial and corporate environments. It also provides a master’s-level qualification that builds on the completion of professional accountancy qualifications.

**Master of Criminology**

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>Year 1 tuition fee (A$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Criminology</td>
<td>7.0 (6.0)</td>
<td>Feb/Aug</td>
<td>1</td>
<td>40,000</td>
</tr>
</tbody>
</table>

Gain a critical understanding of criminology through a broad selection of interdisciplinary units delivered by some of Australia’s leading criminologists. Designed for anyone with an interest in crime, punishment and criminal justice, the criminology program addresses contemporary questions about crime and control within theoretical and policy contexts.

**Master of Environmental Law**

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>Year 1 tuition fee (A$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Environmental Law</td>
<td>7.0 (6.0)</td>
<td>Feb/Aug</td>
<td>1</td>
<td>46,500</td>
</tr>
</tbody>
</table>

The unique and innovative Climate and Environmental Law program at Sydney Law School is at the forefront of contemporary issues in climate and environmental law. It has been designed to meet the needs of both Australian environmental specialists and those from other countries. Climate and environmental law form one of the most rapidly expanding areas of specialisation in the law. At Sydney Law School, this expansion is reflected in the abundance and variety of units available in the study of this field.

**Master of Health Law**

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>Year 1 tuition fee (A$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Health Law</td>
<td>7.0 (6.0)</td>
<td>Feb/Aug</td>
<td>1</td>
<td>46,500</td>
</tr>
</tbody>
</table>

Sydney Law School offers one of the nation's leading postgraduate programs in health and medical law. The Master of Health Law is a flexible, specialist postgraduate qualification providing wide-ranging interdisciplinary coverage of contemporary legal and social issues in health care.

### Fees

Fees are listed for the total credit points required for course completion. Tuition fees are subject to annual increases each year. For further information, see page 95.

### Table

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Master of Project Leadership</td>
<td>✓ ✓</td>
<td>Feb/Aug</td>
<td>1</td>
<td>44,500</td>
</tr>
<tr>
<td>Master of Project Management</td>
<td>✓ ✓</td>
<td>Feb/Aug</td>
<td>1.5</td>
<td>44,500</td>
</tr>
<tr>
<td>Master of Project and Program Management</td>
<td>✓</td>
<td>Feb/Aug</td>
<td>1</td>
<td>44,500</td>
</tr>
<tr>
<td>Doctor of Philosophy (Engineering and IT)</td>
<td>6.5 (6.0)</td>
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<tr>
<td>Master of Philosophy (Engineering and IT)</td>
<td>6.5 (6.0)</td>
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<td>46,500</td>
</tr>
<tr>
<td>Juris Doctor</td>
<td>7.5 (7.0)</td>
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<tr>
<td>Master of Administrative Law and Policy</td>
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<td>Feb/Aug</td>
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</tr>
<tr>
<td>Master of Business Law</td>
<td>✓</td>
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<td>1</td>
<td>46,500</td>
</tr>
<tr>
<td>Master of Criminology</td>
<td>✓</td>
<td>Feb/Aug</td>
<td>1</td>
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<td>Master of Environmental Law</td>
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<td>Feb/Aug</td>
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</tr>
<tr>
<td>Master of Health Law</td>
<td>✓</td>
<td>Feb/Aug</td>
<td>1</td>
<td>46,500</td>
</tr>
</tbody>
</table>

### Notes

- Fees are listed for the total credit points required for course completion.
- Tuition fees are subject to annual increases each year. For further information, see page 95.
Master of International Law

An acknowledged leader in international law, Sydney Law School offers a unique program that focuses on core areas of international law with a variety of specialisations. Our program allows you to undertake units of study with a comparative focus, or those that examine the international rules governing the world as a whole.

Master of Jurisprudence

One of Sydney Law School’s key strengths, jurisprudence comprises the teaching of legal theory with a focus on the philosophical and sociological aspects of law. The Master of Jurisprudence is an interdisciplinary program suitable if you are interested in the principles and operations of legal systems or interdisciplinary research methodology. The course is designed to expose you to the importance of legal theory in its broad sense, which includes philosophical reflection, sociological theory and comparative enquiry.

Master of Labour Law and Relations

Sydney Law School offers a rare and flexible program in employment and labour law that allows law graduates to pursue specific units in labour law, employment law, discrimination law and dispute resolution. The Master of Labour Law and Relations is a sought-after qualification for people with or without a law degree that merges the expertise of Sydney Law School with the Discipline of Work and Organisational Studies (part of the University of Sydney Business School) and the Department of Political Economy.

Master of Laws

The University of Sydney’s Master of Laws (LLM) program is one of the leading postgraduate coursework programs in law in Australia. It is a flexible and highly sought-after degree that caters specifically for the needs of the legal profession. We cater to more than 20 areas of specialisation as well as offering a number of specialised units of study, with units taught by our own experts as well as by international visitors. As a law graduate, you may choose from the entire range of units of study offered through Sydney Law School’s postgraduate coursework program, allowing you to tailor an LLM program that suits your academic and professional needs.

Master of Taxation

The Master of Taxation is a specialist qualification in Australian tax law, drawing upon the Sydney Law School’s taxation program, one of the world’s most respected and established. The curriculum has been designed to meet professional requirements at a national and international level and is relevant to those in the Australian tax profession, whether as lawyers, accountants, public administrators or academics, who wish to build on their experience and attain a high level of specialist tax expertise. Sydney Law School is internationally renowned for tax education.

Research courses (Law)

Doctor of Philosophy (Law)

The Doctor of Philosophy (PhD) at Sydney Law School equips you for careers in advanced research, policy development, public service, tertiary teaching or professional leadership. You will benefit from a vibrant and dynamic research culture and engage with internationally renowned faculty members who are experts across a range of fields. Student will submit a thesis of approximately 80,000 words.

Master of Criminology – Research

The Master of Criminology by Research enables you to further explore aspects involving criminal law, forensic psychiatry, drug policy and the law, gender and race relations, youth and crime, policing in society, and other social and cultural aspects of criminal justice. Your 50,000-word supervised thesis must be submitted by the end of the final year of study.

Medicine and health

Allied health

Master of Diagnost Radiography

This course prepares graduates for clinical practice in the profession of diagnostic radiography with a commitment to lifelong learning and evidence-based practice. The course is a graduate-entry program (students are required to have completed an undergraduate degree prior to entry), however it is designed to accommodate all suitably qualified candidates regardless of their previous discipline. As the course leads to eligibility to practise, you will be assisted with achieving prescribed professional competencies through practical and theoretical skill acquisition and clinical placements.

Master of Exercise Physiology

This course is designed to produce graduates who possess the knowledge, competencies and clinical experience required for safe and effective clinical exercise practice. You will explore metabolism and physiology, human motor learning and control, the principles of exercise programming, nutrition and pharmacology, and musculoskeletal principles of exercise. Integrated clinical practice instruction, practicums, and case studies will provide the advanced skills and experience essential for professional practice. Clinical placements are undertaken in both the public and private sectors.

Master of Occupational Therapy

This course prepares graduates for clinical practice in the profession of occupational therapy. Occupational therapists work with their clients to overcome barriers that may be preventing them from participating more fully in life. This might involve teaching alternative techniques to achieve a given task, or facilitating improvement of skills. Occupational therapists collaborate with family and carers where needed, and typically work in teams with other health professionals. The course is a graduate-entry program (you are required to have completed an undergraduate degree prior to entry), however it is designed to accommodate all suitably qualified candidates regardless of their previous discipline.
period, you will gain advanced research and critical thinking skills that will see you publish work in journals, influence health policy and expand your career. You will work individually on your research project under the direction of a supervisor who is a leader in the allied health field. Across the 1-2 year research period, you will gain invaluable experience in research methodologies and data analysis, and become proficient in using high-quality research tools and technologies.

This course allows you to conduct high-impact, multidisciplinary research that spans the broad areas of cancer diagnosis and rehabilitation, communication and sciences disorders, disability and mental health, musculoskeletal health and physical activity, lifestyle, ageing and wellbeing. As a doctoral student, you will engage with a community of world-class research scholars to develop your expertise through seminar presentations and collaborative relationships with government, industry and international organisations. Over the 3-4 year period, you will gain advanced research and critical thinking skills that will see you publish work in journals and influence health policy that will culminate in the completion of a significant thesis of work.

Master of Rehabilitation Counselling

This course prepares graduates for professional practice as rehabilitation counsellors. Graduates attain professional status as a rehabilitation counsellor and are qualified to provide specialist counselling, rehabilitation and case management services to people who have experienced injury, disability or social disadvantage. You will gain the information and skills you need to assist people to attain maximum participation in employment and community life through appropriate assessment, counselling, service provision and support.

Master of Speech Language Pathology

The Master of Speech Language Pathology prepares graduates for professional practice as speech pathologists. Speech pathologists work with children and adults who have communication and speech difficulties, including problems with speaking, comprehension, reading, writing, voice problems and stuttering. They also work with children and adults who have swallowing difficulties or need alternative ways to communicate. The curriculum for this master’s degree has been designed to enable students to learn in a way that resembles the clinical practice of speech pathology.

Research courses (Allied Health)

Doctor of Philosophy (Health Sciences)

The Doctor of Philosophy (Health Sciences) provides an opportunity for intensive research training across our broad priority research areas of cancer diagnosis and rehabilitation, communication and sciences disorders, disability and mental health, musculoskeletal health and physical activity, lifestyle, ageing and wellbeing. As a doctoral student, you will engage with a community of world-class research scholars to develop your expertise through seminar presentations and collaborative relationships with government, industry and international organisations. Over the 3-4 year period, you will gain advanced research and critical thinking skills that will see you publish work in journals and influence health policy that will culminate in the completion of a significant thesis of work.

Master of Applied Science – Research

This course allows you to conduct high-impact, multidisciplinary research that spans the broad areas of cancer diagnosis and rehabilitation, communication and sciences disorders, disability and mental health, musculoskeletal health and physical activity, lifestyle, ageing and wellbeing. You will work individually on your research project under the direction of a supervisor who is a leader in the allied health field. Across the 1-2 year research period, you will gain advanced research and critical thinking skills that will see you publish work in journals, influence health policy and expand your career prospects.

Dentistry

Graduate Diploma in Clinical Dentistry (Advanced Restorative)

The Advanced Restorative course will provide you with a high level of knowledge and advanced skills in the areas of advanced restorative dentistry, prosthodontics and oral implants. Building on the foundation of the graduate certificate, this graduate diploma provides more intensive theoretical and clinical work, which can then be followed by the Doctor of Clinical Dentistry (Prosthodontics) or a higher degree by research in this field.

Graduate Diploma in Clinical Dentistry (Surgical Dentistry)

This course provides the opportunity for dentists registered in Australia to develop skills and acquire knowledge essential for oral surgery through a comprehensive curriculum of theoretical and clinical studies. It has a foundation of evidence-based practice, will enable the provision of a range of oral surgery services including appropriate oral surgical management of medically compromised patients, and will include oral medicine and oral pathology components as well as implants. You will also complete a research project in the field of oral surgery under the supervision of an academic staff member.

Doctor of Clinical Dentistry (Oral Medicine)

The Oral Medicine program will develop your skills in the non-surgical management of the full range of oral diseases as well as for the care of medically compromised patients in hospital and non-hospital settings. You will learn about the diagnosis and non-surgical treatment of diseases of the oral mucosa and salivary glands, facial pain and oral manifestations of systemic diseases such as HIV. This course will give you an understanding of the oral healthcare needs of medically compromised patients, including transplant recipients, in close cooperation with the medical and surgical units of Westmead Hospital. Diagnostic oral and general pathology form integral parts of the course. You will also complete a research project in the field of oral medicine and oral pathology under the supervision of an academic staff member.

Doctor of Clinical Dentistry (Orthodontics)

The Orthodontics program provides the opportunity for you to develop skills and acquire knowledge essential for specialisation in orthodontics through a comprehensive curriculum of theoretical and clinical studies. Technique instruction is based on fixed appliance therapy, comprising Begg and Edgewise philosophies, including a self-ligating bracket technique. As a capstone to your studies, you will complete a research project in the field of orthodontics under the supervision of an academic staff member.

Doctor of Clinical Dentistry (Periodontics)

The Periodontics program trains qualified dentists who wish to specialise in periodontics. You will complete a research project in the field of periodontal surgery or practise under the supervision of an academic staff member, develop technical skills in periodontal implants and clinical periodontics, and acquire a comprehensive understanding of the field of periodontontology.
Doctor of Clinical Dentistry (Prosthodontics)

The Prosthodontics program trains qualified dentists who wish to specialise in prosthodontics. The course will develop your clinical skills in advanced restorative dental surgery and contemporary prosthodontics and you will acquire a comprehensive understanding of orofacial pain. You will also complete a research project in the field of prosthodontics or restorative dentistry under the supervision of an academic staff member.

Fees: The fees for the Prosthodontics course are subject to annual increases each year. For further information, see page 95.

Doctor of Clinical Dentistry (Special Care Dentistry)

The Special Care Dentistry program is aimed at qualified local and international dentists who wish to practise in fields of special care. Oral biology, oral medicine, oral pathology and internal and general medicine will form the basis of your foundation year in the course. You will then complete advanced studies in behaviour and dental management, restorative dentistry, and growth, development and ageing. You will also complete a research project in the field of special care dentistry under the supervision of an academic staff member.

Fees: The fees for the Special Care Dentistry course are subject to annual increases each year. For further information, see page 95.

Doctor of Dental Medicine

The Doctor of Dental Medicine is a graduate-entry program that qualifies you to practise as a dentist. It is presented across four years and uses postgraduate methods of delivery and assessment. Four units of study, each composed of a number of cognate disciplines, have an initial theoretical and practical component, in association with simulated learning, progressing to eventually become exclusively patient-based clinical education in Year 4.

Fees: For further information on fees, see page 95.
The inter-professional and multidisciplinary structure encourages students to develop effective collaborative approaches to employment in a variety of healthcare settings. This newly enhanced program enables students to address the challenges of sexual and reproductive health through a wide range of core and elective topics, such as internal medicine specialties, sexual health, pain and metabolic health, and non-clinical areas including public health, epidemiology and ethics.

### Master of Health Policy

The Healthy Policy program at the School of Public Health provides you with a comprehensive and practical understanding of health systems and policymaking processes. It offers a critical perspective on how health systems operate and the forces that shape the health policy environment. Graduates will have a comprehensive and practical understanding of policymaking, including economic evaluation; health financing and budgets; power, politics and agenda setting and the critical use of evidence. This course is designed for health practitioners who are interested in learning more about how health priorities are set and wish to gain a broader understanding of health systems. It is also for those already engaged in or planning careers in public policy who wish to extend their knowledge of health policy and policymaking.

### Master of Health Technology Innovation

Refer to the Master of Health Technology Innovation under Engineering and Information Technologies on page 104.

### Master of Health Security

Refer to the Master of Health Security under Arts and Social Sciences on page 99.
<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing Semester</th>
<th>Duration (full time in years)</th>
<th>2019 Indicative Year 1 tuition fee (A$) / 1.0 EFTSL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Medicine (Sexual and Reproductive Health) and Master of Philosophy</td>
<td>7.0 (6.5)</td>
<td>Feb/Aug</td>
<td>2</td>
<td>46,500</td>
</tr>
<tr>
<td>Master of Science in Medicine (Sexual and Reproductive Health) and Master of Philosophy</td>
<td>7.0 (6.5)</td>
<td>Feb/Aug</td>
<td>2</td>
<td>46,500</td>
</tr>
<tr>
<td>This newly enhanced program enables students to address the challenges of sexual and reproductive health through a wide range of core and elective units, with an option to choose one of four distinct pathways (HIV and STIs, Psychosexual Therapy, Reproductive Health and Fertility, and Public Health). The inter-professional and multidisciplinary structure encourages students to develop effective collaborative approaches to employment in a variety of healthcare settings.</td>
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</tr>
<tr>
<td>Master of Public Health</td>
<td>6.5 (6.0)</td>
<td>Feb/Aug</td>
<td>1.5</td>
<td>46,500</td>
</tr>
<tr>
<td>This newly enhanced degree focuses on the prevention of illness and the promotion of health. Learning opportunities are aimed at developing the essential knowledge and methodological and practical skills required of practitioners in the practice of modern population health. After completing the comprehensive core units, students can choose to complete their Master of Public Health covering the broad field of public health, selecting from a wide variety of elective options within the School of Public Health and across the University. Alternatively, students can decide to focus their studies in one of our course specialisations: Chronic Disease Prevention, Communicable Disease Control, Health Promotion and Advocacy and Research Methods.</td>
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<td></td>
</tr>
<tr>
<td>Master of Surgery</td>
<td>6.5 (6.0)</td>
<td>Feb/Aug</td>
<td>1</td>
<td>46,500</td>
</tr>
<tr>
<td>This degree provides specialisation in one of the following: breast surgery (graduate certificate also available), cardiothoracic surgery, colorectal, endocrine surgery; hand surgery, head and neck, neurosurgery, orthopaedic, otolaryngology, paediatric surgery, plastic and reconstructive surgery, surgical oncology, surgical outcomes, surgical sciences, surgical skills, transplant surgery, trauma surgery, upper gastrointestinal surgery, urology, vascular surgery and endovascular surgery (August entry only).</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Research courses (Medicine)</td>
<td>6.5 (6.0)</td>
<td>Jan/Mar/Oct</td>
<td>3–4</td>
<td>46,500</td>
</tr>
<tr>
<td>Research at the University of Sydney Medical School embraces health and medical research, from fundamental molecular mechanisms through clinical research and clinical trials; from public health issues to health policy development. This course allows you to pursue research from many areas in which the faculty has expertise. You will complete the degree in three to four years, undertaking research that culminates in a thesis.</td>
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</tr>
<tr>
<td>Doctor of Philosophy (Medicine)</td>
<td>6.5 (6.0)</td>
<td>Jan/Mar/Oct</td>
<td>1–2</td>
<td>46,500</td>
</tr>
<tr>
<td>Research at the University of Sydney Medical School embraces health and medical research, from fundamental molecular mechanisms through to clinical research and trials; from public health issues to health policy development. This course is aimed at those who intend to pursue a career in medical or health research or who wish to gain a competitive edge by demonstrating superior ability and research experience. It may also be used as a stepping stone to a Doctor of Philosophy (PhD).</td>
<td></td>
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</tr>
<tr>
<td>Master of Surgery - Research</td>
<td>6.5 (6.0)</td>
<td>Jan/Mar/Oct</td>
<td>1–2</td>
<td>46,500</td>
</tr>
<tr>
<td>This course is aimed at those who intend to pursue careers in surgical research. The major research areas include: melanoma, neurosurgery, rheumatology and orthopaedic surgery, urology and vascular surgery. The research project will culminate in a thesis.</td>
<td></td>
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</tr>
<tr>
<td>Nursing</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Master of Advanced Nursing Practice</td>
<td>7.0 (7.0)</td>
<td>Feb</td>
<td>1.5</td>
<td>37,500</td>
</tr>
<tr>
<td>The Master of Advanced Nursing Practice allows you to explore the ways in which nurses work and practise within clinical environments. This course develops advanced nursing practice ability, with a focus on patient safety and the provision of quality care. You will be encouraged to apply this knowledge to your own area of clinical expertise. This course also gives you the opportunity to undertake a practice project of your choice and advance your knowledge in clinical areas that are of particular interest.</td>
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</tr>
<tr>
<td>Master of Cancer and Haematology Nursing</td>
<td>7.0 (7.0)</td>
<td>Feb</td>
<td>1.5</td>
<td>37,500</td>
</tr>
<tr>
<td>Cancer and Haematology Nursing aims to assist nurses who care for people affected by cancer and haematological illness to develop their knowledge and skills for their care. You will investigate the biology of cancer and haematology, associated treatments, and integrated multidisciplinary management. You will acquire knowledge about all aspects of the prevention, diagnosis and management of cancer, future treatment trends and the exploration of the impact of these illnesses on the individual, family and community.</td>
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<td></td>
</tr>
<tr>
<td>Master of Emergency Nursing</td>
<td>7.0 (7.0)</td>
<td>Feb</td>
<td>1.5</td>
<td>37,500</td>
</tr>
<tr>
<td>Emergency Nursing is designed for registered nurses currently working in the emergency environment and is intended to assist you to become clinical leaders. Your individual clinical experience is integrated with relevant evidence to produce information that can be used to inform the clinical practice of others. You will develop proficiency in emergency patient assessment and management. You will learn to anticipate and prioritise patient care and provide accurate assessment, intervention and effective ongoing management, often in a busy, autonomous and stressful environment.</td>
<td></td>
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</tr>
<tr>
<td>Master of Intensive Care Nursing</td>
<td>7.0 (7.0)</td>
<td>Feb</td>
<td>1.5</td>
<td>37,500</td>
</tr>
<tr>
<td>Intensive Care Nursing is designed for registered nurses currently working in the intensive care environment and is intended to assist you to become a clinical leader. Your individual clinical experience is integrated with relevant evidence to produce information that can be used to inform the clinical practice of others. As a registered nurse working in the intensive care environment, you are expected to provide sophisticated care and advice to critically ill patients and their families. This requires the application of advanced physiological knowledge during the assessment and management of patients who may be experiencing single or multiple organ dysfunctions. The course will give you the specific knowledge, skills and attributes to provide care to this challenging group of patients.</td>
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</tr>
</tbody>
</table>

Tuition fees are subject to annual increases each year. For further information, see page 95. Fees are listed for the total credit points required for course completion.
The Master of Music Studies (Conducting) at the Sydney Conservatorium of Music is a four-semester postgraduate coursework degree. It trains conductors to a level that allows them to seek professional placements with music ensembles. The degree program combines detailed study of conducting techniques, in-house experience of working with ensembles and conductors, and supporting academic units of study. The program of study culminates in a fourth semester examined performance – a concert of 30 to 45 minutes to be conducted by the candidate.

The Master of Music Studies (Performance) will extend your technical mastery of your chosen instrument or voice, while deepening your knowledge of repertoire and performance practice. This master’s course may be taken in any of the Conservatorium’s instrumental areas, including orchestral and solo instruments, early music and jazz.

The Master of Music Studies (Opus Performance) focuses on text-related matters in various kinds of vocal music, with the aim of fostering your skills as an interpreter in all the major operatic languages.
Tuition fees are subject to annual increases each year. For further information, see page 95. Fees are listed for the total credit points required for course completion.

### Master of Music (Composition)

Creating new music is vital to ensuring the future of Australian music. With Australia’s most gifted composers at the Sydney Conservatorium of Music and outstanding facilities, you can create Australia’s music future in a range of media, from instrumental and vocal to electronic and electroacoustic music. This degree aims to facilitate the development of advanced compositional skills and allow you to work on compositions that are longer and more complex than those you would produce in an undergraduate course.

### Master of Music (Music Education)

Music educators train the musicians of tomorrow and our researchers study early childhood through school and university systems, to studio teaching, community music activity, popular music, music therapy and non-notated music traditions. This degree aims to foster research skill development in areas of music education through research seminars and the writing of a thesis.

### Master of Music (Performance)

Develop your skills as a research-based performer who can demonstrate independence of thought, critical awareness and interpretative capacities. With Australia's most talented performers at the Sydney Conservatorium of Music and outstanding facilities, your studies will culminate in a final-degree performance and a short dissertation. You will learn to extend the boundaries of performance through expanded stylistic or interpretative horizons, investigation of historical performance practice, development of new performance modes, relationships and techniques, or enhanced critical, historical or analytical perspectives.

### Science, agriculture, environment and veterinary science

#### Doctor of Veterinary Medicine

Study to become a registered veterinary practitioner with the Doctor of Veterinary Medicine. Our internationally accredited course will turn you into a career-ready vet, with the skills to work in managing animal health and disease in Australia and around the world.

### Graduate Diploma in Science

The degree is a springboard from undergraduate into higher research degrees. Whether you want to step up to a master’s degree, or go all the way with a PhD, the one-year degree is a training pathway for admission into scientific research courses. As part of the graduate diploma, you undertake a research project in a specialised area of science, under the guidance and supervision of an academic staff member who is an expert in your selected area.

### Master of Agriculture and Environment

The Master of Agriculture and Environment trains you to solve some of the world’s biggest challenges: food security, climate change, and management of carbon, water and the environment. With lots of professional experience in the lab and out in the field, you’ll be ready to contribute to a booming sector that generates more than $150 billion a year in production and contributes around 16 percent of Australia’s export earnings.

### Master of Clinical Psychology

Gain the knowledge and practical experience to work as a professional clinical psychologist. With expert supervision in clinics, teaching hospitals and community settings, the course will give you the skills to work in the prevention, diagnosis, and treatment of a wide range of psychological disorders. The Master of Clinical Psychology is the path to professional specialisation in clinical psychology. By the end of this degree you will have the highly developed knowledge base and strong clinical skills needed to work as a professional clinical psychologist in many clinical and community settings.

### Master of Environmental Science

The Master in Environmental Science is a launchpad into leadership for professionals in the environmental sector. If you are a new graduate keen to kickstart your career, or a professional looking to upskill or gain formal qualifications, then this is the perfect option. Drawing on a wide range of science-based disciplines and applications, from ecology to solar power, analytical chemistry to geomorphology, this degree gives you a grounding in basic environmental issues. It also offers great flexibility in the subjects you take and how deep you delve into them.
The Master of Veterinary Clinical Studies provides clinical veterinarians with the opportunity to conduct advanced clinical research at the University of Sydney, which is ranked first in Australia and 11th in the world for veterinary science (QS World University Rankings by Subject, 2018). From research in preclinical, paraclinical and clinical disciplines, to animal health, animal husbandry, nutrition, anatomy and animal genetics, the degree will give you the opportunity to develop a research project that has global significance.

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>Year 1 tuition fee (A$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Environmental Science and Law</td>
<td>7.0 (6.0)</td>
<td>Feb/Aug</td>
<td>1.5</td>
<td>46,500</td>
</tr>
<tr>
<td>Master of Marine Science and Management</td>
<td>✓</td>
<td>6.5 (6.0)</td>
<td>Feb/Aug</td>
<td>1.5</td>
</tr>
<tr>
<td>Master of Medical Physics</td>
<td>✓</td>
<td>6.5 (6.0)</td>
<td>Feb</td>
<td>1.5</td>
</tr>
<tr>
<td>Master of Nutrition and Dietetics</td>
<td>7.5 (6.5)</td>
<td>Feb</td>
<td>2</td>
<td>46,500</td>
</tr>
<tr>
<td>Master of Science in Coaching Psychology</td>
<td>✓</td>
<td>7.0 (6.0)</td>
<td>Feb</td>
<td>1</td>
</tr>
<tr>
<td>Master of Sustainability</td>
<td>✓</td>
<td>6.5 (6.0)</td>
<td>Feb/Aug</td>
<td>1.5</td>
</tr>
<tr>
<td>Research courses (Science, agriculture, environment and veterinary science)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctor of Philosophy (Science)</td>
<td>6.5 (6.0)</td>
<td>Jan/Mar/Jul/Oct</td>
<td>3–4</td>
<td>46,500</td>
</tr>
<tr>
<td>Master of Philosophy (Science)</td>
<td>6.5 (6.0)</td>
<td>Jan/Mar/Jul/Oct</td>
<td>1.5 to 2</td>
<td>46,500</td>
</tr>
<tr>
<td>Master of Veterinary Clinical Studies</td>
<td>7.0 (6.5)</td>
<td>Jan/Mar/Jul/Oct</td>
<td>1–2</td>
<td>46,500</td>
</tr>
</tbody>
</table>
POSTGRADUATE COURSES

NOT AVAILABLE FOR FULL-TIME STUDY ONSHORE

These courses are not available for full-time study in Australia on a student visa. International students offshore or in Australia who are not on a student visa, depending on their visa type, may be eligible to undertake these courses.

For more information, visit
− sydney.edu.au/courses

<table>
<thead>
<tr>
<th>Course name</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time in years)</th>
<th>Year 1 tuition fee (A$) / EFTSL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Business</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Executive Master of Business Administration</td>
<td>7.0 (6.0)</td>
<td>Feb</td>
<td>Part time</td>
<td>67,000</td>
</tr>
<tr>
<td>Master of Business Administration</td>
<td>✔️</td>
<td>7.0 (6.0)</td>
<td>Feb/Aug</td>
<td>46,500</td>
</tr>
<tr>
<td>Education and social work</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master of Education (International Education)</td>
<td>✔️</td>
<td>✔️</td>
<td>Feb/Aug</td>
<td>40,000</td>
</tr>
</tbody>
</table>

Our Global Executive MBA has been designed to give you a range of unique experiences around the world, in different countries and organisations, so you can achieve the future you’ve imagined. Because we believe that to influence the world, you need to be inspired by it. With a focus on experiential learning, disruption and adaptability, you’ll work with business leaders and global organisations to address dynamic and multifaceted problems, and discover how to drive positive change in a world of uncertainty, ambiguity and complexity.

Create the future you want with our Master of Business Administration (MBA), ranked number one in Australia by the Financial Review BOSS MBA Rankings 2017. Our unique, experiential program is purpose built to unlock your personal and professional ambitions, and refine your leadership skills. Delivered in our Sydney CBD campus, this course can be completed in two to three years of part-time study.

The Master of Education (International Education) offers invaluable knowledge, skills and experience to planners, officials, non-government employees and others who work or wish to work in national or international organisations. International Education explores issues such as the processes of globalisation and their effects on education, intercultural aspects of education, and international systems and institutions, making it the perfect choice for practitioners and potential practitioners in the field. The degree is offered entirely online, allowing you the flexibility of continuing to work anywhere in the world while you study.
### Course name

**Medicine and health**

#### Master of Medical Imaging Science

This newly designed program will help you develop research skills and knowledge in the field of medical radiation sciences, including the areas of computed tomography, magnetic resonance imaging, hybrid imaging, breast imaging and radiographic image interpretation and research. The rapid evolution of medical imaging technology calls for expert researchers to develop optimised imaging techniques and advance diagnostic efficacy. Professionals in this field need high-level technical expertise and communication skills to provide optimal patient care.

<table>
<thead>
<tr>
<th>Course name</th>
<th>Graduate certificate available</th>
<th>Graduate diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
<th>EFTSL <strong>###</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Medical Imaging Science</td>
<td>✔</td>
<td>✔</td>
<td>6.5 (6.0)</td>
<td>Feb</td>
<td>1.5</td>
<td>46,500</td>
<td></td>
</tr>
</tbody>
</table>

#### Master of Biostatistics

Biostatistics can be used to show the most effective treatment in the spread of disease, or determine risk factors in genetic inheritance and mutation. The Master of Biostatistics covers areas such as the design of randomised controlled trials, categorical data and generalised linear models, survival analysis, and longitudinal and correlated data analysis. Our biostatistics programs are accredited with the Statistical Society of Australia.

<table>
<thead>
<tr>
<th>Course name</th>
<th>Graduate certificate available</th>
<th>Graduate diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
<th>EFTSL <strong>###</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Biostatistics</td>
<td>✔</td>
<td>✔</td>
<td>6.5 (6.0)</td>
<td>Feb/Aug</td>
<td>Part time</td>
<td>46,500</td>
<td></td>
</tr>
</tbody>
</table>

#### Master of Clinical Trials Research

This distinctive course, targeted at medical doctors and allied health professionals, will allow you to acquire the expertise needed to design, develop, lead and conduct clinical trials. The course is led by the NHMRC Clinical Trials Centre (CTC) – Australia’s premier academic clinical trials research organisation – and is specifically focussed on clinical trials design and research methodology. The course is offered via distance learning. As a result of participation, you will have a solid understanding of clinical trials methodologies underpinning the design of good quality studies, as well as the knowledge to lead and/or design, conduct and appropriately interpret the results of single and multi-centre clinical trials.

<table>
<thead>
<tr>
<th>Course name</th>
<th>Graduate certificate available</th>
<th>Graduate diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
<th>EFTSL <strong>###</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Clinical Trials Research</td>
<td>✔</td>
<td>✔</td>
<td>7.0 (7.0)</td>
<td>Feb</td>
<td>Part time</td>
<td>46,500</td>
<td></td>
</tr>
</tbody>
</table>

#### Master of International Ophthalmology

This degree will provide you with the skills to practise ophthalmology at the highest possible standard with an emphasis on the specific diseases and pathologies within developing countries. Our ophthalmology programs have been developed and are taught by the Save Sight Institute at the Sydney Eye Hospital. They have extensive experience in providing the best quality ophthalmic care in developed and developing countries.

<table>
<thead>
<tr>
<th>Course name</th>
<th>Graduate certificate available</th>
<th>Graduate diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
<th>EFTSL <strong>###</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Medicine</td>
<td></td>
<td></td>
<td>6.5 (6.0)</td>
<td>Feb/Aug</td>
<td>1</td>
<td>46,500</td>
<td></td>
</tr>
</tbody>
</table>

#### Master of Medicine (Cataract and Refractive Surgery)

Refractive surgery is an ever-expanding area within the field of ophthalmology that encompasses laser and non-laser vision correction. Such surgery has traditionally been performed by surgeons in large private clinics, but in recent years has become accepted as part of mainstream ophthalmic care. Laser eye surgery is now the most frequently performed eye operation in Australia. Upon completion of this course you will be equipped with knowledge of cataract and refractive surgery theory and practice.

<table>
<thead>
<tr>
<th>Course name</th>
<th>Graduate certificate available</th>
<th>Graduate diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
<th>EFTSL <strong>###</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Medicine (Cataract and Refractive Surgery)</td>
<td>✔</td>
<td></td>
<td>6.5 (6.0)</td>
<td>Feb/Aug</td>
<td>1</td>
<td>46,500</td>
<td></td>
</tr>
</tbody>
</table>

#### Master of Medicine (Critical Care Medicine)

This innovative program has been designed by critical care clinicians for doctors interested in emergency medicine, anaesthetics and intensive care medicine. It is the first such course to be offered in Australasia. A broad range of subjects relevant to the practice of critical care are available and include the basic sciences (in preparation for college examinations) retrieval medicine, pain medicine, clinical neurophysiology and clinical reasoning and communication.

<table>
<thead>
<tr>
<th>Course name</th>
<th>Graduate certificate available</th>
<th>Graduate diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
<th>EFTSL <strong>###</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Medicine (Critical Care Medicine)</td>
<td></td>
<td></td>
<td>7.0 (6.5)</td>
<td>Feb/Aug</td>
<td>1</td>
<td>46,500</td>
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</tr>
</tbody>
</table>

#### Master of Medicine (Clinical Neurophysiology)

Clinical neurophysiology is a broad discipline, encompassing diagnostic services for patients presenting with neurological dysfunction, systemic diseases and critical illnesses, through to the provision of intraoperative monitoring of the nervous system during at-risk procedures. This course is designed for anaesthetists, neurologists, neurophysiology scientists and technologists, and trainees in these areas. It aims to provide structured educational programs in neurophysiological monitoring to complement experiential learning in the workplace. This is believed to be the only postgraduate coursework of its kind in Australia.

<table>
<thead>
<tr>
<th>Course name</th>
<th>Graduate certificate available</th>
<th>Graduate diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
<th>EFTSL <strong>###</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Medicine (Clinical Neurophysiology)</td>
<td></td>
<td></td>
<td>7.0 (6.5)</td>
<td>Feb</td>
<td>1</td>
<td>46,500</td>
<td></td>
</tr>
</tbody>
</table>

#### Master of Medicine (Internal Medicine)

The Internal Medicine program is the first of its kind in Australia. It is a collaboration between the University of Melbourne and the University of Sydney, which provides a unique depth of teaching and clinical experience. While the course is focused on doctors undertaking training with the Royal Australasian College of Physicians, it offers a strong background in internal medicine to trainees and established clinicians in emergency medicine, intensive care medicine and general practice who want to develop their knowledge and skills in adult internal medicine.

<table>
<thead>
<tr>
<th>Course name</th>
<th>Graduate certificate available</th>
<th>Graduate diploma available</th>
<th>IELTS Academic</th>
<th>Commencing semesters</th>
<th>Duration (full time years)</th>
<th>2019 indicative Year 1 tuition fee (A$)</th>
<th>EFTSL <strong>###</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Medicine (Internal Medicine)</td>
<td></td>
<td></td>
<td>7.0 (6.5)</td>
<td>Feb/Aug</td>
<td>Part time</td>
<td>46,500</td>
<td></td>
</tr>
</tbody>
</table>
Master of Medicine (Metabolic Health)

There is a global epidemic of diabetes and obesity and clinicians need to understand these diseases and be equipped to manage them. Our program is developed and delivered by international leaders in the field of diabetes and metabolic health. It provides students with knowledge and skills to manage diabetes, obesity and associated cardiovascular complications in the general population as well as particular groups, such as pregnant women. This course is suitable for medical practitioners working in primary care, emergency medicine, paediatrics and those planning to train in endocrinology and nurses, dietitians, pharmacists and other health professionals with an interest in the field.

Master of Science in Medicine (Metabolic Health)

Ophthalmic science aims to prevent blindness, promote eye health and rehabilitate those with a visual disability. The program includes study in ocular anatomy, physiology, optics, genetics, pathology and practical ophthalmic science. You will gain skills in the practical applications of ophthalmic equipment, familiarity with anatomical specimens, projections, radiographs and electron micrographs, and the ability to apply psychometric testing to obtain reliable and repeatable data.

Master of Medicine (Paediatric Medicine)

The course provides you with the latest practical and theoretical knowledge of paediatric medicine. Practical topics taught in this course are delivered in a case-based interactive online format by expert clinicians. The course comprises units of study focusing on recent advances and controversial or novel topics. With its unique, flexible educational model, the Master of Medicine (Paediatric Medicine) affords busy clinicians the opportunity to extend and update their knowledge in a number of specialist areas.

Master of Science in Medicine (Ophthalmic Science)

This program provides advanced education in pain management for graduates in medicine, dentistry, nursing, physiotherapy, psychology and other disciplines involved in pain management. The course is offered in the form of online distance education mode and you may complete the course full time or part time. The course is recognised for Continuing Medical Education/Maintenance of Professional Standards Program points by the Royal Australian College of General Practitioners, the Royal Australasian College of Physicians and the Australian and New Zealand College of Anaesthetists.

Master of Science in Medicine (Pharmaceutical and Medical Device Development)

The Pharmaceutical and Medical Device Development program has been developed to meet the growing need for expertise in modern drug development practices and provide training in state-of-the-art techniques, approaches and requirements for the registration of medical products. The program is tailored to professionals working in the pharmaceutical and bio-pharmaceutical industry, regulatory affairs, drug product evaluation, registration and therapeutic marketing sectors. This program is designed to introduce students to modern approaches to drug and device design and development, providing an up-to-date set of skills essential for the current industry environment.

Master of Medicine (Sleep Medicine)

The Sleep Medicine program is designed for professionals already working in the area of sleep medicine, or for graduates wishing to embark on a career in the field. The course offers you a unique opportunity to gain a deeper insight into this rapidly growing discipline of sleep medicine. This course is taught in an online/distance mode.

Graduate Certificate in Evidence-Based Complementary Medicines

This distance/online course is open to pharmacy graduates as well as registered pharmacists currently working or looking to re-enter the workforce and who are looking to develop specialist knowledge in complementary medicines that is increasingly required in patient care, government and industry. You will learn how to identify reliable and reputable information resources that provide information on the efficacy and safety of complementary medicines commonly used in the management of health and disease. Furthermore you will learn how to translate this information into day-to-day practice that is evidence based.

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Tuition fees are subject to annual increases each year. For further information, see page 95.

Fees are listed for the total credit points required for course completion.
HOW TO APPLY
As an international student, there are several important things you need to know about the application and enrolment process.

**Students younger than 18**

If you will be younger than 18 years when you start your course, you need to provide evidence to the Department of Home Affairs (DHA) that you have appropriate welfare and accommodation arrangements in place.

If you will not be accompanied by a parent, legal custodian or approved nominated relative and would like the University to arrange this for you, please visit our website for information.

− sydney.edu.au/under-18-student-visas

**Student visas**

As an international student, you need to hold a valid Australian visa for the duration of your study in Sydney. It is important that you are familiar with the conditions of your visa, especially if you are considering making any changes to your university enrolment.

As a student visa holder, you should also be aware of the Education Services for Overseas Students (ESOS) framework, established by the Australian Government to ensure that universities deliver quality education and a high level of care to international students.

− sydney.edu.au/student-visas

**Fast track your studies**

The University of Sydney recognises that students commence their studies with different levels, areas and forms of prior learning.

Depending on your previous studies or work experience, you may be eligible to apply for recognition of prior learning (RPL) or credit that will reduce the total credit points or time required to complete your course.

**Recognition of prior learning**

If you have completed previous study in a relevant discipline or have significant professional work experience in a related field, you may be eligible to reduce the length of time and unit requirements of your postgraduate course by 1-2 semesters.

Not all courses offer RPL and where it is offered the RPL reductions and eligibility requirements can vary.

**Credit for previous studies**

You may be eligible for credit at the undergraduate or postgraduate level if your previous studies are assessed as being directly equivalent to units of study at the University of Sydney.

Credit can reduce the overall number of credit points required to complete your course and can also reduce your course duration.

Credit is often assessed on a case-by-case basis but some faculties or courses have existing credit arrangements for some qualifications.

− sydney.edu.au/study/credit

**How to apply for RPL or credit**

To apply for RPL or credit, you need to submit an application for credit when completing your online course application for admission. You will then receive information about completing your credit application, including the supporting documents required, such as unit of study descriptions, academic transcripts and, for work experience, a letter from the employer.

− sydney.edu.au/study/credit
As an international student,* you should apply as early as possible to allow time for visa and travel arrangements. All postgraduate and most undergraduate students apply direct to the University of Sydney, on our website:

− sydney.edu.au/courses

Application deadlines vary by course. Check the specific closing date for your course on our 'Find a course' website:

− sydney.edu.au/courses

For personalised advice, talk to our regional experts:

− sydney.edu.au/study/regional-contacts

You can also apply through a University-approved agent (representative). There is a A$125 application processing fee.

− sydney.edu.au/study/overseas-agents

You should apply through the Universities Admissions Centre (UAC) if you are an undergraduate international student studying:

− a current Australian Year 12 qualification in or outside Australia; or
− a current International Baccalaureate (IB) diploma in Australia.

− www.uac.edu.au/international

If applying through UAC, there will be separate application fees.

If you are applying for a Sciences Po Dual Degree, you need to apply directly to the University of Sydney, even if you are applying through UAC for your other preferences.

* An international student is anyone who is not an Australian or New Zealand citizen (or dual citizen of Australia or New Zealand), permanent resident of Australia or holder of a permanent Australian humanitarian visa. If you are an Australian or New Zealand citizen, and you hold citizenship for another country, you are still assessed for admission as an Australian domestic student. All international students studying on-shore in Australia need to hold a visa that allows them to study here.
HOW TO APPLY RESEARCH

These steps will guide you in applying for a research master’s or PhD degree at the University of Sydney.

You need to secure the support of a supervisor before you can proceed to the application stage. This is an important step, and we encourage you to think carefully about your research proposal and how it aligns with the work of your potential supervisor.

This is your opportunity to showcase your previous experience and the strength of your research project.

* An international student is anyone who is not an Australian or New Zealand citizen (or dual citizen of Australia or New Zealand), permanent resident of Australia or holder of a permanent Australian humanitarian visa. If you are an Australian or New Zealand citizen, and you hold citizenship for another country, you are still assessed for admission as an Australian domestic student. All international students studying onshore in Australia need to hold a visa that allows them to study here.
Step 1
Choose a degree

Start by reviewing the types of degrees we offer and check the admission criteria for the research degree you want to apply for. We encourage you to apply well ahead of time; even before completion of your current qualifying degree. In these circumstances, referee reports are essential as part of the application for admission.

- sydney.edu.au/study/pg-research

Step 2
Develop your research ideas

Carefully consider the subject of your research and find out if your interests align with any academic members of staff. At this point you need to develop an initial research proposal. While this initial proposal will probably not fully capture all the details of your final project, it is important to think seriously about it, clearly explaining your ideas about your research. It should not be a generic or vague proposal but should actively seek to show why your research is noteworthy and how it aligns with your proposed supervisor’s own work.

For guidelines on preparing your research proposal for admission, refer to our website:
- sydney.edu.au/study/pg-research

Step 3
Find a supervisor

You’ll need a staff member who has agreed to mentor you for the duration of your research. Use the Research Supervisor Connect database to search for current supervisors and projects.

- sydney.edu.au/research/opportunities

Use the ‘Contact research expert’ button to contact a potential supervisor. To support your enquiry, describe your academic background and research experience, the topic you’d like to research, and how your proposed research project aligns with their background. Include your résumé, academic transcript for all completed degrees and your initial research proposal (up to 2000 words).

For business, law and medicine, you will need to submit an Expression of Interest form directly to the school.

Step 4
Submit your application

When you have secured a supervisor, you will discuss and refine the project together. As an international student*, once your research proposal is finalised, you can submit a direct online application to the University of Sydney through our website.

- sydney.edu.au/courses

You will need to include the following documents:
- academic transcripts
- English language proficiency, where required
- résumé
- referee reports
- finalised research proposal
- evidence of an academic staff member’s agreement to supervise you
- portfolio of work or audition may be required for certain courses (refer to sydney.edu.au/courses).

You can save and return to your application, upload documentation, and formally accept an offer if your application is successful.

Most faculties accept applications all year round and offer four research periods each year when you can start your study with us.

For key research dates, visit:
- sydney.edu.au/study/admissions-timeline

You can also engage the services of a University agent (representative) to help with your application.
- sydney.edu.au/study/overseas-agents
Admission to the University of Sydney is highly competitive. You need to meet specific academic and English language requirements before we make an unconditional offer of admission.

**Academic requirements**

The University accepts a range of Australian and overseas senior secondary (high school) qualifications and successful tertiary studies for admission into its courses. Learn more at:

- sydney.edu.au/study/admission-criteria

**Undergraduate**

Applicants are required to meet course-specific academic criteria through one of the following:

- an accepted senior secondary qualification
- at least one year of tertiary study in a bachelor's degree at a recognised tertiary institution
- an equivalent tertiary qualification accepted by the University
- a recognised university foundation program, such as the University of Sydney Foundation Program.

Some courses have additional admission criteria such as an interview, audition, portfolio or admission test. For details, see pages 126 to 127.

Refer to the tables on pages 46 to 53 for a guide to admission criteria for some of the senior secondary qualifications we accept. For a full list of accepted senior secondary qualifications, visit:

- sydney.edu.au/study/secondary-qualifications

If your qualification isn’t recognised, you can complete a university preparation course through the University of Sydney Foundation Program. See page 132 or visit:

- sydney.edu.au/foundationprogram

**Prerequisites**

Some courses have prerequisites.

**Mathematics course prerequisites**

If you are undertaking a senior secondary (or Year 12) qualification such as the New South Wales (NSW) Higher School Certificate (HSC) or International Baccalaureate (IB) in Australia, the mathematics prerequisite will apply for some courses. It will help students thrive in science, technology, engineering and mathematics-related degrees, commerce and economics degrees, and some medicine and health degrees. Refer to the A to Z course table on pages 60 to 84 for courses which have the mathematics prerequisite. For more information visit

- sydney.edu.au/study/maths

The following courses require three Band 5s in the HSC (or equivalent), including one in English (English Standard or English Advanced):

- Bachelor of Education (Health and Physical Education)
- Bachelor of Education (Primary)
- Bachelor of Music (Music Education).

Similar requirements will be applied to the IB and other Australian Year 12 qualifications. For other secondary qualifications you need to achieve the relevant minimum scores, and have good results in English (equivalent of English Standard or English Advanced). If you need to meet English proficiency requirements through a test such as IELTS, you will complete those requirements separately.

**Assumed knowledge and bridging courses**

Some courses expect you to have a certain level of knowledge in areas such as mathematics, physics, biology and chemistry. Refer to the
A to Z course table on pages 60 to 84 for course-specific assumed knowledge. The subjects listed refer to the NSW HSC subjects, but equivalent subjects in other recognised senior secondary qualifications will be accepted (see also ‘Prerequisites’). For a guide to the standard required in other senior secondary qualifications, refer to the syllabus of HSC subjects:

- www.boardofstudies.nsw.edu.au/syllabus_hsc

If you have not studied these subjects in high school, we recommend you undertake appropriate bridging studies before you commence your course. The University offers some bridging courses to help you up to speed.

- sydney.edu.au/ug-bridging

**Postgraduate coursework**

Admission criteria may include an acceptable academic qualification (usually the equivalent of an Australian bachelor’s degree) and compliance with any special criteria for your course. Refer to the 'Additional admission criteria' on pages 126 and 127, and visit:

- sydney.edu.au/courses

**Postgraduate research**

In general, to be eligible for admission to a postgraduate research degree, you need to demonstrate sufficient prior research experience and capability, such as:

- a bachelor’s degree with first or upper second class honours, or
- a master’s degree performed at a high academic standard, and which includes a substantial component of original research, or
- an equivalent qualification that demonstrates research experience, excellence and capability.

The above criteria are the minimum requirements for eligibility and do not guarantee admission. That remains at the discretion of the faculty. For specific requirements, see:

- sydney.edu.au/research-entry

You are encouraged to apply well ahead of time, and even before completion of your current qualifying degree. In these circumstances, referee reports are essential as part of the application for admission.

**English language requirements**

If English is not your first language, you need to demonstrate that your English language skills meet the minimum level required for your chosen course. You can do this by fulfilling one of the following:

1. For undergraduate study: a recognised senior secondary (high school) qualification conducted in English, English subjects in secondary school qualifications specified by the University or tertiary studies (at least one year of full-time university study) in English at a recognised institution.

2. For postgraduate study, show that you have successfully completed tertiary studies in which the language of the institution and of instruction, examination and assessment was English. You need to have completed these tertiary studies no more than five years before the date of application. For some courses, there may be additional requirements, including completion of studies within a shorter time frame.

3. Complete an accepted English proficiency test with results that meet the minimum entry requirements for your course. English language test scores are valid for two years.

Accepted tests are the:

- IELTS (International English Language Testing System)
- TOEFL iBT (Test of English as a Foreign Language: internet based)
- Pearsons Test of English (PTE)
- Cambridge English Scale scores for Cambridge English: Advanced (CAE) and Cambridge English: Proficiency (CPE)

4. Complete an approved English course at the University of Sydney Centre for English Teaching (CET), with results that meet the admission criteria for your course. For more information, see pages 130 to 131. You can also package your English language studies with your degree studies. Refer to

- sydney.edu.au/cet/packaging

**English language tests concordance table**

This table will help you to figure out the test score you need to achieve for a number of English language tests. Find out the IELTS score required for your course on pages 46 to 53. Then look up the relevant English test (overall and Individual scores) on the concordance table.

For more information about English language requirements and the concordance table, visit

- sydney.edu.au/study/english-reqs
For entry to some of our courses, we consider more than your academic qualifications. We may ask you to submit a portfolio or attend an interview or audition. The following courses have additional requirements.

### Arts and social sciences

**Sciences Po**

Bachelor of Arts and Bachelor of Economics Sciences Po Dual Degree applicants need to be recent school leavers – transfer applicants are not eligible to apply. In addition to meeting the academic requirements of an accepted Year 12 qualification (or equivalent), you need to submit an online application directly to the University, including a personal statement, curriculum vitae and school reports or transcripts from the past three years. Short-listed applicants will be invited to attend an interview in Sydney or Paris.

For more information about admission criteria, tuition fees and application processes, visit the relevant course page: sydney.edu.au/courses

**Visual arts**

For courses at Sydney College of the Arts, in addition to your academic qualifications you need to submit a portfolio of artwork by the relevant deadlines. We assess this on a broad range of criteria, including your creative thinking, cultural awareness, critical skills, communication skills, potential for skill development, and evidence of resolved ideas. For portfolio guidelines, visit:

- sydney.edu.au/sca

### Business

The following courses require a statement of motivation and a selection interview as part of the application for admission:

- Master of Management
- Master of Management (CEMS)
- Master of Business Administration (Leadership and Enterprise)

For more information visit sydney.edu.au/courses/business

### Education

Applicants to all undergraduate education degrees (except Early Childhood) and Bachelor of Music (Music Education) will be required to complete a brief personal statement. See also the academic requirements on page 124.

Master of Teaching and Master of Social Work (Qualifying) applicants are required to complete and upload a supplementary form and supporting documentation. For more information, visit the relevant course page:

- sydney.edu.au/courses

### Medicine and health

#### Dentistry

**Double Degree Dentistry**

We offer a small number of high school leavers who have achieved outstanding results a place in the Double Degree Dentistry pathway:

- Bachelor of Science/Doctor of Dental Medicine.

Entry into the Double Degree Dentistry degree is based on:

- very high results in your senior secondary qualification (expected to be the equivalent of an ATAR of 99.5 or higher)
- satisfactory performance in an assessment process comprised of a written assessment and a panel discussion.

Applicants are only eligible for admission to the first available course intake following receipt of final results. Find out more:

- sydney.edu.au/dentistry/dddp

There are separate requirements for progression to the Doctor of Dental Medicine component of the double degree. For details visit the course page.

- sydney.edu.au/courses

#### Bachelor of Oral Health

Entry to our Bachelor of Oral Health is based on your academic qualifications and performance in Multiple Mini-Interviews (MMI), a series of short interviews in which applicants move between interview stations. For more information and application timelines, visit

- sydney.edu.au/dentistry/oral-health
Doctor of Dental Medicine
This is a graduate-entry program, available to applicants who already have a bachelor’s degree. Make sure you start the application process at least 12 months before the course begins.

In addition to your bachelor’s degree, as an international applicant you need to submit results for the Graduate Australian Medical School Admissions Test (GAMSAT), the Medical College Admission Test (MCAT), US Dental Admissions Test (DAT) or the Canadian Dental Aptitude Test (CDAT). You also need to complete Multiple Mini-Interviews (MMIs) and a biology prerequisite.

− sydney.edu.au/dentistry/study/dentistry/apply.php

Music
To apply to study at the Sydney Conservatorium of Music, you will need to meet the academic requirements and complete an audition (or portfolio) and/or interview by the relevant deadlines. An audition fee applies and you may then be invited to an audition and/or interview.

For Bachelor of Music (Music Education) also refer to Education requirements.

− sydney.edu.au/music

Veterinary medicine
Bachelor of Veterinary Biology and Doctor of Veterinary Medicine combined degree
In addition to meeting academic requirements, you need to have relevant work experience in animal handling, which should be confirmed on the ‘Commitment to Veterinary Science’ form.

− sydney.edu.au/vetscience

Separate requirements apply for progression to the Doctor of Veterinary Medicine component of the combined degree. See:

− sydney.edu.au/handbooks/science

Doctor of Veterinary Medicine
In addition to meeting academic requirements, you are expected to have successfully completed the prerequisite units, and confirm that you have gained a minimum of 28 days of relevant work experience and animal handling experience through the Doctor of Veterinary Medicine Admission Statement.

− sydney.edu.au/courses/doctor-of-veterinary-medicine

Music
To apply to study at the Sydney Conservatorium of Music, you will need to meet the academic requirements and complete an audition (or portfolio) and/or interview by the relevant deadlines. An audition fee applies and you may then be invited to an audition and/or interview.

For Bachelor of Music (Music Education) also refer to Education requirements.

− sydney.edu.au/music

Veterinary medicine
Bachelor of Veterinary Biology and Doctor of Veterinary Medicine combined degree
In addition to meeting academic requirements, you need to have relevant work experience in animal handling, which should be confirmed on the ‘Commitment to Veterinary Science’ form.

− sydney.edu.au/vetscience

Separate requirements apply for progression to the Doctor of Veterinary Medicine component of the combined degree. See:

− sydney.edu.au/handbooks/science

Doctor of Veterinary Medicine
In addition to meeting academic requirements, you are expected to have successfully completed the prerequisite units, and confirm that you have gained a minimum of 28 days of relevant work experience and animal handling experience through the Doctor of Veterinary Medicine Admission Statement.

− sydney.edu.au/courses/doctor-of-veterinary-medicine

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To apply to study at the Sydney Conservatorium of Music, you will need to meet the academic requirements and complete an audition (or portfolio) and/or interview by the relevant deadlines. An audition fee applies and you may then be invited to an audition and/or interview.

For Bachelor of Music (Music Education) also refer to Education requirements.

− sydney.edu.au/music

Veterinary medicine
Bachelor of Veterinary Biology and Doctor of Veterinary Medicine combined degree
In addition to meeting academic requirements, you need to have relevant work experience in animal handling, which should be confirmed on the ‘Commitment to Veterinary Science’ form.

− sydney.edu.au/vetscience

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In addition to meeting academic requirements, you are expected to have successfully completed the prerequisite units, and confirm that you have gained a minimum of 28 days of relevant work experience and animal handling experience through the Doctor of Veterinary Medicine Admission Statement.

− sydney.edu.au/courses/doctor-of-veterinary-medicine
FEES AND COSTS

As an international student, your budget will need to cover tuition fees, course-related expenses, and living costs including health insurance.

Tuition fees

Tuition fees vary between courses and the year in which you study. Look up your course in this guide (pages 60 to 117) to see the indicative tuition fees for Year 1, for study beginning in 2019.

Tuition fees in this guide are:
- quoted in Australian dollars
- based on a full-time student enrolment load of 48 credit points per year, or 1.0 Equivalent Full-Time Student Load (1.0 EFTSL) unless otherwise indicated; if your study load for the year is more or less than 1.0 EFTSL, your tuition fee will differ
- exclusive of the cost of textbooks, additional course costs, health insurance or living expenses such as food, accommodation and transport
- exclusive of the Student Services and Amenities fee (SSA fee), which was introduced by the Australian Government to fund services and support programs at universities.

Tuition fee for courses less than 1.0 EFTSL
For courses that are less than 48 credit points per year (1.0 EFTSL), such as a graduate certificate and some graduate diplomas, our course tables show the tuition fee based on the credit points required to complete the course, along with the credit points against the tuition fee.

Annual increase
Tuition fees are subject to an annual review (and indexation, when required) by the University and will increase for each year of your study, effective at the beginning of each calendar year.

Estimating the total tuition fee
For courses that are longer than one year, we are unable to provide you with a precise indication of tuition fees beyond your year 1 2019 tuition fee. Tuition fees increase annually, and your fees will be higher in future years. Tuition fees are published annually on our website. Please check your course here each year to confirm your tuition fee.
- sydney.edu.au/courses

Additional costs
On top of tuition fees, you should budget for:
- additional course costs – some costs are substantial including but not limited to: faculty-specific materials and textbooks, tools, protective clothing, and equipment. For more information, visit: sydney.edu.au/additional-course-costs
- Student Services and Amenities fee (SSA fee) of up to A$298 (2018 rate indexed annually for the duration of your course) as an initiative to increase student support and services in Australian universities: sydney.edu.au/ssa-fee
- health insurance through the Overseas Student Health Cover scheme (OSHC). This is an Australian Government requirement for student visa holders: sydney.edu.au/study/oshc
- education expenses for students’ children: www.schools.nsw.edu.au/international
- living expenses such as food and rent: sydney.edu.au/study/living-costs

Payment methods
There are several ways you can pay the fees that apply to your study. A surcharge of 1.53 percent will apply for payments made by Visa or Mastercard. The surcharge is subject to review and may change. Find out more about payment methods, including refund procedures and policies: sydney.edu.au/study/paying-your-fees
A number of scholarships and student loans are specifically designed for international students.

**Postgraduate research scholarships**
Many students apply for a scholarship and a place in a research degree at the same time. Research Training Program International Scholarships, funded by the Australian Government, cover tuition fees, Overseas Student Health Cover, relocation costs and a living allowance to high-achieving international postgraduate research students.

The University provides additional international scholarships to allow high-achieving students to undertake research projects at the University. They may cover tuition fees and provide a living allowance for up to three years, with the possibility of an extension up to six months for PhD students.

- sydney.edu.au/scholarships/research

**Australia Awards**
Australian Government scholarships are open to students from countries that have a development partnership with Australia. They cover full tuition fees and a living allowance. The University of Sydney attracts Australia Awards scholars of the highest academic calibre.

- sydney.edu.au/study/australia-awards

**University scholarships**
The Vice-Chancellor’s International Scholarship provides up to A$40,000 and is awarded to international students based on academic merit.

**More information**
You can find detailed information about scholarships at:
- sydney.edu.au/scholarships/international

**International student loans**
As an international student, you may be eligible for student loans or benefits from your home government.

The University of Sydney administers United States Federal Student Aid (FAFSA) and funding from private United States lenders.

The University is also accredited to administer benefits from the United States Department of Veteran Affairs.

Canadian citizens may also claim tuition fee tax credits, and assistance is provided with loan administration. In addition, Lånekassen and Centrala Studiestödsnämnden (CSN) loan support is provided to Norwegian and Swedish citizens.

- sydney.edu.au/study/int-loans

**Other options**
We encourage you to look for funding from sources outside the University. For example, you may be able to apply for scholarships from companies or universities in your home country.

“I am really thankful for my scholarship as it has allowed me to attend many international conferences and conduct a three-month research visit to Nanyang Technological University in Singapore. On completing my candidature, I will miss the research environment and all the lovely Australian people and friends I’ve made.”

**Dipesh Khanal**
Doctor of Philosophy (Pharmacy)
Australia Awards Scholar
Home Country: Nepal
4-2-1 learning model
To help prepare you for an increasingly globalised and connected world, we have developed the 4:2:1 learning model, which involves:
- 4 hours in class – engage in an innovative learning experience and develop interactive language skills
- 2 hours personalised online learning – join the CET online learning community and achieve your study goals using our online modules
- 1 hour engagement – develop language skills outside the classroom. Join CET’s co-curricular activities and earn rewards on our student app, CET Connect.

Co-curricular activities
Inside and outside the classroom you can transform your life through meaningful intercultural engagement and a great range of free co-curricular activities, including:
- CET Connect activities program
- student engagement weekly workshops
- CET Leaders Network
- monthly social calendar
- University of Sydney Union (USU) Access Card.*

Academic support
We provide extra support to help you progress throughout your academic program. This includes:
- weekly workshops
- personalised feedback
- advice on transition to university
- online courses
- online self-study resources.

Wellbeing
Student wellbeing is important and we offer comprehensive counselling and student welcome services – all free of charge and easy to access. These include:
- student welcome services
- interactive services map
- CET concierge support
- CET counselling services.

Study at university
If you want to study at university, we have four courses you can enrol in:

Direct Entry Course (DEC)
- CRICOS code 083314F
  - 36 weeks: A$19,800
  - 25 weeks: A$13,750
  - 15 weeks: A$8250
  - 10 weeks: A$5500
  - 5 weeks: A$2750

Developed in consultation with University faculties, this enabling course is for students who have a conditional offer at the University of Sydney. It is a customised, quality-assured program targeting your English and academic skills needed for studying at an Australian university. For course start dates and English requirements for DEC, visit
- sydney.edu.au/cet/university-english-pathways
Graduate Academic Skills (GAS) – A$2550 CRICOS code 083314F
This course is for students who have an unconditional offer for study at university. It is a high-level academic skills course that provides an introduction to the expectations and values of academic culture in an Australian university.

Intensive Test Preparation (ITP) – A$450 per week
CRICOS code 085557D
This is a test preparation program that enables you to reach your career, study or migration goals.

Communicate across cultures
We offer two programs to help you improve your communication skills in English and gain confidence interacting in social and professional contexts globally:

Global English (GE) – A$450 per week
CRICOS code 086060K
GE is a new course that builds communication and employability skills, and helps you develop confidence for successful social and professional communication in Australia and abroad.

Customised Summer and Winter programs**
These are tailor-made programs for groups of students who are looking to improve their language skills and intercultural awareness during the summer or winter holidays.

Develop professionally
At CET we offer a range of professional development programs for English language teachers, university lecturers and professional staff.

English Language Teaching (ELT) Teacher Training**
This course covers the latest theory and provides the practical experience needed to teach English.

English for Academic Purposes (EAP) Teacher Training**
This is a professional development program that develops knowledge and skills in the specialised area of English for Academic Purposes.

Occupational English Test (OET) Preparation Course – A$900
This is a training program for healthcare students and professionals who want to register and practise in an English-speaking country.

Learn online
At CET we have created a series of online modules to help your language learning process as well as your critical thinking, communication and problem-solving skill development.

University Heroes App
This free app allows you to test your English language levels while fighting global monsters.

Academic Skills for University Success Specialisation – Coursera membership fees apply
This is a series of five Massive Open Online Courses (MOOCs) that provide an introduction to academic culture and prepare students for study at an English-medium university.

All of our courses are taught by highly qualified instructors who have extensive experience teaching English at universities, in Australia and internationally.

The fees listed above are for 2018 course commencement only, exclude administration and materials fees, and are subject to change. At the time of publication a precise indication of 2019 fees cannot be provided.

Please refer to the CET website for more information:
− sydney.edu.au/cet

“During the GE course we learned the basics as well as the most complex structures in English to communicate in real life. I gained confidence to go outside the classroom and express myself in the Australian workforce.”

Evelyn Herrera Avina
Global English
Home country: Mexico
#myCETstory

* Available for Direct Entry Course students
** Price on application (POA)
These preparation programs are pathways that provide a strong academic foundation to progress to university study.

These enabling courses, which are conducted by Taylors College on behalf of Study Group Australia and the University of Sydney, provide a pathway to university study if you do not have the qualifications or grades to gain direct admission to a course. You will be eligible to apply for our courses after completing the program.

What are the advantages?
These enabling courses ensure you achieve the strong academic foundation needed to enter the University of Sydney. Its advantages include:

− Security
An offer of a place at the University if you successfully complete the program and meet the requirements of your chosen course. Some courses have a limited number of places available. Admission to these courses can only be guaranteed while places are still available and where the course is being offered.

− Relevance
A program designed by the University which includes subjects that prepare you for your degree, and any other subjects of wider interest to you.

− Quality assurance
The University oversees the setting and moderation of all examinations, so you are assured of the highest quality assessment.

− Academic and personal support
Taylors College staff will assist you with settling into life in Australia, and support you to achieve your academic goals. Each intake has student advisers who are available to help you with academic or personal issues. There are also careers advisers, welfare counsellors, nurses and first aid officers on site to care for your health and wellbeing.

The University of Sydney Foundation Program
This program is available in intensive, standard or extended formats. This means you can complete your course in as little as 30 weeks or up to 59 weeks, depending on your ability. Intakes include:

− 59-week extended program (commencing in February and August): A$43,220
− 40-week standard program (commencing in February and July): A$33,150
− 30-week intensive program (commencing in April and October): A$33,150.

For more information, visit
− sydney.edu.au/foundationprogram

High Achievers Preparation Program (HAPP)
This is an 18-week enabling course designed for high achieving students who have excellent academic results and English skills. If you just missed out on direct entry to the University, this program will fast-track you into the first year of a bachelor’s degree at the University within five months. Our dedicated mentoring program will keep you on track for success.

The program is available only for certain international qualifications. For more information, visit
− taylorssydney.edu.au/programs/the-high-achievers-preparation-program

Intakes for this course include:
− 18-week HAPP program (commencing February and September): A$23,500

The fees listed above are for 2018 course commencement only and are subject to change. At the time of publication, a precise indication of the 2019 fees cannot be provided. For more information, visit:
− www.taylorssydney.edu.au/how-to-apply/fees
Advanced coursework
Advanced coursework is undertaken in the fourth year of the Bachelor of Advanced Studies. It provides you with further experience and knowledge of your field to better prepare you for your career.

Assumed knowledge
For some courses or units of study, we assume you have reached a certain level of knowledge or have passed a relevant subject – this is called assumed knowledge. It often refers to a New South Wales Higher School Certificate (HSC) subject, but equivalent subjects in other recognised Year 12 qualifications will be accepted (see also ‘prerequisite’).

For a guide to the standard required in other Year 12 qualifications, refer to the syllabus of HSC subjects:
- www.boardofstudies.nsw.edu.au/syllabus_hsc

Australian Tertiary Admission Rank (ATAR)
The ATAR is a ranking between 0 and 99.95 that is allocated to all students who complete an Australian Year 12 (secondary school) qualification. It is a measure of the student’s overall academic achievement relative to other students who have undertaken an Australian Year 12 qualification. If you have completed another recognised secondary qualification your results will be translated to an ATAR equivalent to determine whether you have met the standard required for admission.

Combined degrees
When you complete degrees from two different faculties or schools side by side. For example, if you complete a combined Arts/Laws course, you will be awarded a Bachelor of Arts and a Bachelor of Laws. You can complete two degrees in less time than if you studied the two degrees separately.

Core unit
A compulsory unit of study that you need to complete to be awarded a particular degree.

Credit for previous study
The recognition of previous studies, either at the University of Sydney or another institution that can be granted as specific or non-specific credit towards your current course. Credit for previous study is also called ‘advanced standing’ or ‘transfer credit’.

Credit point
A credit point is the value that each unit of study (single subject) contributes towards the completion of your course. Most units of study are worth six credit points.

CRICOS
The Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS) is the official register of all Australian education providers and the courses available to international students who wish to study here on an Australian student visa.
- cricos.education.gov.au

Dalyell Scholars
For high-achieving students with an ATAR (or equivalent) of 98+, Dalyell Scholars have access to a range of enrichment opportunities that will challenge you alongside your most promising and talented peers.

Degree
The name for the overall course that you are enrolled in (such as Bachelor of Arts).

Domestic student
You are considered a domestic student if you are:
- an Australian or New Zealand citizen (including dual citizens)
- a permanent resident of Australia
- a holder of a permanent Australian humanitarian visa.

Double degrees
When you complete two separate qualifications in succession. In these programs you commence in one degree then transfer to the second degree to complete the remainder of your studies (if you meet certain criteria). For example, you can undertake an undergraduate degree followed by a specific postgraduate program, such as the Bachelor of Science and Master of Nutrition and Dietetics.

Elective unit
An elective unit of study is one that can be taken outside of a major or minor. Electives allow you to explore interests outside of your primary field(s) of study.

Enabling course
A course of instruction that enables a person to undertake a course leading to a higher education award. An enabling course is designed to provide students with the skills needed for success in further study and to assist in the transition to tertiary education (eg, courses in study techniques or English language skills).

Enrolment
The process that secures your place in a course at the University. It includes accepting the University’s conditions of being a student and selecting units of study for the coming semester or year.
Graduate-entry course
A bachelor’s (undergraduate) degree that requires you to have completed another undergraduate degree first, as a prerequisite for entry.

Honours
Some degrees may be completed with honours. Honours differs depending on the degree, and usually involves:
- the completion of a large project and some advanced-level coursework
- additional work in the later years of the course, or
- high-level achievement over all years of the course.

International student
You are considered an international student if you are not an Australian or New Zealand citizen (or a dual citizen of Australia or New Zealand and another country), a permanent resident of Australia or a holder of a permanent Australian humanitarian visa. To enrol at university, international students need to hold an appropriate visa that allows them to study in Australia.

Major
A major is a defined sequence of units of study that deepens your experience in a field of study. Majors are recorded on your academic transcript; requirements for majors are outlined in your handbook.

Minor
A minor is a defined sequence of units of study that develops your expertise in a field of study. All liberal studies degrees (Bachelor of Arts, Bachelor of Science, Bachelor of Commerce) and the specialist degree Bachelor of Economics now require you to complete a minor or a second major.

Open Learning Environment
The Open Learning Environment provides subjects – online modules and workshop–supported courses – that you can complete at your own convenience and supplement with workshops and master classes.

Depending on your degree, you may be able to earn credit points for these subjects.

Orientation
Orientation sessions held before the start of each semester give you essential and valuable information about University services and resources, as well as opportunities to meet students and staff, enjoy social activities and discover student organisations and sporting facilities.

Postgraduate degree
A postgraduate degree course leading to the award of a graduate certificate, graduate diploma, a master’s degree or doctorate. A postgraduate award usually requires previous completion of a relevant undergraduate (bachelor’s) degree or diploma.

Prerequisite
Course prerequisite is a subject you need to have completed at the required standard to be eligible for admission to a course.

Unit of study prerequisite is a unit of study that you need to have completed before you can enrol in a specific unit that requires prior knowledge.

Program
A combination of units of study that develops expertise across several disciplines or a professional or specialist field. It includes at least one recognised major in a field of study.

Semester
A semester is the academic teaching period; about 16 weeks in duration. There are two semesters each year and they usually run from late February to June, and August to November.

Stream
A stream is a version of a course that you apply for separately, but is linked to a common or parent course by components and rules. You need to complete a core program of study in addition to a set of units of study for that particular stream, which appears on your testamur with the award course name. For example, Bachelor of Arts/Bachelor of Advanced Studies (International and Global Studies). Find out more about course rules at
- sydney.edu.au/handbooks

Undergraduate
The term used to describe a course leading to a diploma or bachelor’s degree. It is also used to describe a student enrolled in such an award, eg, ‘undergraduate student’.

Undergraduate degree
An undergraduate degree is your first degree, usually after finishing high school. It can be a diploma or a bachelor’s degree.

Unit of study
This is an individual subject that you study as part of your degree. It is the smallest stand-alone component of a course that can be recorded on your academic transcript. For information about course rules and unit of study requirements, visit:
- sydney.edu.au/handbooks

Universities Admissions Centre (UAC)
UAC receives and processes applications for admission to undergraduate courses at recognised universities in New South Wales (NSW) and the Australian Capital Territory (ACT).

Most domestic and certain international undergraduate students apply through UAC. For more information visit
- sydney.edu.au/study/how-to-apply

For a full glossary of frequently used terms, visit
- sydney.edu.au/glossary
Explore our 360° tour online and see our campus through a student’s eyes.

Our interactive tour lets you look inside our historic Quadrangle, explore the futuristic Charles Perkins Centre and get a glimpse of what student life is really like.

sydney.edu.au/tour
Your journey to university is as unique as you are.

At the University of Sydney, you have the opportunity to create your own path. You can customise your course and get involved in extracurricular activities to personalise your uni experience.

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