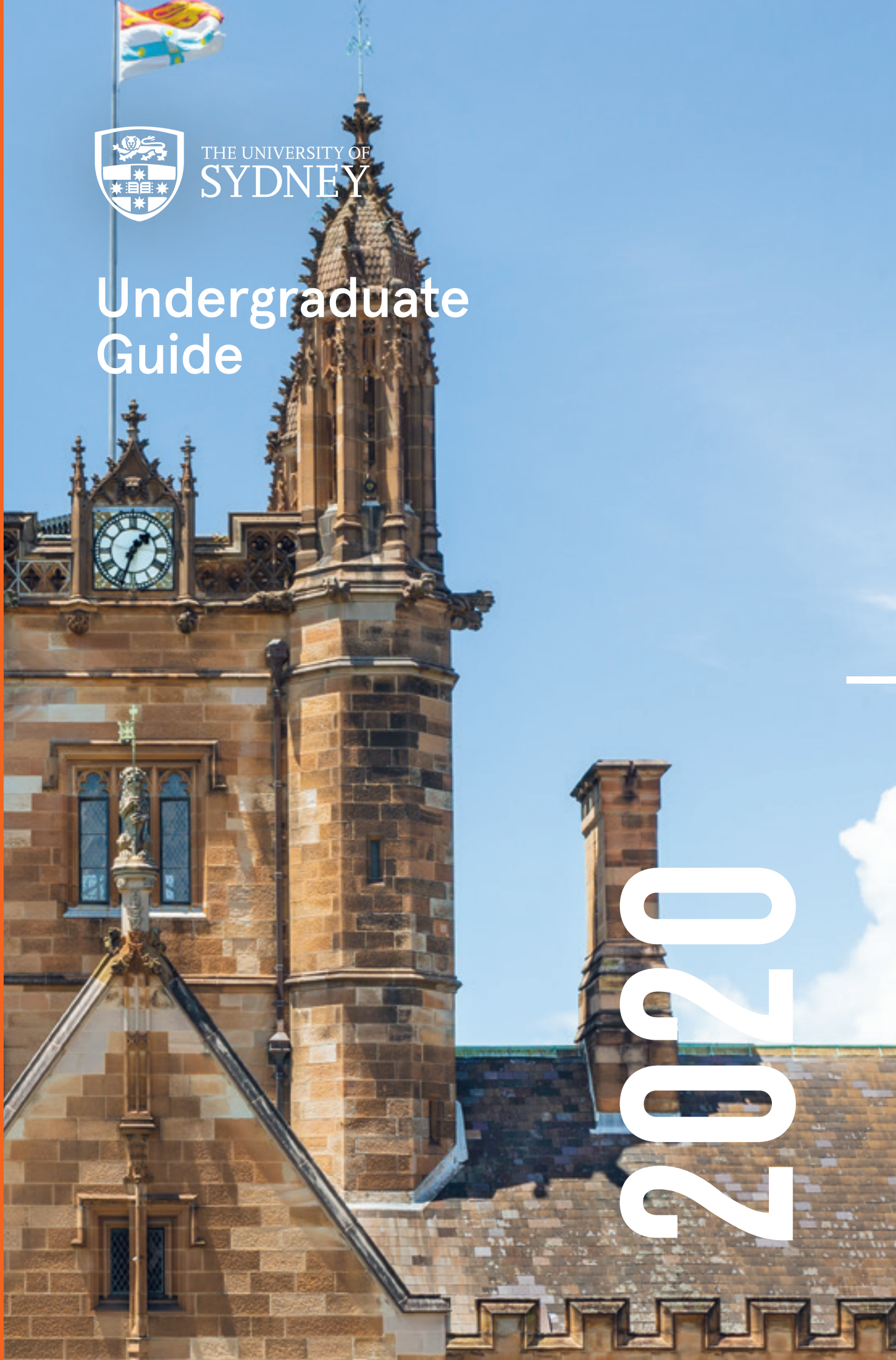

THE UNIVERSITY OF
SYDNEY
Undergraduate
Guide
2020

“We help grow the minds of students who go on to change the world as leaders and innovators in their fields.”

Dr Michael Spence AC
Vice-Chancellor and Principal

START YOUR JOURNEY

2020

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.

WELCOME TO SYDNEY

Join us

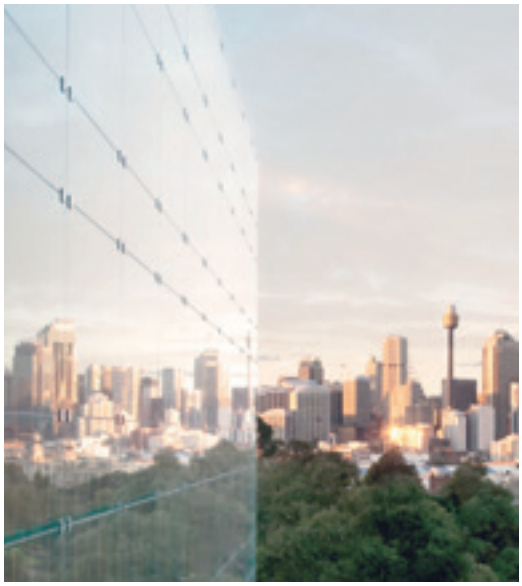
Discover why our graduates are ranked first in Australia and fifth in the world for graduate employability.*

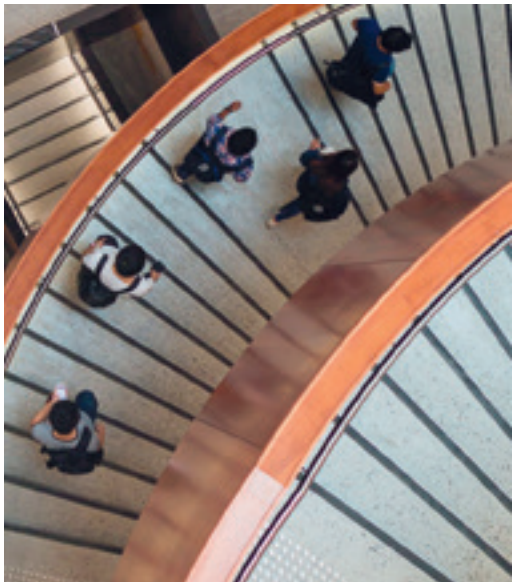
–

Areas of study

With 400+ study areas available, discover what our world-class faculties and schools have to offer.

–





* QS Graduate Employability Rankings, 2019

Courses A–Z

A full list of our course offerings, including the ATAR or IB you need to achieve for admission.

–

How to apply

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

–

IMPORTANT EVENTS AND DATES

2019

Open Day
31 August 2019
sydney.edu.au/open-day

Info Day
December 2019
sydney.edu.au/info-day

2020

Welcome Week
17–21 February 2020

Lectures begin
24 February 2020

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

WHY CHOOSE SYDNEY?

We aim to instil the skills, knowledge and values you need to become a leader in a rapidly changing world. You can choose from our range of professional, specialist, liberal studies, and combined and double degrees.

1st
in Australia and ranked 5th in the world for graduate employability*

Top 50
in world university rankings**

* QS Graduate Employability Rankings, 2019
** QS World University Rankings, 2019

100+
majors and minors to combine your interests across disciplines

200+
clubs and societies to enrich your student experience

250+
international partners to combine study and travel

$84 million
in scholarships offered to our students every year

320,000
alumni to connect you with a worldwide network

400+
study areas to design the right degree for you

THE SYDNEY UNDERGRADUATE EXPERIENCE

We offer a new level of flexibility in our undergraduate degrees 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:

Choose the right study path for you
Gain expertise in your primary field of study and learn from industry leaders by choosing from our range of professional, specialist, liberal studies, and combined and double degrees. See pages 6 to 9.

Design your own degree with the Bachelor of Advanced Studies
The Bachelor of Advanced Studies gives you the flexibility to design your own degree, from advanced coursework to major projects. See pages 10 and 11.

Become a Dalyell Scholar and extend your academic abilities
As a Dalyell Scholar, you will have access to a range of enrichment opportunities. See pages 12 and 13.

Follow your interests. All of them.
Combine your interests with more than 100 study areas in a shared pool of majors and minors. This means you can sharpen your broader skills (eg, communication, critical thinking and problem-solving) and acquire multidisciplinary expertise in a second field that sits outside your primary degree. See pages 14 and 15.

Explore other fields of study in the Open Learning Environment (OLE)
Build diverse skill combinations and boost your personal and professional development with our short, on-demand OLE units. See page 16.

Work on real-world projects and tackle complex global challenges
Deepen your expertise and develop skills in interdisciplinary collaboration through real-world industry, community, entrepreneurship and research projects. See page 17.

Gain international experience
Our placement and exchange opportunities will set you up for a global career as you develop the capability and confidence to work across cultural boundaries, in Australia and around the world. See pages 18 and 19.

sydney.edu.au/ug-experience

A DEGREE DESIGNED FOR YOU

Whether you've had your career path mapped out since childhood or you're convinced that your dream job doesn't exist yet, one of our degree types – 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, which are 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 computer science; health sciences (for example: diagnostic radiography, physiotherapy and speech pathology); law; medicine; music (education); nursing; nutrition and dietetics; pharmacy; project management; psychology; and veterinary medicine.

"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."

Ada Yin
Study areas: business information systems; finance; economics

"The University of Sydney offers some of the best opportunities both in and out of the classroom. I have access to many professional and social clubs and societies which have helped with the transition from high school to university.

Being a student here is about so much more than just studying. The on-campus life means there's never a boring day – a familiar and friendly face is around every corner."

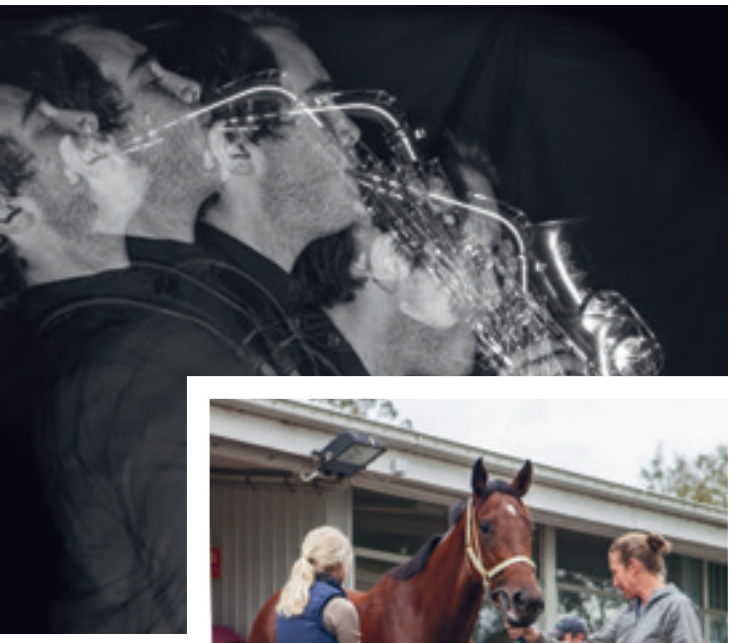
Adam Herman
Study areas: law; media studies

Combined and double professional degrees

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

- Cultivate a diverse skill set 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 a liberal studies or specialist degree, or another professional degree (see pages 8 and 9) to develop expert knowledge and effectiveness in a given field or profession.
- Degree examples include combined engineering; combined law; double degree dentistry and medicine; nursing; nutrition and dietetics; veterinary medicine; and the Bachelor of Design in Architecture (Honours)/Master of Architecture.

See pages 48 and 49 to find a list of professional degrees, including combined and double degrees.



"I will be travelling to Cambodia to work with the Phnom Penh Animal Welfare Society. I'll be doing one of my final year rotations in their clinic assisting the vets there to care for animals that have been rescued by monks and local people.

It's amazing how with this degree I can travel the world and do these amazing things. I've spent weeks on a sheep farm near Tamworth, milked goats in Nowra and helped clean horses' teeth in Moruya."

Liam Douglas
Study area: veterinary medicine

Specialist degrees

Know where you want to start your career? A specialist degree might be for you.

- Study a set of defined fields that develop 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, and 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.
- Degrees include the Bachelor of Design Computing/Bachelor of Advanced Studies, Bachelor of Economics/Bachelor of Advanced Studies, and Bachelor of Visual Arts/Bachelor of Advanced Studies.

See pages 48 and 49 for a list of specialist and combined 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."

Denzel Florez
Study areas: mathematics; financial mathematics and statistics

"We live in a technology-driven world and with the rapid progression of innovation, new issues that are unprecedented are coming into existence; from AI to the rise of environmental refugees. This is where the intersection of law and engineering will become increasingly important in the future. I wanted to take two disciplines I knew I was passionate about and equip myself to face the exciting and uncertain opportunities ahead."

Rameen Malik
Study areas: engineering; law

Liberal studies degrees

A liberal studies degree is ideal if you want to follow your interests and study 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; and 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, languages, media and communications, medical science, or politics and international relations.

Combined and double liberal studies degrees

Supercharge your liberal studies degree by combining it with the Bachelor of Advanced Studies or enhance your knowledge and skills as you complete 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 Bachelor of Advanced Studies. See pages 10 and 11 for more information.
- Some liberal studies degrees can be taken with professional degrees, enabling you to develop knowledge across disciplines and expertise in a professionally accredited field.

See pages 48 and 49 to find a list of liberal studies degrees, including combined and double degrees.

BACHELOR OF ADVANCED STUDIES

The Bachelor of Advanced Studies gives you the flexibility to design your own degree. Challenge yourself through advanced coursework and a major project, and make the most of exchange and internship opportunities.

The Bachelor of Advanced Studies can be taken in combination with a three-year liberal studies, professional or specialist bachelor's degree, including the Bachelor of Applied Science (Exercise and Sport Science), Bachelor of Arts, Bachelor of Commerce, Bachelor of Design Computing, Bachelor of Economics, Bachelor of Science, and Bachelor of Visual Arts. Over four years, you can:

- 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.

- sydney.edu.au/bachelor-advanced-studies

Bachelor's degree	Degree	Combined Bachelor of Advanced Studies
3 years	Duration	4 years
	Components	
●	Major	● Double major*
●	Minor (or for some courses, a second major)	
●	Open Learning Environment	●
●	Electives	●
●	Exchange (by application)	●
●	Third-year project (per major)	●
	Advanced coursework	●
	Substantial fourth-year project	●
	Honours by application	●

The above table applies to studies in the Bachelor of Applied Science (Exercise and Sport Science), Bachelor of Arts, Bachelor of Commerce, Bachelor of Design Computing, Bachelor of Economics, Bachelor of Science, and Bachelor of Visual Arts.

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

Year	Semester	Units of study			
1	1	Major 1	Core/elective	Core/elective	Major 2
	2	Major 1	Core/elective	Core/elective	Major 2
2	1	Major 1	OLE	Elective	Major 2
	2	Major 1	OLE	Elective	Major 2
3	1	Major 1	Major 1	Major 2	Major 2
	2	Major 1	Major 1	Major 2	Major 2
4	1	Advanced coursework including a research, community, industry or entrepreneurship project or honours coursework and honours project			
	2				

■ Major 1 ■ Major 2 ■ Core/elective □ Elective ■ Open Learning Environment (OLE)
■ Advanced coursework (4000-level units and above)

* A second/double major is not available in Design Computing.
** Please note that all of the course structures in this guide are indicative only and subject to change.

BECOME A DALYELL SCHOLAR

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 talented peers.

As a Dalyell Scholar you will engage in experiences that will extend your academic abilities, develop your leadership capabilities and expand your global network.

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.

To study as a Dalyell Scholar, admission is by UAC preference or invitation, depending on the course (see page 13).

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 in your chosen field and enrichment units outside of your discipline
- access to a specialised Mathematical Sciences (Science) program (optional)
- tailored mentoring and professional skills development
- optional international experiences to develop your global perspective, including access to a $2000 global mobility scholarship.

- sydney.edu.au/dalyell-scholars

* 90+ for Aboriginal and Torres Strait Islander students admitted through Cadigal Program; 95+ for students admitted through the Early Offer Year 12 Scheme (E12), Future Leaders Scheme and Broadway Scheme

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.

Image: Elsie Jean Dalyell. Courtesy of State Records NSW: New South Wales Medical Board; NRS 9873, Photographs of doctors, 1888-1927. [Digital ID 9873_a025_a025000062] Elsie Jean Dalyell, no date

Courses available to Dalyell Scholars by UAC preference

To study as a Dalyell Scholar in the following courses, you will need to apply via UAC preference.

- B Arts/B Advanced Studies (Dalyell Scholars)
  UAC 513222
- B Commerce/ B Advanced Studies (Dalyell Scholars)
  UAC 513310
- B Engineering Honours (Dalyell Scholars)
  UAC 513571
- B Science/B Advanced Studies (Dalyell Scholars including Mathematical Sciences)**
  UAC 513911

Courses available to Dalyell Scholars by invitation

You will be invited to become a Dalyell Scholar if you apply for, and are made an offer to, one of the degrees listed and have achieved an ATAR or equivalent of 98+.*

Architecture, design and planning

- B Design Computing/ B Advanced Studies

Arts and social sciences

- B Arts
- B Arts/B Advanced Studies
- B Arts/B Advanced Studies (International and Global Studies)
- B Arts/B Advanced Studies (Languages)
- B Arts/B Advanced Studies (Media and Communications)
- B Arts/B Advanced Studies (Politics and International Relations)
- B Economics
- B Economics/B Advanced Studies

Business

- B Commerce
- B Commerce/B Advanced Studies

Education and social work

- B Education (Secondary: Humanities and Social Sciences)/B Arts
- B Education (Secondary: Mathematics)/B Science
- B Education (Secondary: Science)/B Science
- B Arts/B Social Work

Engineering and computer science

- B Advanced Computing
- B Advanced Computing/ B Commerce
- B Advanced Computing/ B Science
- B Advanced Computing/ B Science (Health)
- B Advanced Computing/ B Science (Medical Science)
- B Engineering Honours with Space Engineering major
- B Engineering Honours/B Arts
- B Engineering Honours/ B Commerce
- B Engineering Honours (Civil)/B Design in Architecture
- B Engineering Honours/ B Project Management
- B Engineering Honours/ B Science
- B Engineering Honours/ B Science (Health)
- B Engineering Honours/ B Science (Medical Science)

Law

- B Arts/B Laws
- B Commerce/B Laws
- B Economics/B Laws
- B Engineering Honours/B Laws
- B Science/B Laws

Medicine and health

- B Arts/D Medicine
- B Arts/M Nursing
- B Science/D Dental Medicine
- B Science/D Medicine
- B Science/M Nursing
- B Science (Health)/M Nursing

Science

- B Psychology
- B Science
- B Science (Health)
- B Science (Medical Science)
- B Science/B Advanced Studies
- B Science/B Advanced Studies (Advanced)
- B Science/B Advanced Studies (Agriculture)
- B Science/B Advanced Studies (Animal and Veterinary Bioscience)
- B Science/B Advanced Studies (Food and Agribusiness)
- B Science/B Advanced Studies (Health)
- B Science/B Advanced Studies (Medical Science)
- B Science/B Advanced Studies (Taronga Wildlife Conservation)
- B Science/M Mathematical Sciences
- B Science/M Nutrition and Dietetics

Note: courses may change.
B = 'Bachelor of', M = 'Master of', D = 'Doctor of'
* 90+ for Aboriginal and Torres Strait Islander students admitted through Cadigal Program
95+ for students admitted through the Early Offer Year 12 Scheme (E12)
95+ for students admitted through Future Leaders Scheme and Broadway Scheme (excluding double degree medicine and dentistry)
** The Mathematical Sciences program is available in this course.

FOLLOW YOUR INTERESTS. ALL OF THEM.

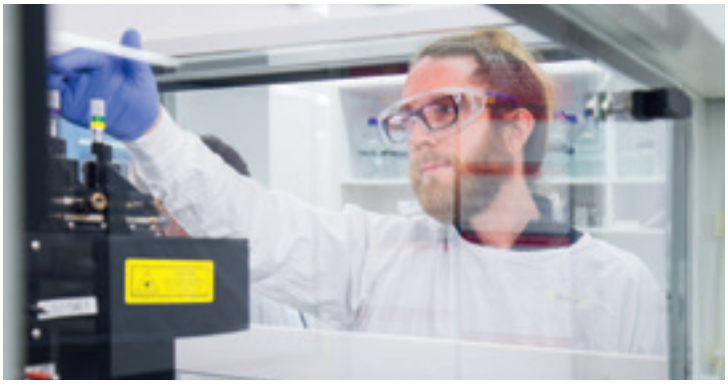
With more than 100 options to choose from, the shared pool of majors and minors allows you to explore a wide range of study areas within your degree.

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

For example, enjoy studying science while continuing 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 to all students studying one of the following degrees:

- Bachelor of Advanced Computing
- Bachelor of Applied Science (Exercise and Sport Science)
- Bachelor of Arts
- Bachelor of Commerce
- Bachelor of Economics
- Bachelor of Music
- Bachelor of Project Management
- Bachelor of Psychology (minor only)
- Bachelor of Science
- Bachelor of Visual Arts
- All combined Bachelor of Advanced Studies degrees, including the combined Bachelor of Design Computing.



Shared pool of majors and minors

Combine your primary major with a major or minor in one of the areas below.

Architecture, design and planning

- Biological Design
- Design

Arts and social sciences

- American Studies
- Ancient Greek
- Ancient History
- Anthropology
- Arabic Language and Cultures
- Archaeology
- Art History
- Asian Studies
- Australian Literature*
- Biblical Studies and Classical Hebrew
- Celtic Studies*
- Chinese Studies
- Criminology
- Cultural Studies
- Digital Cultures
- Diversity Studies*
- Economic Policy#
- Economics
- Econometrics
- English
- Environmental, Agricultural and Resource Economics
- 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*
- Social Policy*
- Socio-legal Studies
- Sociology
- Spanish and Latin American Studies
- Studies in Religion
- Theatre and Performance Studies
- Visual Arts
- Writing Studies*

Business

- Accounting
- Banking**
- Business Analytics
- Business Information Systems
- Business Law
- Finance**
- Industrial Relations and Human Resource Management
- International Business
- Management
- Marketing

Education and social work

- Education

Engineering and computer science

- Computer Science
- Information Systems
- Project Management
- Software Development

Medicine and health

- Anatomy and Histology
- Applied Medical Science
- Disability and Participation
- Health
- Hearing and Speech
- Immunology*
- Immunology and Pathology**
- Infectious Diseases
- Neuroscience
- Pathology*
- Pharmacology
- Physical Activity and Health
- Physiology

Music

- Music

Science

- Animal Health, Disease and Welfare
- Animal Production
- Biochemistry and Molecular Biology
- Biology
- Cell and Developmental Biology
- Chemistry
- Data Science
- Ecology and Evolutionary Biology**
- Environmental Studies
- Financial Mathematics and Statistics
- Food Science
- Genetics and Genomics
- Geography
- Geology and Geophysics
- History and Philosophy of Science
- Marine Science
- Mathematics
- Medicinal Chemistry
- Microbiology
- Nutrition Science
- Physics
- Plant Production
- Plant Science*
- Psychological Science
- Quantitative Life Sciences
- Soil Science and Hydrology
- Statistics
- Virology*
- Wildlife Conservation*

* Available as a minor only
** Available as a major only
# Not available for Bachelor of Economics students

BROADEN YOUR SKILLS

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

Combining online learning with workshops and masterclasses, the Open Learning Environment (OLE) is a collection of units that offers you the opportunity to broaden your skill set and extend your knowledge by exploring other fields of study.

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
- Community engagement for change
- Digital influence through social media
- Experience China
- Student leadership: peer mentoring
- Presentation skills: speaking in class
- The science of health and wellbeing
- Understanding web skeletons and skins.

sydney.edu.au/students/ole-units

TACKLE REAL-WORLD ISSUES

Collaborate with businesses, community organisations and government bodies on interdisciplinary projects that will develop your networks and deepen your critical thinking, problem-solving and communication skills.

A snapshot of our 2019 projects

Projects are open to third and fourth-year students who meet the eligibility criteria.

ANZ Bank – digital disruption
This project looks at technological opportunities for collaboration across institutional banking. You may consider things like open banking, artificial intelligence, cyber security, ecosystem creation or blockchain to prevent fraud, minimise risk and help transform businesses.

Blackmores – solutions for obesity
This project investigates the various tools and technologies that have been developed over the last 5–10 years and looks at an effective weight loss solution that overcomes some of the limitations currently offered. You will look at key issues of obesity – emotions, behaviour, appetite, unhealthy choices, metabolic disorders and physical activity.

CareerSeekers – settling refugees better
CareerSeekers is a non-profit social enterprise that aims to reconnect asylum seekers and refugees with their preferred careers in Australia. This project helps to highlight the untapped talent sitting in these communities and assesses the social, financial and economic impact in speeding up the resettlement process.

Some of our business partners in 2019

We have partnerships with almost 30 leading organisations, across industry, community and government sectors. These include but are not limited to:

- Airbnb
- AGL
- Blackmores
- Commonwealth Bank
- CSIRO Data61
- NSW Farmers Association
- Public Service Commission
- PwC
- QBE
- Telstra
- Western Sydney Local Health District
- Westmead Precinct and NSW Health (at Westmead)
- Westpac.

We also have partners outside Australia, including two in Hong Kong. Learn more about our 2019 projects and partners:

- sydney.edu.au/students/industry-and-community-projects

"This interdisciplinary experience is a key stepping stone in preparing you for the workplace and gives you an insight into what life is like beyond the doors of the University."

Vincent Giannini
Study area: commerce

SET YOURSELF UP FOR A GLOBAL CAREER

We have the largest student mobility program in Australia.* We've partnered with over **250 universities in more than 40 countries** to give you access to global opportunities that will broaden your horizons.

Our international opportunities will broaden your academic experience and develop confidence and perspective to set you up for a global career.

By 2020 we aim to have 50 percent of our students undertake an international experience as part of their studies, with scholarship funding being made available for at least half of these students.

Develop a global perspective. Opportunities include:

- 131 partner universities that are ranked in the top 200 worldwide**
- short-term (2–6 weeks), 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 London School of Economics

* 'Learning Abroad 2017', Australian Universities International Directors' Forum report, October 2018

** Times Higher Education World University Rankings, 2019

"My exchange at the University of Edinburgh has definitely been a highlight of my university studies. In addition to the life-changing experiences I had in Scotland, studying at another world-class institution has helped strengthen my appreciation for the global nature of science, and the experience helped develop my independence and confidence."

Adam Kaplan
Bachelor of Science (Advanced)
University of Edinburgh

72
partners in North America

37
partners in the United Kingdom and Ireland

121
partners in Europe

7
partners in Latin America

3
partners in the Middle East

55
partners in the Asia-Pacific region

- 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 United States, China, France or Chile during semester breaks.

We offer financial support for your overseas experience through travel scholarships and grants, as well as government funded OS-HELP loans.

Make the most of your time abroad via the Global Citizenship Award – an extracurricular, internationally focused leadership development program. Visit our website to learn more.

Our study abroad and exchange programs

- sydney.edu.au/sydney-abroad

Our exchange scholarships

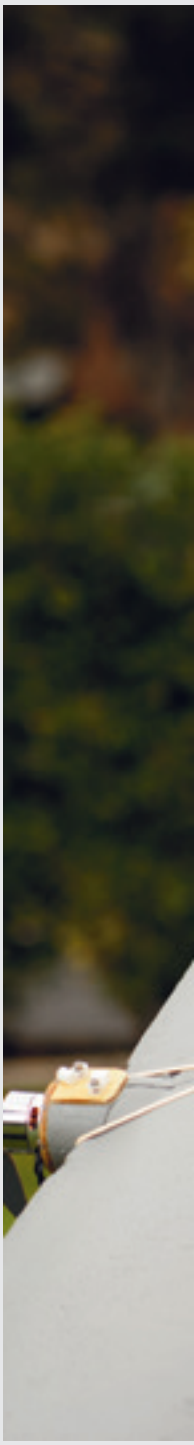
- sydney.edu.au/scholarships/exchange

The Global Citizenship Award

- sydney.edu.au/sydney-abroad/gca

Note: Partner university figures are indicative only. For the most up-to-date list of partner universities, visit sydney.edu.au/study/overseas-exchange

MY SYDNEY EXPERIENCE



"As someone who juggles many interests, Sydney was the clear choice for me to pursue two distinctly different fields of study. I enjoy the challenges of balancing my music studies with my study of theoretical sciences, anatomy and patient care."

Sarah Li
Study areas: music; medicine

"A degree at Sydney prepares you for industry by finding a healthy balance between theory and practical application. These practical skills are highly beneficial when you're building systems that have to work reliably in the real world."

Dr Daniel Wilson
University of Sydney graduate – Bachelor of Engineering Honours (Mechatronic), PhD (Aerospace Engineering). One of Australia's top 50 engineering innovators 2017. Flight Controls Engineer, Vahana – A³ by Airbus

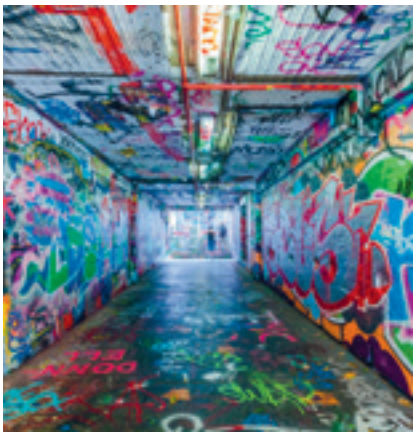
UNIVERSITY LIFE

University is more than what happens in the classroom. With over 200 clubs and societies, including 26 cultural groups, and 130+ nationalities represented on campus, there's something for everyone. Make the most of it.

We have a huge range of facilities, programs and campus events to keep you healthy and active during your time at University. Get involved in athletics, swimming, tennis, soccer, rugby union and more.

To find out more about clubs and societies, visit
– www.usu.edu.au

To find out more about sport and fitness, visit
– www.susf.com.au



STUDENT SUPPORT SERVICES

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.

Aboriginal and Torres Strait Islander support
Admission pathways

Academic enrichment and orientation program

Peer mentor support

Tutorial assistance

Cultural support and safe spaces

Academic enrichment
Bridging courses

Online learning resources

Drop-in support

Mathematics learning support

Academic, language and learning support
Accelerated learning

Transition/bridging courses

Online learning resources

Practical skills workshops

Accommodation
On-campus student housing

Residential colleges

Off-campus living

Thriving communities

Career support
Career advice and development

Employability skills workshops

Meet employers at careers fairs and events

Sydney CareerHub, an online jobs database

Childcare information
Advice about child care on and near campus

Disability services
Assistive technology

Lecture support

Building access and accessible facilities

Academic adjustments

Accessible formatting

Financial support
Bursaries and interest-free loans

Help with essential living costs and study-related expenses

Health and wellbeing
Doctors

Pharmacists

Dentists

Optometrists

Physiotherapists

Psychologists

Mental health
Clinical psychologists and counsellors

Mental health support

Workshops for success

Resilience training

Multifaith chaplaincy
Chaplains from 12 faith groups for on-campus consultations

Dedicated prayer rooms

Orientation and arrival sessions
Welcome to university

Settling into Sydney

Information on support services

Meet fellow students and staff

Adjusting to study life

For more information and to access our student support services, visit **sydney.edu.au/campus-life**

ACCOMMODATION

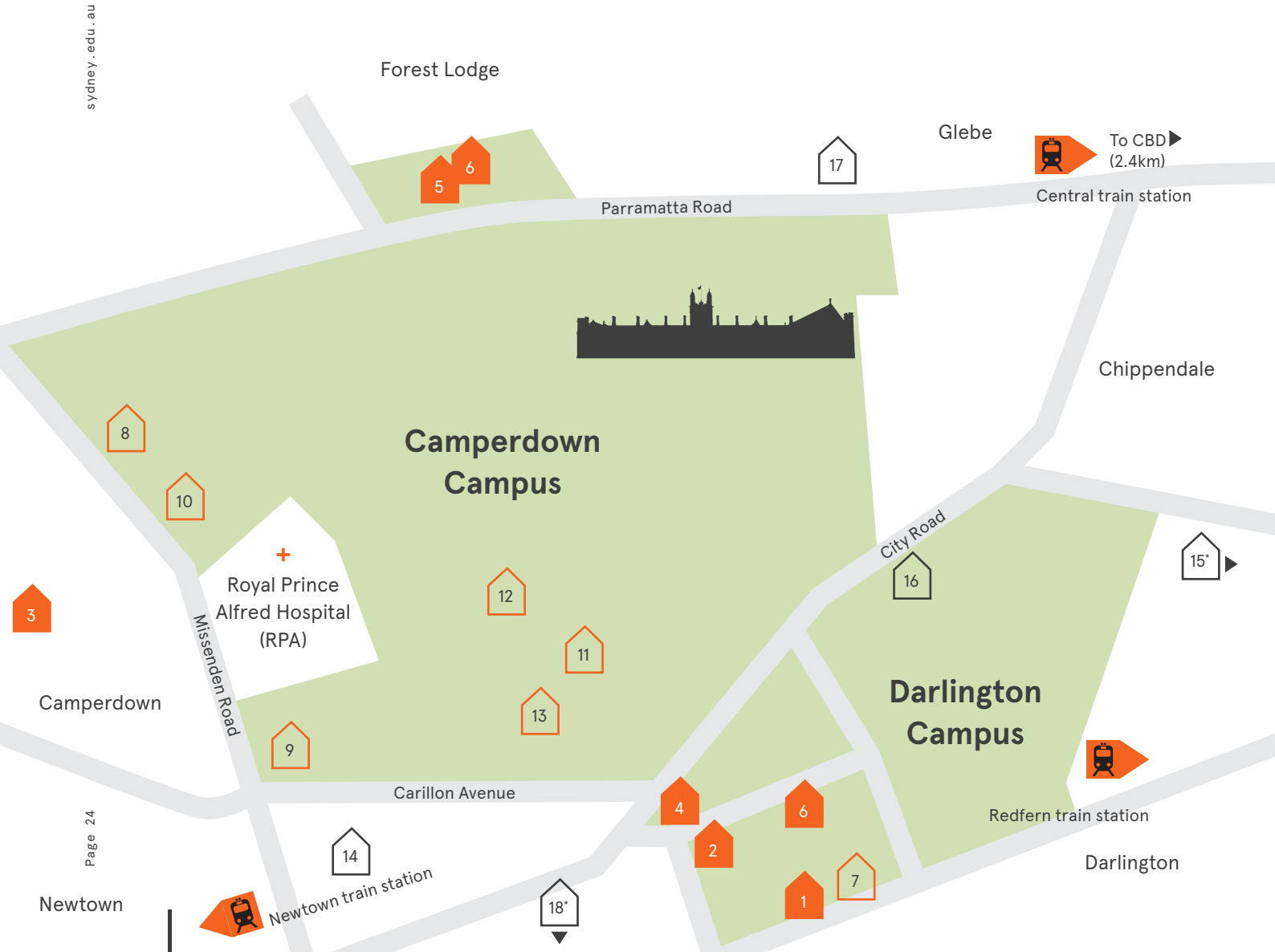
Living on or close to campus can enhance your university experience.

There are a number of accommodation options for you to choose from, including:

- University residences
- residential colleges
- independently run student housing.

Our Accommodation Services website is a great place to get started. You will find helpful 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.

- sydney.edu.au/accommodation



Camperdown/Darlington Campus

University residences ($220–571 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.

Key		Places	Gender	Phone	Website
1	Abercrombie	200	F, M	+61 2 9351 3322	sydney.edu.au/accommodation
2	Darlington House	54			
3	Queen Mary Building	799			
4	Regiment Building	620			
	International House	200		+61 2 9950 9800	sydney.edu.au/international-house
5	Selle House	14 (PG only)		+61 2 9351 3322	sydney.edu.au/accommodation
6	Terraces	193			

Residential colleges ($397–687 per week)

Residential colleges are on campus but externally managed to provide options to suit your needs.

Key		Places	Gender	Phone	Website
7	Mandelbaum House	36	F, M	+61 2 9692 5200	mandelbaum.usyd.edu.au
8	Sancta Sophia College	172 128	F (UG) F, M (PG)	+61 2 9577 2100	sanctasophiacollege.edu.au
9	St Andrew's College	285	F, M	+61 2 9565 7300	standrewscollege.edu.au
10	St John's College	252	F, M	+61 2 9394 5000	stjohnscollege.edu.au
11	St Paul's College	300	F (PG) M (UG/PG)	+61 2 9550 7444	stpauls.edu.au
12	Wesley College	260	F, M	+61 2 9565 3333	wesleycollege-usyd.edu.au
13	The Women's College	280	F	+61 2 9517 5000	thewomenscollege.com.au

Independently run student housing (Up to $689 per week)

Independently run accommodation close to campus provides options to undergraduate and postgraduate students.

Key		Places	Gender	Phone	Website
14	Sydney University Village	650	F, M	+61 2 9036 4000	sydneyuv.com.au
15*	Urbanest Cleveland	438	F, M	+61 2 8091 9959	urbanest.com.au/sydney/cleveland-st
16	Urbanest Darlington	464	F, M	+61 2 8091 9959	urbanest.com.au/sydney/darlington
17	Urbanest Glebe	185	F, M	+61 2 8091 9959	urbanest.com.au/sydney/glebe
18*	Stucco	40	F, M	-	stucco.org.au

Camden and Cumberland campuses

University residences ($155–355 per week)

The Camden and Cumberland campuses University residences are managed by the University Accommodation Services and are available to undergraduate and postgraduate students.

		Places	Gender	Phone	Website
*	Nepean Hall (Camden)	43	F, M	+61 2 9351 1622	sydney.edu.au/accommodation
*	Nepean Lodge (Camden)	98			
*	Yannadah (Cumberland)**	39			

F = Female M = Male UG = undergraduate student PG = postgraduate student
* Located outside boundary of map.
** The Faculty of Health Sciences is currently located at Cumberland Campus but will transition some teaching to the Camperdown/Darlington Campus from 2019, ahead of the scheduled relocation of the Cumberland Campus to Camperdown in 2021. At time of printing, Yannadah may remain open until the end of Semester 1 2020. For current information, see sydney.edu.au/accommodation

Important fee information: All accommodation fees listed above are in Australian dollars. They are intended as a guide for students and are based on 2019 fees for new students. These fees are correct at the time of printing to the best of the University's knowledge. Students should contact the individual accommodation providers for detailed and up-to-date information, including additional costs and fees. 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.

“At Sydney we are given the opportunity to make change. I have the creative capacity and the critical thinking skills that will give me a real shot at making my mark on the world.”

Megan Fitzgerald
Bachelor of Arts and Bachelor of Laws, current student

AREAS OF STUDY

2020

University study isn't simply about gaining credentials. It's about investing your time to discover what you really like doing.

Start by thinking about which subjects interest you, as well as how you like to learn and what you want from your university experience.

ARCHITECTURE, DESIGN AND PLANNING

Career pathways

- 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

Invent with intent. When you study at Sydney, you'll combine creative flair with finely tuned technical skills to shape the spaces, services and experiences – both physical and digital – in which we live, work and play.

- sydney.edu.au/courses/architecture

We're ranked 1st in Australia and 16th in the world for architecture/built environment.*

In an increasingly interlinked world of design and digital culture, it's a fantastic time for a creative career.

"I was encouraged to apply for an internship at Google and I'm now a user experience designer in the Android Google Maps team. We work with researchers and engineers to design new products and features. It's heaps of fun."

Sophie Gardner
Bachelor of Design Computing
Scholarships and activities: internship with Google

Graduate ready for a global career

We strive for intellectual excellence, creative development and critical thinking. As a student, you will refine and bring to life your designs in specialist facilities and experience 3D printing, laser cutting, CNC routers, wood-turning, model-making and design workshops.

You'll have the opportunity to expand your architectural and design education outside the classroom with international experience through placements and internships, and by engaging with our partners across the built environment and interactive design industries. By studying with us, you'll develop big-picture thinking and work towards answering global challenges. You'll graduate ready for a career that is creatively driven and technically challenging.

Why study architecture, design and planning at Sydney?

- We're ranked 1st in Australia and 16th in the world for architecture and the built environment.*
- We have some of the best equipped fabrication laboratories in Australia, providing a hub for experimentation, digital design and robotic processes.
- Our Bachelor of Design Computing is one of the first courses of its kind in the world, combining creativity and code.

Refer to the A to Z course table on pages 50 to 77 to find out about our architecture, design and planning courses.

* QS World University Rankings by Subject, 2018

Sample course structure: Bachelor of Architecture and Environments
Note: Course structure is indicative only. For more information, visit **sydney.edu.au/courses/architecture**

Year	Semester	Units of study				
1	1	■ Design Processes and Methods	■ Architectural History and Theory 1	■ Sketching and Drawing the Built Environment	■ Architectural Communications 1	■ Safety Induction and Competency Unit
	2	■ Empirical Thinking	■ Architectural Technologies 1	■ Living Cities	■ Design in Architecture	
2	1	■ Design Integration Lab: Materials	■ City Form and Development	■ Light and Sound	□ Designing with Colour	
	2	■ Design Integration Lab: Energy	■ Building Technologies	■ Algorithmic Architecture	□ Design for Innovation	
3	1	■ Architectural Technologies 3	■ Design Integration Lab: Urban	■ Designing for Environmental Quality	□ City Design and Urban Ecology	
	2	■ Property and the Built Environment	■ Design Integration Lab: Capstone	■ Architectural Professional Practice		

■ Core unit □ Elective

ARTS AND SOCIAL SCIENCES

Career pathways

- 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

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 tackle some of the most complex issues and questions of the 21st century.

- sydney.edu.au/courses/arts

Learn from renowned experts across more than 45 subjects.

We're ranked 17th in the world for studies in the arts and humanities.*

"I always wanted to build a business and to create something new. Interestingly, studying philosophy gave me the tools and mindset to build and manage a business effectively. I don't think I'd have the competence or wisdom to do what I'm doing now without my learning experience at the University of Sydney."

Adam Jacobs
Co-Founder and Managing Director, theiconic.com.au
Arts and Social Sciences graduate (2007)

Graduate equipped for countless careers

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, history and sociology.

The strong communication and critical thinking skills you will gain at Sydney can take you around the world and to any workplace.

Through our placement opportunities with leading organisations and our exchange programs with 250+ partner universities, you can gain international experience and build your professional network while you study.

Our alumni have become leaders in their fields, including five prime ministers, one Nobel laureate, one Pulitzer Prize winner and an astronaut. What will you achieve?

Why study arts and social sciences at Sydney?

- We are ranked 17th in the world for studies in the arts and humanities.*
- We offer one of the most comprehensive ranges of humanities and social sciences subjects in Australia.
- Our dual degrees with Sciences Po in France provide the opportunity to study at two of the world's leading institutions for the humanities and social sciences.

Refer to the A to Z course table on pages 50 to 77 to find out about our arts and social sciences degrees.

* QS World University Rankings by Subject, 2018

Do you have artistic talent?

Sydney College of the Arts has been Sydney's premier training ground for contemporary visual artists for more than 40 years. Our hands-on degrees focus on developing the conceptual, theoretical and technical skills needed to succeed as a practising artist.

Sample course structure: Bachelor of Arts/Bachelor of Advanced Studies, with majors in cultural studies and Biology

Note: Course structure is indicative only. For more information, visit **sydney.edu.au/courses/arts**

Year	Semester	Units of Study			
1	1	Introduction to Cultural Studies	Global America	Life and Evolution	Cultural Difference: An Introduction
	2	Screen Cultures and Gender: Film to Apps	Introduction to Film Studies	From Molecules to Ecosystems	Design Theory and Culture
2	1	Animal & Human Cultures	Cultures of Food: Europe	Screening Europe: After 1989	Biology Experimental Design and Analysis
	2	Youth and Youth Culture	Science, Ethics and Society	Writing for the Digital World	Botany
3	1	Using Cultural Theory	Everyday Life: Theories and Practices	Genetics and Genomics	Ecology
	2	The Social Life of Policy	Interdisciplinary Impact in Cultural Studies	Developmental Genetics	Biology Interdisciplinary Project
4	1	Advanced Coursework/ Honours	Advanced Project Unit/ Honours	Advanced Coursework/ Elective / Honours	Advanced Coursework/ Elective/Honours
	2	Advanced Coursework/ Honours	Advanced Project Unit/ Honours	Advanced Coursework/ Elective/Honours	Advanced Coursework/ Elective/Honours

■ Major 1 ■ Major 2 □ Elective
■ Open Learning Environment (OLE) ■ Advanced coursework (4000-level units and above)

BUSINESS

Career pathways

- Accountant
- Big data specialist
- Business analyst
- Corporate/government relations officer
- Customer relationship manager
- Digital marketing/social media specialist
- Enterprise architect
- Entrepreneur
- Financial dealer and broker
- Human resources specialist
- International business consultant
- Investment banker
- Management consultant
- Marketing/advertising executive
- Policy adviser
- Project manager
- Regulation and compliance specialist
- Stock trader
- Tax adviser

At the University of Sydney Business School, you'll gain the skills to succeed in business or build your own start-up. You will graduate equipped to become a leader and drive change with social, environmental and commercial impact. Your global business journey starts here.

- sydney.edu.au/courses/business

Study in our ultra-modern building, equipped with the latest technology and learning spaces.

Ranked in the world's top 20 universities for accounting and finance, and top 40 in business and management.*

* QS World University Rankings by Subject, 2018

"Studying at the business school gave me the best possible foundation to secure a competitive graduate position in the investment banking industry after graduating. I wouldn't be where I am today without the experience and education I received at the University of Sydney."

Elicia McDonald
Investment Associate, AirTree Ventures
Bachelor of Commerce (Honours) 2010
Extracurricular activities: President of the Financial Management Association of Australia at the University of Sydney

Graduate career-ready

Meet the future demands of business with one of our degrees, developed in collaboration with our industry partners. Gain advanced technical knowledge, as well as adaptability, resilience, and strong skills in communication, critical thinking and leadership, that will prepare you for a global career.

These skills are developed by a case-based learning approach, where you'll work in cross-disciplinary teams and apply problem-solving skills.

Opportunities are also available to put your learning into practice by working for a leading organisation, with industry placements available in Australia and around the world.

Why study business at Sydney?

- Choose from a range of majors (see page 58 for a full list) to gain the technical skills you'll need in the workforce.
- Gain professional experience via industry placement programs and by working with our partners on real business problems.
- Explore your career options, develop your networks and access recruiters and employers, via our Careers and Employability Office, a dedicated service for business students.

This approach means you'll be equipped and ready to start a successful career upon graduation.

Refer to the A to Z course table on pages 50 to 77 to find out about our business courses.

Sample course structure: Bachelor of Commerce/Bachelor of Advanced Studies, Professional Accounting program with a major in Finance

Note: Course structure is indicative only. For more information, visit **sydney.edu.au/courses/business**

Year	Semester	Units of study			
1	1	Future of Business	Quantitative Business Analysis	Accounting, Business and Society	Introduction to Project Management
	2	Writing for the Digital World	Accounting and Financial Management	Psychology 1001	Economics for Business Decision Making
2	1	Leading and Influencing in Business	Financial Accounting A	Business Law for Accountants	Corporate Finance I
	2	Digital Influence through Social Media	Management Accounting	Marketing Principles	Corporate Finance II
3	1	Financial Accounting B	Australian Taxation System	Investments and Portfolio Management	Real Estate Finance
	2	Accounting and Auditing in Practice	Accounting Information Systems	Derivative Securities	Finance in Practice
4	1	Advanced coursework elective	Advanced coursework elective	Project unit (12 credit points), such as Research Project, Community Project, Industry Project or Entrepreneurship Project	
	2	Project unit (12 credit points), such as Research Project, Community Project, Industry Project or Entrepreneurship Project		Entrepreneurship and Innovation	Hollywood: Art, Industry, Entertainment

Major 1 · Major 2 or Minor · Degree core · Major 2 elective · Elective
Open Learning Environment (OLE) · Advanced coursework

EDUCATION AND SOCIAL WORK

Career pathways

- 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

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

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

We're ranked 12th in the world for research and teaching in the area of education.*

Develop your professional identity and learn in real-world settings via fieldwork and placements.

"As a student, I loved being part of a community that dedicated itself to considering the big issues that our society and culture face.

Since then, I've always sought to be the kind of teacher who cares about students first and subjects second."

Eddie Woo
Leader of Mathematics Growth, NSW Department of Education; Founder of Wootube
Bachelor of Education (Secondary: Mathematics) (Honours) 2008
Activities: member of the Education and Social Work Students Society

Develop the next generation of thinkers

Engage minds and ignite the creativity of the next generation as a Sydney graduate. We offer education degrees for early childhood, primary and secondary teaching with a diverse range of areas including Aboriginal studies, biology, business studies, chemistry, commerce, drama, economics, English, geography, health and physical education, history, mathematics, music, languages, physics and teaching English to speakers of other languages (TESOL).

Make a difference in the community

Our social work degree prepares you to change lives for the better. You will develop skills in policy development, frontline social care, counselling, advocacy and community development.

As a graduate, you will be a versatile and highly skilled practitioner who can translate professional values into action to support people in our communities who are in need.

Why study education and social work at Sydney?

- We are ranked 12th in the world for education.*
- We've built strong links with practitioners from both the education and social work fields and emphasise practical experience so our students have the opportunity to apply their theoretical knowledge and gain hands-on professional experience.
- Our degrees are recognised in Australia and you will gain skills that will be widely sought after and versatile.
- Our teacher education degrees are accredited by the NSW Education Standards Authority (NESA).**
- Our social work degrees are accredited by the Australian Association of Social Workers (AASW).

Refer to the A to Z course table on pages 50 to 77 to find out about our education and social work courses.

* QS World University Rankings by Subject, 2018
** The Bachelor of Education (Early Childhood) is listed under the Australian Children's Education and Care Quality Authority's (ACECQA) approved qualification list.

Sample course structure: Bachelor of Education (Secondary: Humanities and Social Sciences)/ Bachelor of Arts (Ancient History, Latin)

Note: Course structure is indicative only. For more information, visit **sydney.edu.au/courses/education-social-work**

Year	Semester	Units of Study				
1	1	Education, Teachers and Teaching	Age of Empires	Introduction to Latin 1	Foundations for Ancient Rome	
	2	Human Development and Education	Civilisations of the Ancient World	Introduction to Latin 2	Greek and Roman Myth	
2	1	Educational Psychology	Pedagogy and Professional Practice 1	Intermediate Latin 1	Law, Disorder and Ideology in Rome	
	2	Social Perspectives on Education	Literacy and Diversity	Intermediate Latin 2	Ancient Greek Democracies	LANTITE# Undergraduate
3	1	First Teaching Area Curriculum unit 1 (Ancient History)	Second Teaching Area Curriculum unit 1 (Latin)	Ancient Egyptian Religion and Magic	Pompeii and Herculaneum	
	2	First Teaching Area curriculum unit 2 (Ancient History)	Second Teaching Area Curriculum unit 2 (Latin)	Information Technology in Schools	Pedagogy and Professional Practice 2	Professional Experience A
4	1	First Teaching Area Curriculum unit 3 (Ancient History)	Second Teaching Area Curriculum unit 3 (Latin)	Indigenous Education: Secondary Schools	Pedagogy and Professional Practice 3	Professional Experience B
	2	Reading and Applying Educational Research; OR Education Honours Preliminary	Positive Approaches to Special Education	Historiography Ancient and Modern	Interdisciplinary Impact in Ancient History	
5	1	Cultural Competence: Fundamentals	Professionalism in the Workplace	Advanced Latin	Latin Republican Poetry	
	2	Education III Optional Unit of Study; OR Education Honours Dissertation	Internship	Secondary Education Year 5 elective (12cps)		

■ Major 1 ■ Minor ■ Education core ■ Curriculum core □ Elective ■ Open Learning Environment (OLE)

Literacy and Numeracy Test for Initial Teacher Education

ENGINEERING AND COMPUTER SCIENCE

Career pathways

- Aircraft/aerospace engineer
- Biomedical engineer, implantable and external medical device manufacturer
- Chemical engineer, agribusiness and food production; cosmetic or pharmaceutical production
- Civil engineer, innovative building design; humanitarian projects in disaster recovery; government and public policy
- Computer programmer
- Computer systems analyst, retail data systems
- Electrical engineer, mobile communications systems; renewable energy generation
- Mechanical engineer, vehicle and engine design; logistics and transport industries
- Mechatronics engineer, robotics; automation; smart infrastructure
- Project manager, events, construction, banking and finance industries
- 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. From AI to space travel, engineers, project managers and computer scientists develop innovative and sustainable solutions to society's greatest problems.

- sydney.edu.au/courses/engineering-computer-science

75 percent of the fastest-growing occupations need STEM skills and knowledge.*

We award more than $8 million in engineering and computing scholarships every year.

"To be able to provide safe drinking water, inexpensive medicines and cleaner energy is so empowering. I was drawn to the fact that there is so much potential for humanitarian engineering using the knowledge gained from this degree."

Lucy Parsons
Bachelor of Engineering Honours (Chemical and Biomolecular)

Prepare yourself for a future-focused career

Choose from our broad range of engineering, project management and advanced computing degrees and you could have the opportunity to make a visible and lasting impact on the world around us. Our students work with leading academics, researchers and industry partners to create smarter ways of running our planet, combining technical expertise with hands-on experience to develop creative and sustainable solutions.

Students also have opportunities to forge connections with our network of more than 1200 industry, not-for-profit and government organisations across engineering, computing and project management.

Join our successful graduates who've made their mark on the world – from the invention of wi-fi to an injectable hydrogel that could make open surgery a thing of the past.

Why study engineering and computer science at Sydney?

- We are ranked in the top 40 universities in the world for engineering and technology.**
- Our fantastic new multimillion-dollar engineering precinct is now underway.
- We have the largest biomedical engineering program of its kind in the southern hemisphere.
- More than double the national average of women study engineering, computing and project management with us.***

Refer to the A to Z course table on pages 50 to 77 to find out about our engineering, project management and advanced computing courses.

* Australian Industry Group report, 2013
** QS World University Rankings by Subject, 2018
*** http://highereducationstatistics.education.gov.au

Sample course structure: Bachelor of Engineering Honours (Mechatronic) Major in Robotics and Intelligent Systems

Note: Course structure is indicative only; for more information, visit **sydney.edu.au/courses/engineering-computer-science**

Year	Semester	Units of study				
1	1	Linear Algebra	Calculus of One Variable	Introduction to Mechatronic Engineering	Engineering Computing	Integrated Engineering 1
	2	Statistics	Multivariate Calculus and Modelling	Introduction to Mechatronic Design	Mechatronics 1	Engineering Mechanics
2	1	Mechatronics 2	Engineering Dynamics	Fundamentals of Electrical and Electronic Engineering	Engineering Analysis#	
	2	Electronic Devices and Circuits	Mechanical Design 1	Mechanics of Solids 1	Materials 1	Integrated Engineering 2
3	1	Manufacturing Engineering	Power Electronics and Applications	System Dynamics and Control	Electronic Circuit Design#	
	2	Mechatronic Systems Design	Mechatronics 3	Mechanical Design 2	Introductory Thermofluids#	Integrated Engineering 3
4	1	Thesis A	Experimental Robotics	Advanced Control and Optimisation	Multidimensional Signal Processing	Integrated Engineering 4
	2	Thesis B	Sensors and Signals	Computer Vision and Image Processing		

■ Degree core ■ Major (Robotics and Intelligent Systems) ■ Elective ■ Degree core/Major

\# These units are just some of the many electives available to students. Units are indicative only.

LAW

Career pathways

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

Studying law at Sydney will give you the skills in research, analysis and persuasive communication that will qualify you to be a successful lawyer. Your expertise will be highly transferable in the global marketplace.

- sydney.edu.au/courses/law

With more than 150 years of research-led education, we're ranked 14th in the world for law.*

Study law in combination with an arts, commerce, economics, engineering or science degree.

"Sydney Law School has instilled in me a critical way of thinking to approach problems and issues. I was placed as an intern at the Shopfront Youth Legal Centre, a free legal service for disadvantaged youth and young people.

This internship allowed me to develop my skills in dealing with clients, while helping me to bridge the gap between my theoretical learning and my practical skills."

Jared Webster
Foreign Associate, Kirkland & Ellis, New York
Bachelor of Economics/Laws 2013
Scholarships and activities: exchange trip to Vienna, Austria; intern at the Shopfront Youth Legal Centre; travelled to Japan for a mooting competition

Create change in a global environment

At Sydney Law School, you will learn from globally recognised legal educators and highly respected professional practitioners.

Together with another degree of your choosing, you will develop critical thinking skills, the capacity for deep, evidence-based analysis and problem-solving, and a thorough grounding in professional ethics. These skills are highly sought after in our graduates.

Our Bachelor of Laws (LLB) and Juris Doctor are the only Australian law degrees that require the completion of two units of study in international law. You can expand your studies through our overseas electives or study with one of our global partners, including Harvard, Cambridge, Oxford, the Sorbonne, Renmin and Tsinghua.

Our alumni can be found in legal and non-legal roles around the world and include prime ministers, High Court judges and a president of the World Bank.

Why study law at Sydney?

- As one of the world's leading law schools, we are ranked 14th in the world for law.*
- Gain an internationally relevant legal education with overseas opportunities at one of our global partners, including our pathway programs with Oxford and Cambridge.
- Our social justice activities allow you to apply your classroom knowledge to real-world cases.
- Our purpose-built facilities include a dedicated Law Library and Moot Court.
- 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.

Refer to the A to Z course table on pages 50 to 77 to find out about our law courses.

* QS World University Rankings by Subject, 2018

Global Studies and Media Studies majors are available as part of our Arts/ Law degree.

Sample course structure: Bachelor of Arts (Global Studies major)/Bachelor of Laws
Note: Course structure is indicative only, for more information visit **sydney.edu.au/courses/law**

Year	Semester	Units of study				
1	1	Introduction to International and Global Studies	Introduction to Sociology 1	History Workshop	Foundations of Law	Legal Research I**
	2	The Making of the Global Order	Global America	Design Theory and Culture	Torts	
2	1	The End of Empire and the New States	Power and Identity in a Global Era	Civil and Criminal Procedure	Contracts	
	2	The Dynamics of Global Economy	Transnational Actors and Networks	Criminal Law	Cross-Cultural Communication	
3	1	Social Movements in the Global South	Interdisciplinary Impact in Global Studies	Indonesian 1A	Public International Law	Legal Research II**
	2	Conflict and its Consequences	Global Ethics: Philosophy	Torts and Contracts II	Public Law	
4	1	Administrative Law	Federal Constitutional Law	Introduction to Property and Commercial Law	The Legal Profession	
	2	Corporations Law	Equity	Evidence	Real Property	
5	1	Private International Law A	Advanced Public International Law	Social Justice Legal Clinic A	Criminology	
	2	World Trade Organisation Law I	Philosophy of International Law	Anti-Discrimination Law	International Human Rights Law	

■ Core unit ■ Major □ Elective ■ Open Learning Environment (OLE)

** Legal Research I and Legal Research II are zero credit point units but are compulsory examinable units which count towards the first degree in the combined Law program.

MEDICINE AND HEALTH

Career pathways

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

Pursue your passion in health and get ready for a career where you can make a difference to millions of lives. Choose from the largest range of health degrees of any Australian university and graduate with knowledge and skills that are in demand.

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

Medicine and health are the most employable graduate sectors in Australia.*

Many of our courses offer clinical immersion from your first year.

"No single day is ever the same. I thrive in a fast-paced, challenging environment, so the emergency department is the place to be if you enjoy the adrenaline rush. I get a lot of satisfaction each day at work knowing that I've contributed to improving someone's health and wellbeing."

Ryan Catahan
Nursing (Advanced Studies)
Emergency nurse, Westmead Hospital

Join one of the fastest-growing sectors

Doctors, dentists, nurses, pharmacists, and health professionals of all kinds are in constant demand in Australia and around the world. At Sydney, you'll learn from experts, academics and students from other disciplines to develop a range of invaluable skills, from patient interaction to teamwork, leadership and research.

Early on in your degree you will gain hands-on experience – from our modern simulation facilities to our clinical schools in urban and rural locations, or with our network of industry partners in Australia and overseas.

Our alumni combine scientific expertise with the ability to help people in all kinds of settings, from homes, clinics and hospitals, to crisis zones around the world.

Why study medicine and health at Sydney?

- We're world leaders in medicine and health, ranked second in the world for sports-related disciplines, and in the top 20 in the world for anatomy, medicine, nursing and pharmacy.**
- With the largest range of clinical placement partners in NSW, you'll receive real-world, hands-on training.
- Our global partnerships give you the opportunity for clinical placements around the world, with two-thirds of our medical students taking an overseas placement.
- We have extensive partnerships with employer organisations, including private and public health providers.
- Our graduates go on to a diverse range of careers, often outside traditional pathways. For example, alumna Anne Nguyen's pharmacy degree has taken her to a management role at Boston Consultancy Group in New York, where she focuses on consumer healthcare and pharmaceuticals.

Refer to the A to Z course table on pages 50 to 77 to find out about our medicine and health courses.

* 2017 Graduate Outcomes Survey
** QS World University Rankings by Subject, 2018

Sample course structure: Bachelor of Applied Science (Physiotherapy)
Note: This is a professional degree and follows a specific study pattern. Course structure is indicative only. For more information, visit **sydney.edu.au/courses/medicine-and-health**

Year	Semester	Units of study			
1	1	Functional Musculoskeletal Anatomy A	Body Systems: Structure and Function	Health, Behaviour and Society	Foundations of Physiotherapy Practice A
	2	Functional Musculoskeletal Anatomy B	Neuroscience	Muscle Adaptations to Use and Disuse	Foundations of Physiotherapy Practice B
2	1	Motor Control and Learning	Exercise Physiology for Clinicians	PT in Musculoskeletal Conditions A	Preventative Health Care
	2	PT in Musculoskeletal Conditions B	PT in Neurological Conditions A	PT in Respiratory and Cardiac Conditions A	Clinical Practicum A
3	1	PT in Musculoskeletal Conditions C	PT in Neurological Conditions B	Paediatric Physiotherapy	PT in Respiratory and Cardiac Conditions B
	2	Clinical Practicum B	Clinical Practicum C	Physiotherapy in Multisystem Problems	Cancer: Prevention through to Palliation*
4	1	Advanced Professional Practice A	Clinical Practicum D	Clinical Practicum E	FHS Abroad^**
	2	Advanced Professional Practice B	Physiotherapy in Sport and Recreation	Clinical Practicum F	Clinically Oriented Anatomy in Exercise*

■ Core unit □ Elective

* Students in the honours program enrol in three specific honours units (A, B and C) in years 3 and 4 in lieu of the elective units.
^ Senior students have the opportunity to participate in an international experience in locations in Vietnam, Cambodia, India and the Philippines.

MUSIC

Career pathways

- 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
- Private studio teacher

Sydney Conservatorium of Music has been at the centre of Sydney's cultural history for more than 100 years. Through our flexible courses you can focus on diverse areas such as composition, contemporary music, jazz, musicology, performance or music education.

- sydney.edu.au/courses/music

Benefit from the global relationships of our staff in the music industry.

Some of the best facilities to study music in the Asia-Pacific region, located in Sydney's arts precinct.

"The Con is one of the most prestigious music institutions in Australia, with a wide range of facilities. My advice to any prospective student is to simply go for it, work hard and support your peers whenever you possibly can. I believe the opportunities we gain from studying are what we make of them."

Anna Da Silva Chen
Bachelor of Music (Performance) 2018

Immerse yourself in music

Studying at the Conservatorium will help define your career and shape you as a person. You will be mentored by leaders across all areas of music. You'll expand your creative thinking and musical tastes and hone your analytical and listening skills by choosing to focus on one area of expertise or exploring a range of options.

We collaborate with many leading international music conservatories and universities, providing you with the opportunity for exchanges, and we welcome various international artists for you to learn from. Our graduates have become outstanding musicians, composers, teachers, scholars and members of great bands and orchestras around the world. At the Conservatorium you will form musical partnerships that last a lifetime.

From Haydn to hip-hop, film scores and jazz, you can enjoy a breadth of musical study that will prepare you for a broad range of careers.

Why study music at Sydney?

- The Conservatorium offers the best facilities to study music in the Asia-Pacific region and is just a short stroll from the Sydney Opera House.
- A proud history of musical excellence coupled with a future-focused outlook.
- A range of choices in your degree progression, flexible study options, and a variety of training opportunities.
- Learn from award-winning scholars and acclaimed musicians with contacts in the music industry around the world.
- Expertise in performance and composition, musicology, music education, and Indigenous and Asian ethnomusicology.
- Have the opportunity to study and perform internationally.

Refer to the A to Z course table on pages 50 to 77 to find out about our music courses.

Sample course structure: Bachelor of Music (Performance) – Orchestral Instrument major
Note: Course structure is indicative only, for more information visit **sydney.edu.au/courses/music**

Year	Semester	Units of study			
1	1	Principal Study 1	Music Theory and Aural Skills	Orchestral Studies 1	This is Music*
	2	Principal Study 2	Music Theory and Aural Skills	Orchestral Studies 2	Analysis, History and Culture Studies Foundation studies
2	1	Principal Study 3 (extended)	Music Theory and Aural Skills	Orchestral Studies 3	Analysis, History and Culture Studies Foundation studies
	2	Principal Study 4 (extended)	Music Theory and Aural Skills	Orchestral Studies 4	Analysis, History and Culture Studies
3	1	Principal Study 5 (extended)	Orchestral Studies 5	Chamber Music 1	Teaching Music / Pedagogy
	2	Principal Study 6 (extended)	Orchestral Studies 6	Chamber Music 2	Recital Preparation or free choice elective
4	1	Project 1A		Project-related advanced coursework	Free choice advanced coursework
	2	Project 2A		Project-related advanced coursework	Free choice advanced coursework

■ Major 1 ■ Core unit elective □ Elective ■ Advanced coursework (4000-level units and above)
* Common to all undergraduate music degrees

SCIENCE

Career pathways

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

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 new courses in conservation and mathematics.

- sydney.edu.au/courses/science

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

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

* QS World University Rankings by Subject, 2018

"Science is a wonderful degree with fascinating content and a range of opportunities. Not only will you learn about the intriguingly intricate way the world works, you'll be taught how to think critically, carefully and curiously – like a true scientist!"

Alison Campbell
Bachelor of Science (Advanced) majoring in Nanoscience and Technology

Think big: a world of opportunity

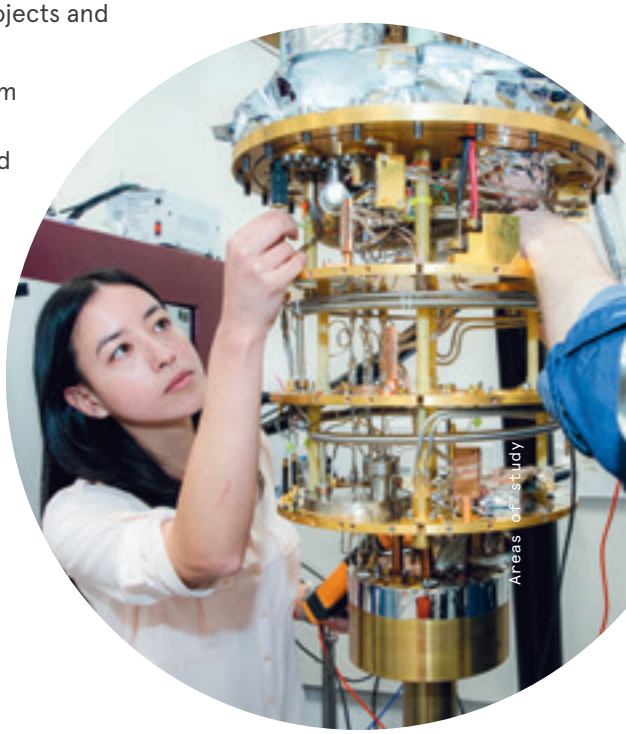
Science has always been at the centre of humanity's attempts to understand the world and make it a better place, but never has the rate of advancement been as rapid or as exciting as it is now. Studying science at Sydney can take you from unravelling the mysteries of the cosmos to creating new materials or feeding the world. Be part of the global solution to water, energy and sustainability issues and tackle other real-world problems that impact on millions of lives. You could even become a leader in wildlife conservation through our new degree in partnership with Taronga Conservation Society Australia.

Science inspires curiosity, cultivates a love for learning and fosters strong problem-solving skills. At Sydney, you can combine your study of science with other disciplines, such as music, history or languages. There are plenty of opportunities to diversify your degree, especially in combination with the Bachelor of Advanced Studies and modular Open Learning Environment units.

Why study science at Sydney?

- Study in some of the world's best scientific facilities, including Sydney Nano, the Charles Perkins Centre, our Veterinary Hospital and Clinic or Plant Breeding Institute.
- A range of study options including flexible liberal studies degrees and professionally accredited programs in psychology, nutrition, veterinary science and medicine.
- Take your learning beyond the classroom with exciting research projects and international field trips.
- You will be supported from your first day on campus through our transition and mentoring programs.

Refer to the A to Z course table on pages 50 to 77 to find out about our science, agriculture, environment and veterinary science courses.



Sample course structure (double major): Bachelor of Science/Bachelor of Advanced Studies with majors in Environmental Studies and Data Science

Note: Course structure is indicative only. For more information, visit **sydney.edu.au/courses/science**

Year	Semester	Unit of study			
1	1	Earth, Environment and Society	Science	Mathematics	Foundations of Science
	2	From Molecules to Ecosystems	Science	Mathematics	Informatics: Data and Computation
2	1	Concepts in Environment and Resource Economics	Introduction to Programming	Writing for the Digital World	Data Science: Big Data and Data Diversity
	2	Environmental and Resource Management	Popular Culture and Politics	Digital Influence through Social Media	Data Analytics: Learning from Data
3	1	Environmental Law and Ethics	Environmental Studies selective	Data Methods	Data Science selective
	2	Urban Citizenship and Sustainability	Environmental Studies selective	Data Application	Interdisciplinary project
4	1	Research, community, industry or entrepreneurship project		Advanced coursework	
	2				

■ Major 1 ■ Major 2 ■ Degree core □ Elective
■ Open Learning Environment (OLE) ■ Advanced coursework (4000-level units and above)

COURSES A-Z

2020

2020 GUIDE TO ADMISSION CRITERIA FOR DOMESTIC STUDENTS

Below is a guide to the Australian Tertiary Admission Rank (ATAR) and International Baccalaureate (IB) scores for admission in 2020. For most courses, the scores are guaranteed, except where marked with an asterisk*. The asterisked scores are an indicative score for what you will need for admission in 2020. All published scores are correct at the time of print and subject to change. For the most up-to-date information on ATARs, visit

– sydney.edu.au/sydney-atar

With more than 400 areas of study to choose from, we offer an incredible breadth and depth of courses.

Course name	ATAR/IB	Duration in years	See page
Architecture, design and planning			
● B Architecture and Environments	85/31	3	53
■ B Design Computing	80/28	3	58
▲ B Design Computing/B Advanced Studies	80/28	4	59
● B Design in Architecture	95/37	3	59
▲ B Design in Architecture (Honours)/ M Architecture$^{\Phi}$	(97/39)*	5	59
Arts and social sciences			
◆ B Arts	80/28	3	54
▲ B Arts/B Advanced Studies	80/28	4	55
▲ B Arts/B Advanced Studies (Dalyell Scholars)‡	98/40	4	55
▲ B Arts/B Advanced Studies (International and Global Studies)	92/34	4	55
▲ B Arts/B Advanced Studies (Languages)	95/37	4	56
▲ B Arts/B Advanced Studies (Media and Communications)	95/37	4	56
▲ B Arts/B Advanced Studies (Politics and International Relations)	95/37	4	56
◆ B Arts (Sciences Po Dual Degree)**	A+C	2+2	54
■ B Economics	90/33	3	59
▲ B Economics/B Advanced Studies	90/33	4	60
■ B Economics (Sciences Po Dual Degree)**	A+C	2+2	60
■ B Visual Arts	A+C	3	76
▲ B Visual Arts/B Advanced Studies	A+C	4	77
◆ Diploma of Arts$^{\Phi}$	na	1	77
◆ Diploma of Language Studies$^{\Phi}$	na	1	77
◆ Diploma of Social Sciences$^{\Phi}$	na	1	77

Course name	ATAR/IB	Duration in years	See page
Business			
◆ B Commerce	95/36	3	58
▲ B Commerce/B Advanced Studies	95/36	4	58
▲ B Commerce/B Advanced Studies (Dalyell Scholars)‡	98/40	4	58
Education and social work			
● B Education (Early Childhood)	77/27	4	60
● B Education (Health and Physical Education)^	A+C (80/28)	4	61
● B Education (Primary)^	A+C (85/31)	4	61
▲ B Education (Secondary: Humanities and Social Sciences)/B Arts	A+C (80/28)	5	61
▲ B Education (Secondary: Mathematics)/ B Science	A+C (80/28)	5	62
▲ B Education (Secondary: Science)/ B Science	A+C (80/28)	5	62
● B Social Work	80/28	4	76
▲ B Arts/B Social Work	80/28	5	57
Engineering and computer science			
● B Advanced Computing	90/33	4	50
▲ B Advanced Computing/B Commerce	95/36	5	50
▲ B Advanced Computing/B Science	90/33	5	50
▲ B Advanced Computing/B Science (Health)	90/33	5	50
▲ B Advanced Computing/B Science (Medical Science)	90/33	5	51
● B Engineering Honours (Dalyell Scholars)‡	98/40	4	62
● B Engineering Honours (Aeronautical)	92/34	4	62
● B Engineering Honours (Biomedical)	92/34	4	63

You can identify courses by the degree pathway: ● Professional degree ■ Specialist degree ◆ Liberal studies degree ▲ Combined or double degree

Course name	ATAR/IB	Duration in years	See page
● B Engineering Honours (Chemical and Biomolecular)	92/34	4	63
● B Engineering Honours (Civil)	92/34	4	63
● B Engineering Honours (Electrical)	92/34	4	63
● B Engineering Honours (Flexible First Year)	92/34	4	63
● B Engineering Honours (Mechanical)	92/34	4	63
● B Engineering Honours (Mechatronic)	92/34	4	64
● B Engineering Honours (Software)	92/34	4	64
● B Engineering Honours with space engineering major	99/42	4	64
▲ B Engineering Honours/B Arts	92/34	5	64
▲ B Engineering Honours/B Commerce	95/36	5	64
▲ B Engineering Honours (Civil)/B Design in Architecture	95/37	5	65
▲ B Engineering Honours/B Project Management	92/34	5	65
▲ B Engineering Honours/B Science	92/34	5	65
▲ B Engineering Honours/B Science (Health)	92/34	5	66
▲ B Engineering Honours/B Science (Medical Science)	92/34	5	66
● B Project Management	86/31	3	69
Medicine and health			
● B Applied Science (Diagnostic Radiography)	(95/37)*	4	52
● B Applied Science (Exercise and Sport Science)	(82/29)*	3	52
● B Applied Science/B Advanced Studies (Exercise and Sport Science)	(82/29)*	4	52
● B Applied Science (Exercise Physiology)	(90/33)*	4	52
● B Applied Science (Occupational Therapy)	(92/34)*	4	53
● B Applied Science (Physiotherapy)	(99/42)*	4	53
● B Applied Science (Speech Pathology)	(93/35)*	4	53
▲ B Arts/D Medicine†	A+C (99.95/45)*	7	57
▲ B Arts/M Nursingϕ	80/28	4	57
● B Nursing (Advanced Studies)	84/30	3	68
● B Oral Health	A+C (83/30)*	3	68
● B Pharmacy	90/33	4	69
● B Pharmacy and Management	90/33	5	69
▲ B Science/D Dental Medicine†ϕ	A+C (99.5/43)*	7	74
▲ B Science/D Medicine†	A+C (99.95/45)*	7	75

Course name	ATAR/IB	Duration in years	See page
▲ B Science/M Nursingϕ	80/28	4	75
▲ B Science (Health)/M Nursingϕ	80/28	4	76
Law			
▲ B Arts/B Laws	99.5/43	5	57
▲ B Commerce/B Laws	99.5/43	5	58
▲ B Economics/B Laws	99.5/43	5	60
▲ B Engineering Honours/B Laws	99.5/43	6	65
▲ B Science/B Laws	99.5/43	5	74
Music			
■ B Music	A+C	4	67
■ B Music (Composition)	A+C	4	68
● B Music (Music Education)^	A+C	4	68
■ B Music (Performance)	A+C	4	68
Science			
◆ B Liberal Arts and Science	70/25	3	67
● B Psychology	(95/37)*	4	69
◆ B Science	80/28	3	70
◆ B Science (Health)	80/28	3	70
◆ B Science (Medical Science)	90/33	3	70
▲ B Science/B Advanced Studies	80/28	4	71
▲ B Science/B Advanced Studies (Dalyell Scholars including Mathematical Sciences)‡	98/40	4	71
▲ B Science/B Advanced Studies (Advanced)	95/37	4	72
▲ B Science/B Advanced Studies (Agriculture)	75/26	4	72
▲ B Science/B Advanced Studies (Animal and Veterinary Bioscience)	80/28	4	72
▲ B Science/B Advanced Studies (Food and Agribusiness)	80/28	4	73
▲ B Science/B Advanced Studies (Health)	80/28	4	73
▲ B Science/B Advanced Studies (Medical Science)	90/33	4	73
▲ B Science/B Advanced Studies (Taronga Wildlife Conservation)	85/31	4	74
▲ B Science/M Mathematical Sciencesϕ	98/40	4.5	75
▲ B Science/M Nutrition and Dieteticsϕ	(97/39)*	5	76
▲ B Veterinary Biology/D Veterinary Medicineϕ	A+C (97/39)*	6	76

'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
A+C, na, ^, †, ‡, ϕ, **: see 'Table notes' on page 78.
* ATAR/IB scores with an asterisk are indicative only and not guaranteed for admission in 2020.

COURSES A-Z

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Advanced Computing **ATAR** 90 **IB** 33 **UAC** 513500 4 years full time **Dalyell by invitation**	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.	You will choose one IT major from the list below with the further option to choose either a second major or minor from this list or the shared pool: Computer Science, Computational Data Science, Information Systems, Software Development. You will also have access to the Open Learning Environment to broaden your skills and explore other areas of study.	**Assumed knowledge** Mathematics or Mathematics Extension 1 **Prerequisite**$^{\Delta}$ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Computer programmer, computer system administrator, consultancy, entrepreneur, information services management, systems analyst, software engineer, user experience, web development and management
B Advanced Computing/ B Commerce **ATAR** 95 **IB** 36 **UAC** 513505 5 years full time **Dalyell by invitation**	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.	Refer to B Advanced Computing and B Commerce. You will choose one major from each degree. You will also have access to the Open Learning Environment to broaden your skills and explore other areas of study.	**Assumed knowledge** Mathematics or Mathematics Extension 1; other assumed knowledge depends on Commerce subjects chosen **Prerequisite**$^{\Delta}$ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	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
B Advanced Computing/ B Science **ATAR** 90 **IB** 33 **UAC** 513510 5 years full time **Dalyell by invitation**	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.	Refer to B Advanced Computing and B Science. You will choose one major from each degree. You will also have access to the Open Learning Environment to broaden your skills and explore other areas of study.	**Assumed knowledge** Mathematics or Mathematics Extension 1; other assumed knowledge depends on the science areas or programs studied **Prerequisite**$^{\Delta}$ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Computer programmer, consultancy, geophysicist, information services management, mathematician, microbiologist, psychologist, science historian, software engineer, systems analyst, web development and management
B Advanced Computing/ B Science (Health) **ATAR** 90 **IB** 33 **UAC** 513515 5 years full time **Dalyell by invitation**	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.	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. You will also have access to the Open Learning Environment to broaden your skills and explore other areas of study.	**Assumed knowledge** Mathematics or Mathematics Extension 1 **Prerequisite**$^{\Delta}$ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	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

'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

* ATAR/IB scores with an asterisk are indicative only and not guaranteed for admission in 2020.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Advanced Computing/ B Science (Medical Science) **ATAR** 90 **IB** 33 **UAC** 513520 5 years full time **Dalyell by invitation**	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 the stream in Medical Science, which requires a program in Medical Science, including a Medical Science major.	**Assumed knowledge** Mathematics or Mathematics Extension 1, Chemistry and either Physics or Biology **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Computer programmer, consultancy, doctor (after further study in medicine), geneticist, infectious diseases researcher, information services management, microbiologist, pathologist, software engineer, systems analyst, web development and management
B Advanced Studies **ATAR** na **IB** na **UAC** na 1 year full time	The standalone Bachelor of Advanced Studies allows you to undertake further study after completing the equivalent of an Australian bachelor's degree in a relevant area. You will complete advanced coursework to build on your expertise and work on real-world projects, or complete an honours project if you satisfy the entry requirements. Students who have a qualifying University of Sydney bachelor degree will enter the combined Bachelor of Advanced Studies degree, while students with a bachelor's degree from another institution will complete the standalone degree. For honours, you will need a minimum Weighted Average Mark of at least 65 or equivalent or a higher mark or grade as specified by the faculty that administers the honours component, including other requirements specified by that faculty.	This degree is available in the following areas: Arts, Commerce, Design Computing, Economics, Science and Visual Arts. You can also take Exercise and Sport Science in the combined Bachelor of Applied Science/Bachelor of Advanced Studies. You can take advanced coursework in a thematic area and complete an industry, community or research project. If you are eligible to do honours, you can select honours coursework and complete an honours research project.	As relevant to the advanced coursework, project and/or honours units of study selected	Depends on the area in which the advanced coursework/honours is taken. Refer to the area-specific course listing for a guide to career options.
B Advanced Studies (Psychology) ATAR na **IB** na **UAC** na 2 years full time	The standalone Bachelor of Advanced Studies (Psychology) allows you to pursue a pathway to accreditation in psychology, if you do not hold a bachelor's degree in psychology or have not completed a program in psychology at the University of Sydney. You will need a completed bachelor's degree with the equivalent of 12 credit points of foundation units in psychology at the University of Sydney, provided you have not previously completed a program in psychology in the last 10 years.	You will complete a stream in Psychology as well as electives, advanced coursework and a project.	Equivalent of 12 credit points of foundational units of study in psychology in a University of Sydney degree	Clinical psychologist (with additional study), neuroscientist, organisational psychologist, market researcher, advertising executive, social psychology researcher, learning and attention researcher

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Applied Science (Diagnostic Radiography) **ATAR** 95* **IB** 37* **UAC** 513620 4 years full time	Learn the skills you need to produce world-class medical imaging and provide excellent patient care. In this 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 and is an approved program of study for general registration as a diagnostic radiographer.	You will cover studies in anatomy, biological sciences, equipment and imaging techniques, image processing, pathology, physics, psychology and radiation biology.	**Recommended studies** Mathematics plus one of Biology, Chemistry or Physics.	Diagnostic radiographer, with the opportunity to work in a range of settings, such as small regional clinics, large metropolitan imaging departments, and hospital emergency departments
B Applied Science (Exercise and Sport Science) **ATAR** 82* **IB** 29* **UAC** 513625 3 years full time	In this degree, you will develop your skills to integrate exercise and physical activity with disease prevention and the promotion of good health, rehabilitation, nutrition and sports performance. In addition, you will have the flexibility to choose from a wide range of electives, or a second minor or major from the shared pool. The University is seeking qualifying accreditation for this course, to enable graduates to register as an exercise scientist with Exercise and Sport Science Australia.	You will complete a major in Exercise Science, and a minor in Physical Activity and Health. You can also take electives or an optional major or minor from the shared pool. You will also have access to the Open Learning Environment to broaden your skills and explore other areas of study.	**Assumed knowledge** Chemistry and Mathematics	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.
B Applied Science/B Advanced Studies (Exercise and Sport Science) **ATAR** 82* **IB** 29* **UAC** 513626 4 years full time	In this combined degree, you will develop your skills to integrate exercise and physical activity with the promotion of good health and sports performance; and extend your disciplinary expertise with a second major from the shared pool. 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 industry, community, entrepreneurship or research project. High-achieving students will have the opportunity to complete an honours project. The University is seeking qualifying accreditation for this course, to enable graduates to register as an exercise scientist with Exercise and Sport Science Australia.	You will complete a major in Exercise Science, a minor in Physical Activity and Health, a practicum and a second major from the shared pool. You will also have access to the Open Learning Environment to broaden your skills and explore other areas of study.	**Assumed knowledge** Chemistry and Mathematics	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.
B Applied Science (Exercise Physiology) **ATAR** 90* **IB** 33* **UAC** 513630 4 years full time	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.	You will cover studies in biomechanics, clinical exercise practice, ergonomics, exercise physiology, functional anatomy, motor control and behaviour.	**Assumed knowledge** Chemistry and Mathematics	Exercise physiologist. 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.

'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

* ATAR/IB scores with an asterisk are indicative only and not guaranteed for admission in 2020.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Applied Science (Occupational Therapy) **ATAR** 92* **IB** 34* **UAC** 513635 4 years full time	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.	You will cover studies in human anatomy, medical sciences, neuroscience, occupational therapy theory and practice, psychology and social sciences. You will undertake a placement to gain valuable practical experience.	**Recommended studies** Biology	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.
B Applied Science (Physiotherapy) **ATAR** 99* **IB** 42* **UAC** 513640 4 years full time	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.	You will cover studies in biomedical sciences, behavioural and social sciences, exercise science, human anatomy, human movement, neuroscience, theory and practice of musculoskeletal, neurological and cardiopulmonary physiotherapy across the lifespan. You will undertake a placement to gain valuable practical experience.	**Assumed knowledge** Chemistry and Physics **Recommended studies** Mathematics	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.
B Applied Science (Speech Pathology) **ATAR** 93* **IB** 35* **UAC** 513645 4 years full time	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.	You will cover studies in anatomy, audiology, linguistics and language development, neurobiology, phonetics, psychology, research methods and speech pathology specialist areas (eg, aphasia, cleft palate, dysarthria, dysphagia, stuttering). You will undertake a placement to gain valuable practical experience.	**Recommended studies** English Advanced	Speech pathologist, with the opportunity to 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.
B Architecture and Environments **ATAR** 85 **IB** 31 **UAC** 513100 3 years full time	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.	Core areas of study include architectural and environmental design, architectural history and theory, architectural sciences and technologies, property and sustainability, urban design and planning. The University of Sydney School of Architecture, Design and Planning electives may include acoustics, lighting, structures and design computing.	**Assumed knowledge** English Advanced and Mathematics	Architect (with additional study), property and real estate, construction, project manager, urban designer, urban planner

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Arts **ATAR** 80 **IB** 28 **UAC** 513200 3 years full time **Dalyell by invitation**	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.	You will choose one major from the options below and a second major or a minor from these or from the shared pool: 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; Cultural Studies; Digital Cultures; Diversity Studies (minor only); Econometrics; Economics; Economic Policy; English; Environmental, Agricultural and Resource Economics; 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; 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 and 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.
B Arts (Dual Degree, Sciences Po, France)** **ATAR** A+C **IB** A+C **UAC** na 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 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, please refer to the Sciences Po website: **sciencespo.fr/en/home**	**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

'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

* ATAR/IB scores with an asterisk are indicative only and not guaranteed for admission in 2020.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Arts/ B Advanced Studies **ATAR** 80 **IB** 28 **UAC** 513205 4 years full time **Dalyell by invitation**	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 also 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.	You will choose Open Learning Environment units, one major from the list below and a second major either from these options or the shared pool. 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; Cultural Studies; Digital Cultures; Diversity Studies (minor only); Econometrics; Economics; Economic Policy; English; Environmental, Agricultural and Resource Economics; 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 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	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.
B Arts/ B Advanced Studies (Dalyell Scholars)ǂ **ATAR** 98 **IB** 40 **UAC** 513222 4 years full time **Dalyell by application**	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.	Refer to B Arts/B Advanced Studies for degree requirements. 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 the option for a global mobility experience.	**Assumed knowledge** Depends on the major selected or units of study	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 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.
B Arts/B Advanced Studies (International and Global Studies) **ATAR** 92 **IB** 34 **UAC** 513210 4 years full time **Dalyell by invitation**	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.	This stream requires completion of a program in international and global studies which includes 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.	**Assumed knowledge** Refer to B Arts/ B Advanced Studies	Community development program manager, diplomat, foreign aid worker, foreign correspondent, human rights advocate, international business consultant, policy adviser, trade negotiator

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Arts/ B Advanced Studies (Languages) **ATAR** 95 **IB** 37 **UAC** 513211 4 years full time **Dalyell by invitation**	This degree will provide you with the opportunity to combine your passion for the study of languages and cultures with practical skills in multilingual translation and to develop high-level intercultural competency and communication skills. As part of this degree, you will attain foundational knowledge in translation theory and gain real-world experience through practical translation projects. You will engage in the study of different cultures and have the opportunity to undertake exchange semesters and short-term study programs with our international partners. You will work with a team of leading academics and researchers of multilingualism and graduate with advanced skills in analysing cross-lingual and cross-cultural issues and gain a toolkit for practical translation in multilingual contexts.	This stream requires completion of a program in Languages. You will complete two language majors, translation-focused units, and have the opportunity to complete electives 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 units in languages and translation, and complete multilingual projects.	**Assumed knowledge** Refer to B Arts/ B Advanced Studies	Language localisation specialist, public relations officer, public policy officer, foreign affairs and trade officer, researcher. 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.
B Arts/ B Advanced Studies (Media and Communications) **ATAR** 95 **IB** 37 **UAC** 513215 4 years full time **Dalyell by invitation**	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.	This stream requires completion of a program in Media and Communications (including a major in Media Studies). A second major 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 either a substantial real-world industry, community, entrepreneurship or research project, or an honours project.	**Assumed knowledge** Refer to B Arts/ B Advanced Studies	Corporate communications officer, information officer, journalist (print, online, radio, television), market or media researcher, producer, public relations officer, public policy officer
B Arts/ B Advanced Studies (Politics and International Relations) **ATAR** 95 **IB** 37 **UAC** 513220 4 years full time **Dalyell by invitation**	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 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.	This stream requires completion of a program (which includes a major) in Politics and International Relations. A second major 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 either a substantial real-world industry, community, entrepreneurship or research project, or an honours project.	**Assumed knowledge** Refer to B Arts/ B Advanced Studies	Current affairs journalist, government and public service administrator, non-government or private sector administrator, policy researcher and consultant, political adviser, think tank participant The degree will equip you to pursue a wide range of careers where knowledge of the interactions between international and domestic politics is necessary.

'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

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	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Arts/B Laws **ATAR** 99.5 **IB** 43 **UAC** 513800 5 years full time **Dalyell by invitation**	The highly regarded Bachelor of Arts and Bachelor of Laws will challenge your outlook and give you the skill set to think differently about how to find real-world, workable and ethical solutions to contemporary problems and issues. Arts/Laws students have the exclusive opportunity to undertake majors in Media Studies and Global Studies as part of the University of Sydney's undergraduate curriculum. You'll also have access to the Open Learning Environment and electives from the shared pool.	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. 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. Fifth year: Private International Law A and seven elective units of study.	**Assumed knowledge** Refer to B Arts For Law: None	Refer to B Arts For Law: solicitor, barrister, magistrate, judge, diplomacy, foreign affairs, human rights, international relations, investment banking, journalism, management consultancy, public policy
B Arts/ B Social Work **ATAR** 80 **IB** 28 **UAC** 513275 5 years full time **Dalyell by invitation**	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.	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.	**Assumed knowledge** Refer to B Arts For Social Work: depends on the subjects chosen	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
B Arts/ D Medicine† **ATAR** A+C (99.95)* **IB** A+C (45)* **UAC** 513715 7 years full time **Dalyell by invitation**	This double degree gives you the opportunity to study arts and social sciences before undertaking medicine. 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). 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. In this degree, you will have an opportunity to become a Dalyell scholar, in addition to access to the shared pool of majors, minors and electives and Open Learning Environment to expand your interests.	Refer to B Arts. 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. During the B Arts, you will also complete foundational knowledge units for medicine (in science), a zero-credit-point subject in medicine, and Open Learning Environment units. 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. If you become a Dalyell Scholar, you 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.	**Assumed knowledge** Refer to B Arts **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	General practice, surgery or other specialities, research, pharmaceutical industry, forensic anthropologist, government policy officer, medical journalism, aid work, management consultancy, teaching, medical administration, medical communication
B Arts/ M NursingΦ **ATAR** 80 **IB** 28 **UAC** 513740 4 years full time **Dalyell by invitation**	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. During the Master of Nursing, students undertake core units in nursing and more than 800 clinical placement hours in varied settings including emergency departments, paediatric units, mental health facilities and community health centres.	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. Focus areas for Nursing include: acute care, aged care, chronic illness, clinical practice, Indigenous health, mental healthcare and management, pharmacology, physiology, professional practice, social and health	**Assumed knowledge** Refer to B Arts	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

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Commerce **ATAR** 95 **IB** 36 **UAC** 513300 3 years full time **Dalyell by invitation**	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.	You will choose one major from the options below and a second major or a minor either from the shared pool or these options: 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).	**Assumed knowledge** Mathematics; other assumed knowledge depends on the first-year subjects selected **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	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
B Commerce/ B Advanced Studies **ATAR** 95 **IB** 36 **UAC** 513305 4 years full time	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'll do advanced coursework and either a substantial real-world industry, community, entrepreneurship or research project or an honours project.	You will choose one major from the options below and a second major from the shared pool or these options: 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).	**Assumed knowledge** Mathematics; other assumed knowledge depends on the first-year subjects selected **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	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
B Commerce/ B Advanced Studies (Dalyell Scholars)[‡] **ATAR** 98 **IB** 40 **UAC** 513310 4 years full time **Dalyell by application**	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'll do advanced coursework and either a substantial real-world industry, community, entrepreneurship or research project or an honours project.	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 enrichment units of study from outside your primary discipline, mentoring and professional skill development, and the option for a global mobility experience.	**Assumed knowledge** Mathematics; other assumed knowledge depends on the first-year subjects selected **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	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
B Commerce/ B Laws **ATAR** 99.5 **IB** 43 **UAC** 513800 5 years full time **Dalyell by invitation**	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 in-depth 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.	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. Fifth year: Private International Law A and seven elective units of study.	**Assumed knowledge** Mathematics; other assumed knowledge depends on the first-year subjects selected For Law: None **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Refer to B Commerce *For law:* solicitor, barrister, magistrate, judge, diplomacy, foreign affairs, human rights, international relations, investment banking, journalism, management consultancy, public policy
B Design Computing **ATAR** 80 **IB** 28 **UAC** 513105 3 years full time	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 coding, will make you highly sought after by a range of employers.	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.	**Assumed knowledge** Mathematics	Interaction designer, user experience designer, creative technologist, web designer, digital production, product designer

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A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

* ATAR/IB scores with an asterisk are indicative only and not guaranteed for admission in 2020.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Design Computing/ B Advanced Studies **ATAR** 80 **IB** 28 **UAC** 513110 4 years full time **Dalyell by invitation**	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 coding, 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.	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, Open Learning Environment units, and a research, community, industry or entrepreneurship project in your fourth year.	**Assumed knowledge** Mathematics	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
B Design in Architecture **ATAR** 95 **IB** 37 **UAC** 513115 3 years full time	The Bachelor of Design in Architecture is offered by the University of Sydney School of Architecture, Design and Planning, ranked first in Australia and in the top 16th in the world for Architecture/ Built Environment (QS World University Rankings by Subject 2018). This degree introduces you to the rewarding profession of architecture and is your first step to becoming a registered architect. In this degree you will learn to design for the built environment through a studio-based program that involves working on real-world projects in and around Sydney.	Core areas of study include architectural design, architectural history and theory, architectural technologies, architecture workshops, environment and sustainability, professional practice and architectural communications. You can take electives from the University of Sydney School of Architecture, Design and Planning as well as from other faculties and schools.	**Assumed knowledge** English Advanced and Mathematics	Architect (with additional study), architectural technologist, interior and spacial designer, urban designer, project manager, property developer
B Design in Architecture (Honours)/ M Architectureϕ **ATAR** 97* **IB** 39* **UAC** 513120 5 years full time	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 can take electives from the University of Sydney School of Architecture, Design and Planning as well as from other faculties and schools.	**Assumed knowledge** English Advanced and Mathematics	Architect, design manager, academic
B Economics **ATAR** 90 **IB** 33 **UAC** 513225 3 years full time **Dalyell by invitation**	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 world 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 complete a program in Economics which includes a major from the list below, and a minor or second major from the shared pool: Economics; Econometrics; Financial Economics; Environmental, Agricultural and Resource Economics. You'll also complete units from the Open Learning Environment.	**Assumed knowledge** Mathematics **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Accountant, banker, business consultant, business information systems analyst, economic analyst, economist, financial manager, government or NGO worker, human resource manager, industrial relations specialist, researcher, social policy adviser This degree will also equip you with the 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.

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Economics/ B Advanced Studies **ATAR** 90 **IB** 33 **UAC** 513230 4 years full time **Dalyell by invitation**	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 complete a program in Economics which includes a major from the list below, and a minor or second major from the shared pool: Economics; Econometrics; Financial Economics; Environmental, Agricultural and Resource Economics. In your final year, you will undertake advanced coursework and either an honours project or a substantial research, community, industry 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** Mathematics **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Accountant, banker, business consultant, business information systems analyst, economic analyst, economist, financial manager, government or NGO worker, human resource manager, industrial relations specialist, researcher, social policy adviser
B Economics (Dual Degree, Sciences Po, France)** **ATAR** A+C **IB** A+C **UAC** na 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 the Sciences Po website: **www.sciencespo.fr/en/home**	**Assumed knowledge** Mathematics **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Accountant, banker, business consultant, business information systems analyst, economic analyst, economist, financial manager, human resource manager, industrial relations specialist, researcher, social policy adviser
B Economics/ B Laws **ATAR** 99.5 **IB** 43 **UAC** 513800 5 years full time **Dalyell by invitation**	Discover where economics and law collide with this versatile combined degree combination. Choose from a career in business, finance or law and experience how this 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 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. Fifth year: Private International Law A and seven elective units of study.	**Assumed knowledge** Mathematics For Law: None **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Refer to B Economics For Law: solicitor, barrister, magistrate, judge, diplomacy, foreign affairs, human rights, international relations, investment banking, journalism, management consultancy, public policy
B Education (Early Childhood) **ATAR** 77 **IB** 27 **UAC** 513240 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, and scope to develop and apply research skills in an honours pathway.	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.	**Assumed knowledge** Depends on the units of study chosen	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. **Professional recognition** Australian Children's Education and Care Quality Authority

'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

* ATAR/IB scores with an asterisk are indicative only and not guaranteed for admission in 2020.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Education (Health and Physical Education)^ **ATAR** A+C (80) **IB** A+C (28) **UAC** 513245 4 years full time	This degree will give you a professional qualification to teach in secondary schools in the area of personal development, health and physical education (PDHPE), along with a second teaching area of specialisation. If you are passionate about health, sport and the science of movement, this is the perfect course for you. It offers a range of unique experiences, including the opportunity to specialise in PDHPE. Service learning and community engagement are key features of this degree. You will be given service learning opportunities and work with educational, health and sporting organisations. Totalling 140 hours, this will supplement your professional experience placement in schools.	You need to select two teaching areas: the first will be health and physical education. Second teaching areas may include: Aboriginal studies, biology, business studies, chemistry, commerce, drama, economics, English, geography, history (ancient and modern), languages and mathematics. Professional experience placements (totalling 80 days) begin in the first year of the course and progressively increase until the final placement, when you will be competent to teach under minimal supervision.	**Prerequisite** The NSW Education Standards Authority 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.	Teaching in secondary schools or careers in corporate training and human resource settings, community health, coaching, recreation and sport **Professional recognition** NSW Education Standards Authority, NSW Department of Education, Association of Independent Schools of NSW, Catholic Education Office
B Education (Primary)^ **ATAR** A+C (85) **IB** A+C (31) **UAC** 513250 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 **Prerequisite** The NSW Education Standards Authority 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 **ATAR** A+C (80) **IB** A+C (28) **UAC** 513255 5 years full time **Dalyell by invitation**	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 and units from the Open Learning Environment. You need to select two teaching areas; 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	Teacher in areas including English, drama, history, mathematics, 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

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Education (Secondary: Mathematics)/ B Science **ATAR** A+C (80) **IB** A+C (28) **UAC** 513260 5 years full time **Dalyell by invitation**	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 and units from the Open Learning Environment. A major must be taken in Mathematics. A second teaching area can be taken in one of the following: Aboriginal studies, biology, business studies/commerce, chemistry, drama, economics/ commerce, English, geography, history, languages, physics, and teaching English to speakers of other languages (TESOL). If you are intending to teach science at a secondary level after graduating, you need to complete at least one year of study in chemistry or physics during your degree.	**Assumed knowledge** Mathematics or Mathematics Extension 1; other assumed knowledge depends on the areas or units studied **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	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
B Education (Secondary: Science)/ B Science **ATAR** A+C (80) **IB** A+C (28) **UAC** 513265 5 years full time **Dalyell by invitation**	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.	You will take core units of study in education, along with intensive study and professional experience in teaching areas and units from the Open Learning Environment. Two teaching areas are selected from the following: biology, chemistry, geography, mathematics, physics. A major must be taken in a science teaching area. If you are intending to teach science at a secondary level after graduating, you need to complete at least 12 credit points of study in both mathematics and chemistry or physics during your degree.	**Assumed knowledge** For B Science: Mathematics or Mathematics Extension 1; other assumed knowledge depends on the areas or units studied **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	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)[‡] **ATAR** 98 **IB** 40 **UAC** 513571 4 years full time **Dalyell by application**	Lead the next wave of engineering and information technology innovation. Replacing the Advanced Engineering stream, the Dalyell Scholars stream is open to engineering 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.	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 the option for a global mobility experience.	**Assumed knowledge** Refer to the relevant engineering stream **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	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) **ATAR** 92 **IB** 34 **UAC** 513525 4 years full time	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.	If you are a high-achieving student with an ATAR of 99 (or equivalent) or above, you may choose to do the Space Engineering major. Other majors that best align with this stream are Computational Engineering, and Engineering Design. Majors are optional.	**Assumed knowledge** Mathematics Extension 1 and Physics **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Design research and certification in the airline/aerospace industry, general engineering positions, and manufacturing and assembly

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A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

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	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Engineering Honours (Biomedical) **ATAR** 92 **IB** 34 **UAC** 513530 4 years full time	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.	The majors that best align with this stream are Chemical Engineering, Electrical Engineering, Humanitarian Engineering, Information Technology, Mechanical Engineering, and Mechatronic Engineering. Majors are optional.	**Assumed knowledge** Mathematics Extension 1, Physics and/or Chemistry **Recommended studies** Biology **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	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) **ATAR** 92 **IB** 34 **UAC** 513535 4 years full time	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 current processes and address pressing environmental challenges.	The majors that best align with this stream are Water and Environmental Treatment Processes, and Process Intensification. Majors are optional.	**Assumed knowledge** Mathematics Extension 1 and Chemistry **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	All sectors of the process industries, from primary resource industries through to fine chemicals and sophisticated manufacturing
B Engineering Honours (Civil) **ATAR** 92 **IB** 34 **UAC** 513540 4 years full time	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.	The majors that best align with this stream are Construction Management, Environmental Engineering, Geotechnical Engineering, Humanitarian Engineering, Structures, and Transport. Majors are optional.	**Assumed knowledge** Mathematics Extension 1 and Physics **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Aid worker, airport and harbour authorities, banks, construction and mining companies, engineering and infrastructure consultants, humanitarian architect, town planner, project management and public works, sustainability specialist
B Engineering Honours (Electrical) **ATAR** 92 **IB** 34 **UAC** 513545 4 years full time	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 electronic devices, computers, communications systems and power systems that have, and continue to transform society.	The majors that best align with this stream are Computer Engineering, Internet of Things, Power Engineering, and Telecommunications Engineering. Majors are optional.	**Assumed knowledge** Mathematics Extension 1 and Physics **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	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) **ATAR** 92 **IB** 34 **UAC** 513550 4 years full time	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. You will still complete your engineering degree in the normal time (four years).	After commencing your studies in the Flexible First Year stream, you will have the opportunity to pursue an optional major once you have transferred to a stream. You can find information about which majors align best with the different engineering streams under the individual stream information.	**Assumed knowledge** Mathematics Extension 1, Physics and/or Chemistry **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Refer to individual engineering streams for examples
B Engineering Honours (Mechanical) **ATAR** 92 **IB** 34 **UAC** 513555 4 years full time	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.	If you are a high-achieving student with an ATAR of 99 (or equivalent) or above, you may apply for the Space Engineering major. Other majors that best align with this stream are Computational Engineering; Energy and the Environment; Engineering Design; Fluids Engineering; and Materials Science and Engineering.	**Assumed knowledge** Mathematics Extension 1 and Physics **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Automated facilities, automatic control systems, biomedical implant design, building industry, design of automotive, undersea exploration and space vehicles, environmental pollution control, manufacturing industry, and mineral exploration

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Engineering Honours (Mechatronic) **ATAR** 92 **IB** 34 **UAC** 513560 4 years full time	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.	If you are a high-achieving student with an ATAR of 99 (or equivalent) or above, you may apply for the Space Engineering major. The other major that best aligns with this stream is Robotics and Intelligent Systems. Majors are optional.	**Assumed knowledge** Mathematics Extension 1 and Physics **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Automatic control systems, product design and development, robotics and automation for advanced manufacturing, and software design and development for real-time computer systems
B Engineering Honours (Software) **ATAR** 92 **IB** 34 **UAC** 513565 4 years full time	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.	The majors that best align with this stream are Internet of Things, Computer Engineering, Power Engineering, and Telecommunications Engineering. Majors are optional.	**Assumed knowledge** Mathematics Extension 1 and Physics **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Artificial intelligence, control systems, database management, information technology, internet programming, language compliers, multimedia and telecommunication software systems, real-time software engineering and reliable biomedical systems
B Engineering Honours with Space Engineering major **ATAR** 99 **IB** 42 **UAC** 513570 4 years full time **Dalyell by invitation**	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.	The Space Engineering 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** Mathematics Extension 1 and Physics **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	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.
B Engineering Honours/ B Arts **ATAR** 92 **IB** 34 **UAC** 513575 5 years full time **Dalyell by invitation**	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.	In addition to the relevant B Engineering Honours stream requirements, you will take a major from B Arts.	**Assumed knowledge** Mathematics Extension 1 and, either Physics or Chemistry, depending on the Engineering stream; refer to the relevant stream **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Refer to relevant B Engineering Honours stream and B Arts
B Engineering Honours/ B Commerce **ATAR** 95 **IB** 36 **UAC** 513580 5 years full time **Dalyell by invitation**	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.	In addition to the relevant B Engineering Honours stream requirements, you will take a major from B Commerce.	**Assumed knowledge** Mathematics Extension 1 and, either Physics or Chemistry, depending on the engineering stream; refer to the relevant stream **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Refer to relevant B Engineering Honours stream and B Commerce

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A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

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	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Engineering Honours (Civil)/B Design in Architecture **ATAR** 95 **IB** 37 **UAC** 513585 5 years full time **Dalyell by invitation**	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 design its skeleton to support these forces, complemented by the conceptual and aesthetic essentials of the design process. You will have access to electives drawn from across disciplines in arts, digital design, sustainability and urban design.	Refer to the B Engineering Honours (Civil) stream and B Design in Architecture for requirements.	**Assumed knowledge** Mathematics Extension 1 and Physics For Architecture: English (Advanced) **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Aid worker, airport and harbour authorities, architecture, architectural technology, banking, construction and mining, engineering and infrastructure consultants, humanitarian architect, interior and spacial design, municipal councils, project management, property development, public works and urban design, sustainability specialist
B Engineering Honours/ B Laws **ATAR** 99.5 **IB** 43 **UAC** 513800 6 years full time **Dalyell by invitation**	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.	In addition to the relevant B Engineering stream requirements, you will undertake Law units of study. 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. Fifth year: Private International Law A and seven elective units of study.	**Assumed knowledge** Mathematics Extension 1 and, either Physics or Chemistry, depending on the engineering stream; refer to the relevant stream For Law: None **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Refer to the relevant B Engineering Honours stream. For Law: solicitor, barrister, magistrate, judge, diplomacy, foreign affairs, human rights, international relations, investment banking, journalism, management consultancy, public policy
B Engineering Honours/ B Project Management **ATAR** 92 **IB** 34 **UAC** 513590 5 years full time **Dalyell by invitation**	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.	In addition to the relevant B Engineering Honours stream requirements, you will take a major from B Project Management.	**Assumed knowledge** Mathematics Extension 1 and, either Physics or Chemistry, depending on the engineering stream; refer to the relevant stream **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Refer to the relevant B Engineering Honours stream and B Project Management
B Engineering Honours/ B Science **ATAR** 92 **IB** 34 **UAC** 513595 5 years full time **Dalyell by invitation**	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.	In addition to the relevant B Engineering Honours stream requirements, you will take a major from B Science.	**Assumed knowledge** 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. **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Refer to the relevant B Engineering Honours stream and B Science

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Engineering Honours/ B Science (Health) **ATAR** 92 **IB** 34 **UAC** 513600 5 years full time **Dalyell by invitation**	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.	In addition to the relevant B Engineering Honours stream requirements, you will complete a Health major in B Science (Health).	**Assumed knowledge** Mathematics Extension 1, Physics and/or Chemistry. Other assumed knowledge depends on the science programs or areas studied. **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Refer to the relevant B Engineering Honours stream and B Science (Health)
B Engineering Honours/ B Science (Medical Science) **ATAR** 92 **IB** 34 **UAC** 513605 5 years full time **Dalyell by invitation**	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.	In addition to the relevant B Engineering Honours stream requirements, you will complete a program in Medical Science, including a Medical Science major in B Science (Medical Science).	**Assumed knowledge** Mathematics Extension 1, Chemistry, and either Biology or Physics **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Refer to the relevant B Engineering Honours stream and B Science (Medical Science)

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A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

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	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Liberal Arts and Science **ATAR** 70 **IB** 25 **UAC** 513900 3 years full time	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.	Arts majors include: American Studies; Ancient Greek; Ancient History; Anthropology; Arabic Language and Cultures; Archaeology; Art History; Asian Studies; Biblical Studies and Classical Hebrew; Chinese Studies; Criminology (minor only); Criminology; Cultural Studies; Digital Cultures; Economics; Economic Policy; Econometrics; English; Environmental, Agricultural and Resource Economics; 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; Socio-legal Studies; Sociology; Spanish and Latin American Studies; Studies in Religion; Theatre and Performance Studies. Science majors include: 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 Studies; Financial Mathematics and Statistics; Food Science; Genetics and Genomics; Geography; Geology and Geophysics; History and Philosophy of Science; Immunology and Pathology; Infectious Diseases; Information Systems; Marine Science; Mathematics; Medicinal Chemistry; Microbiology; Nutrition Science; Pharmacology; Physics; Physiology; Plant Production; Psychological Science; Quantitative Life Sciences; Software Development; Soil Science and Hydrology; Statistics.	**Assumed knowledge** Depends on the subject areas chosen	Anthropologist, archaeologist, archivist, art or science historian, business administrator or manager, biosecurity researcher, documentary maker, editor or publisher, ecologist, environmental policymaker, food chemistry analyst, foreign affairs and trade officer, geometrist, government policy officer, historian, heritage specialist, human resources manager, hydrologist, information specialist, journalist, language specialist, media and communications adviser, museum or gallery curator, plant geneticist, researcher, scientist, sociologist
B Music **ATAR** A+C **IB** A+C **UAC** 513400 4 years full time	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.	You will choose from the following programs: Contemporary Music Practice; Creative Music; Digital Music and Media; Improvised Music; or choose a Musicology major. You may also take an optional major or electives from the shared pool and the Open Learning Environment.	**Assumed knowledge** Music 1 or equivalent	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

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Music (Composition) **ATAR** A+C **IB** A+C **UAC** 513405 4 years full time	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.	You will have the opportunity to study in both traditional and electroacoustic composition areas, including computer music, digital music and sound art. Core studies are taken in analysis, composer performance workshop, composition through improvisation, history and culture, and music skills (aural perception, harmony and analysis, music technology and sound recording).	**Assumed knowledge** Music 1 or 2 or equivalent	Composer, contemporary musician, concert entrepreneur, music teacher
B Music (Music Education)^ **ATAR** A+C **IB** A+C **UAC** 513410 4 years full time	Music educators train the musicians of tomorrow. The Music Education stream immerses students in the Sydney Conservatorium of Music's melting pot of performance, composition and teaching. While preparing to become accredited classroom teachers, our music education students undertake a principal study in Performance (Jazz or Classical), Musicology or Composition.	Music education, plus instrument or voice or academic study selected from Classical Music, Jazz Studies, Historical Performance, Composition or Musicology. Studies are also undertaken in analysis, history and cultural studies, and music skills (aural perception, harmony and analysis).	**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.	Classroom music teacher, private music teacher, conductor, orchestral musician, chamber musician, concert soloist **Professional recognition** The NSW Education Standards Authority, NSW Department of Education and Communities, Association of Independent Schools of NSW, Catholic Education Office
B Music (Performance) **ATAR** A+C **IB** A+C **UAC** 513415 4 years full time	The internationally regarded Bachelor of Music (Performance) at the Sydney Conservatorium of Music produces performers of the highest calibre. You will combine your chosen principal study with orchestral studies and chamber music, and core studies. You will benefit from one-on-one tuition and make use of the Conservatorium's excellent facilities. There are also opportunities for international tours with professional orchestras, bands and ensembles. You will undergo a comprehensive education on your chosen instrument, designed to push your creative and performative abilities to the next level.	You will take an instrumental or vocal 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.	**Assumed knowledge** Music 2 or equivalent	Concert soloist, contemporary musician, private music teacher, orchestral musician, chamber musician, concert entrepreneur, arts manager
B Nursing (Advanced Studies) **ATAR** 84 **IB** 30 **UAC** 513735 3 years full time	Provide high-quality care and change lives. The Bachelor of Nursing (Advanced Studies) helps you develop 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.	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.	**Assumed knowledge** None	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
B Oral Health **ATAR** A+C (83)* **IB** A+C (30)* **UAC** 513700 3 years full time	Through theoretical and clinical learning sessions, the Bachelor of Oral Health equips you with the required knowledge, clinical skills and experience to deliver periodontal assessment and non-surgical, simple restorative treatment, and oral health education and promotion to patients (of all ages) and communities. 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 and dental therapy service, and oral health promotion.	**Recommended studies** Biology and/or Chemistry	Oral health therapist, dental hygienist, dental therapist, community oral health educator/ consultant/advocate **Professional recognition** Australian Dental Council, Dental Board of Australia

'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

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	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Pharmacy **ATAR** 90 **IB** 33 **UAC** 513760 4 years full time	Pharmacists are an integral part of the healthcare system and have the capacity to directly affect peoples' lives and lifestyles. In this course you will develop a comprehensive understanding of how drugs are developed, how medications affect the human body and how to work as part of a greater healthcare team. Combining hands-on learning and clinical experience, this degree is your pathway to becoming a registered pharmacist.	Completion of a major is not a requirement in this degree. Your studies will include biology, medicinal chemistry, pharmaceutical sciences, pharmaceutics, pharmacology and pharmacy practice. In the final year, you will have the option to complete studies in either industrial pharmacy (consisting of an extended professional placement) or international pharmacy, which provides an opportunity to participate in an international exchange.	**Assumed knowledge** Mathematics and Chemistry **Recommended studies** Biology or Physics **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Pharmacist A wide variety of career choices are 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** The degree is accredited by the Australian Pharmacy Council and leads to registration as a pharmacist with the Pharmacy Board of Australia.
B Pharmacy and Management **ATAR** 90 **IB** 33 **UAC** 513765 5 years full time	This degree interweaves the Bachelor of Pharmacy with business studies to help you develop the commercial and communication skills necessary to thrive in a changing and competitive healthcare landscape. Pharmacists are an integral part of the healthcare system and play a vital and important role in healthcare provision. In this course you will develop a comprehensive understanding of how drugs are developed, how medications affect the human body and how to work as part of a greater healthcare team. Combining hands-on learning and clinical experience, this is your pathway to becoming a registered pharmacist, but with a difference.	Completion of a major is not a requirement in this degree. Your studies will include biology, medicinal chemistry, pharmaceutical sciences, pharmaceutics, pharmacology and pharmacy practice as well as business. In the final year, you will have the option to complete studies in either industrial pharmacy (consisting of an extended professional placement) or international pharmacy, which provides an opportunity to participate in an international exchange.	**Assumed knowledge** Mathematics and Chemistry **Recommended studies** Biology or Physics **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Pharmacist A wide variety of career choices are 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** The degree is accredited by the Australian Pharmacy Council and leads to registration as a pharmacist with the Pharmacy Board of Australia.
B Project Management **ATAR** 86 **IB** 31 **UAC** 513610 3 years full time	This degree is unlike any other project management degree in Australia. It 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.	Choose one major either from the project management options in construction or built environment, or from the shared pool of majors. Built Environment stream units are held within the University of Sydney School of Architecture, Design and Planning. You can also take a project management minor in People and Change, or Project Controls.	**Assumed knowledge** Mathematics Extension 1 **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	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
B Psychology **ATAR** 95* **IB** 37* **UAC** 513905 4 years full time **Dalyell by invitation**	The Bachelor of Psychology is ideal for the student who knows they want to work 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.	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.	**Assumed knowledge** Mathematics. **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Clinical psychologist (with additional study), neuroscientist, organisational psychologist, market researcher, advertising executive, social psychology researcher, learning and attention researcher **Professional recognition** Accreditation with the Australian Psychology Accreditation Council

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Science **ATAR** 80 **IB** 28 **UAC** 513910 3 years full time **Dalyell by invitation**	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 with the breadth and depth of knowledge and the critical analytical skills to pursue an extensive range of established and emerging careers. It will prepare you for the jobs of the future.	You will choose Open Learning Environment units, one major from the options below and either a second major or a minor 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 - available for ATAR 98 or equivalent); 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; Taronga Wildlife Conservation (program); Virology (minor only); Wildlife Conservation major (Taronga Wildlife Conservation program only).	**Assumed knowledge** Mathematics or Mathematics Extension 1. All students undertake some study in mathematics. **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	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
B Science (Health) **ATAR** 80 **IB** 28 **UAC** 513915 3 years full time **Dalyell by invitation**	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.	You are required to complete the Health major in this stream. You will complete a second major or minor from those available in the B Science, in Human Movement (only available to students enrolled in the Health stream) or from the shared pool of majors and minors. You will also complete Open Learning Environment units.	**Assumed knowledge** Mathematics or Mathematics Extension 1. All students undertake some study in mathematics. For the Human Movement major: Chemistry **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Health promotion, policymaking, project and case management, healthcare administration, insurance, business development, marketing and public relations, research assistance, strength and conditioning consultant, research assistant
B Science (Medical Science) **ATAR** 90 **IB** 33 **UAC** 513925 3 years full time **Dalyell by invitation**	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. You will also complete a second major or minor from those available in the B Science or from the shared pool and Open Learning Environment units.	**Assumed knowledge** Mathematics or Mathematics Extension 1, Chemistry and either Physics or Biology. All students undertake some study in mathematics. **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Medical researcher, pathologist, doctor (after further study), dentist (after further study), histologist, physiologist, microbiologist, biochemist, biomedical device designer

'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

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	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Science/ B Advanced Studies **ATAR** 80 **IB** 28 **UAC** 513930 4 years full time	This degree 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, 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 – from the sciences and beyond. During this degree you will combine studies from a range of disciplines in the shared pool. 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.	You will choose one major from the list below and a second major from these options or from the shared pool. You'll also complete units from the Open Learning Environment. 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 Studies; Environmental Science (program); Financial Mathematics and Statistics; Food Science; Genetics and Genomics; Geography; Geology and Geophysics; History and Philosophy of Science; Immunology and Pathology; Infectious Diseases; Information Systems; Marine Science; Mathematical Sciences (program – available for ATAR 98 or equivalent); Mathematics; Medicinal Chemistry; Microbiology; Nanoscience and Nanotechnology (program); Neuroscience (program); Nutrition Science; Pharmacology; Physics; Physiology; Plant Production; Psychological Science; Psychology (program); Quantitative Life Sciences; Software Development; Soil Science and Hydrology; Statistics.	**Assumed knowledge** Mathematics or Mathematics Extension 1. All students undertake some study in mathematics. Other assumed knowledge depends on subjects chosen. **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, investment banker, journalist, mathematician, medical scientist, nanoscientist, nutritionist (after further study), psychologist (after further study), plant geneticist, soil scientist
B Science/ B Advanced Studies (Dalyell Scholars including Mathematical Sciences)‡ **ATAR** 98 **IB** 40 **UAC** 513911 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. During this degree you will combine studies from a range of disciplines in the shared pool. 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. Dalyell Scholars can undertake a Mathematical Sciences program to combine their 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 the option for a global mobility experience. You'll also complete units from the Open Learning Environment.	**Assumed knowledge** Mathematics or Mathematics Extension 1. All students undertake some study in mathematics. Other assumed knowledge depends on subjects chosen. **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, investment banker, journalist, mathematician, medical scientist, nanoscientist, nutritionist (after further study), psychologist (after further study), plant geneticist, soil scientist

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Science/ B Advanced Studies (Advanced) **ATAR** 95 **IB** 37 **UAC** 513935 4 years full time **Dalyell by invitation**	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. During this degree you will undertake advanced versions of units of study within your selected majors and combine studies from a range of disciplines in the shared pool. 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.	Refer to B Science/B Advanced Studies. Majors with advanced units of study include: Anatomy and Histology; Applied Medical Science, Biochemistry and Molecular Biology; Biology; Cell and Developmental Biology; Chemistry; Computer Science; Data Science; Ecology and Evolutionary Biology; Environmental Studies; Financial Mathematics and Statistics; Genetics and Genomics; Geography; Geology and Geophysics; Immunology and Pathology; Infectious Diseases; Marine Science; Mathematics; Medicinal Chemistry; Microbiology; Neuroscience; Nutrition Science; Pharmacology; Physics; Physiology; Psychological Science; Qualitative Life Sciences; Statistics. A second major must also be taken from these options or from the shared pool. You will also complete Open Learning Environment units.	**Assumed knowledge** Mathematics or Mathematics Extension 1. All students undertake some study in mathematics. Other assumed knowledge depends on subjects chosen. **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, investment banker, journalist, mathematician, medical scientist, nanoscientist, nutritionist (after further study), psychologist (after further study), plant geneticist, soil scientist, veterinarian (after further study)
B Science/ B Advanced Studies (Agriculture) **ATAR** 75 **IB** 26 **UAC** 513940 4 years full time **Dalyell by invitation**	Whether you dream about being at the forefront of agricultural research, or want to help make the future of food more secure and the planet a better place, this degree will give you highly sought-after skills for a huge range of careers. During this degree you will combine studies from a range of disciplines in the shared pool. 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.	This stream requires completion of a program in Agriculture, including a major in Animal Production, Plant Production or Soil Science and Hydrology. You will also complete a second major from those available in the B Science or from the shared pool and Open Learning Environment units.	**Assumed knowledge** Mathematics and Chemistry. All students undertake some study in mathematics. **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Agronomist, sustainable agriculture researcher, plant geneticist, animal reproduction specialist, environmental microbiologist, agricultural journalist, commodities trader, precision soil scientist
B Science/ B Advanced Studies (Animal and Veterinary Bioscience) **ATAR** 80 **IB** 28 **UAC** 513945 4 years full time **Dalyell by invitation**	To further your passion for animal biology, this degree will give you fundamental and applied knowledge in animal bioscience. You will acquire a broad overview of both domestic animals and wildlife species, how they interact with their environment, and an integrated comparative knowledge in fields such as applied biotechnologies, reproduction and nutrition. This will be supported by detailed knowledge of animal structure and function and a focus on application of innovative approaches and technologies to enhance animal management and welfare. 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.	This stream requires completion of a program in Animal and Veterinary Bioscience, including an Animal and Veterinary Bioscience major. You will complete a second major from those available in the B Science or from the shared pool. You'll also complete units from the Open Learning Environment.	**Assumed knowledge** Mathematics and Chemistry. All students undertake some study in mathematics. **Recommended studies** Biology **Prerequisite**[Δ] Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Agricultural scientist, animal health and welfare professional, animal ethicist, animal nutritionist, biosecurity researcher, ecologist, environmental policymaker, geneticist, wildlife population manager, veterinarian (with further study in the Doctor of Veterinary Medicine)

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A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

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	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Science/ B Advanced Studies (Food and Agribusiness) **ATAR** 80 **IB** 28 **UAC** 513950 4 years full time **Dalyell by invitation**	This degree will introduce you to the study of both food science and business. This combination of disciplines will give you the desirable and distinct set of skills and knowledge that are in high demand in Australia's rapidly growing food and beverage sector. In this degree, you will undertake advanced coursework and have access to the Open Learning Environment. During this degree you will combine studies from a range of disciplines in the shared pool. 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.	This stream requires completion of a program in Food and Agribusiness, including a major in Food Science and a second major from the list below. You'll also complete units from the Open Learning Environment. Majors include: Accounting; Environmental, Agricultural and Resource Economics; Banking; Business Analytics; Business Information Systems; Business Law; Econometrics; Economic Policy; Economics; Finance; Financial Economics; Industrial Relations and Human Resource Management; International Business; Management; Marketing.	**Assumed knowledge** Mathematics, Chemistry. All students undertake some study in mathematics. **Recommended studies** Biology **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Agribusiness consultant, food chemist, food safety specialist, food technologist, laboratory technician, market researcher, product/ process developer, quality assurance manager, procurement officer, regulatory affairs officer, research scientist, sales and marketing, supply chain and logistics manager
B Science/ B Advanced Studies (Health) **ATAR** 80 **IB** 28 **UAC** 513920 4 years full time **Dalyell by invitation**	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. During this degree you will combine studies from a range of disciplines in the shared pool. 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.	You are required to complete the Health major in this stream. You will complete a second major or minor from those available in the B Science, in Human Movement (only available to students enrolled in the Health stream) or from the shared pool. You'll also complete units from the Open Learning Environment.	**Assumed knowledge** Mathematics or Mathematics Extension 1. All students undertake some study in mathematics. For the Human Movement major: Chemistry **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Health promotion, policy making, healthcare administration, project and case management, insurance, business development, marketing and public relations, research assistant, sports and conditioning consultant
B Science/ B Advanced Studies (Medical Science) **ATAR** 90 **IB** 33 **UAC** 513960 4 years full time **Dalyell by invitation**	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 complete either an honours project or a substantial research, community, industry or entrepreneurship project.	This stream requires completion of a program in Medical Science, including a Medical Science major (B Science (Medical Science)). You will complete a second major or minor from these options, those available in the B Science or from the shared pool. You'll also complete units from the Open Learning Environment.	**Assumed knowledge** Mathematics or Mathematics Extension 1, Chemistry and either Physics or Biology. All students undertake some study in mathematics. **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Medical researcher, pathologist, doctor (with further study), dentist (with further study), histologist, physiologist, microbiologist, biochemist, biomedical device designer, anatomy researcher, infectious diseases researcher, geneticist

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Science/ B Advanced Studies (Taronga Wildlife Conservation) **ATAR** 85 **IB** 31 **UAC** 513961 4 years full time **Dalyell by invitation**	If you dream of making an impact in wildlife conservation to secure a future for wildlife and people, this unique degree will give you highly applicable and sought-after skills for a wide range of careers in conservation. You will be taught by dedicated researchers and practitioners from two of Australia's premier institutions, the University of Sydney and Taronga Conservation Society Australia, where you will learn advanced research skills in biology and wildlife conservation, and graduate with the knowledge to address global conservation challenges. 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.	You will take a program in Taronga Wildlife Conservation which includes a Wildlife Conservation major that combines biology and conservation management. You will complete a second major from the B Science or the shared pool. The Taronga Wildlife Conservation stream also includes additional prescribed units of study in mathematics and animal sciences. It will provide extensive training in wildlife conservation by incorporating the study of biodiversity and evolution, animal science, and animal behaviour and management. You'll also complete units from the Open Learning Environment.	**Assumed knowledge** Chemistry, Mathematics **Prerequisite**$^{\Delta}$ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Ecologist, animal reproduction specialist, conservationist, environmental policy maker, teacher (with further training), veterinarian (with further study), in fields including wildlife conservation, sustainability, environmental consulting, animal health, government and policy, NGOs, business and analytics
B Science/ B Laws **ATAR** 99.5 **IB** 43 **UAC** 513800 5 years full time **Dalyell by invitation**	The Bachelor of Science/Bachelor of Laws introduces you to a broad range of fundamental science subjects, while also developing the knowledge needed to tackle the challenges of the modern legal world. In this five year degree, you will spend the first three years undertaking a combination of science and law units, including your science major of choice. You will complete the remaining law units in your final two years where you can specialise in a particular area of law. The legal field needs professionals who can understand and translate complex science. You will graduate with a suite of specialist skills that will allow you to carve out a niche in the legal sector, including 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. Fifth year: Private International Law A and seven elective units of study.	**Assumed knowledge** Mathematics or Mathematics Extension 1. All students undertake some study in mathematics. Other assumed knowledge depends on subjects chosen. For Law: None **Prerequisite**$^{\Delta}$ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Refer to B Science and options below for science-specific careers: environmental lawyer, urban and regional planner, occupational health and safety specialist, forensic science technician, science policy specialist, technical specialist or associate undertaking intellectual property cases in science patents, copyright and trademark disputes. For Law: solicitor, barrister, magistrate, judge, diplomacy, foreign affairs, human rights, international relations, investment banking, journalism, management consultancy, public policy
B Science/ D Dental Medicine$^{\dagger\phi}$ **ATAR** A+C (99.5)* **IB** A+C (43)* **UAC** 513705 7 years full time **Dalyell by invitation**	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 have access to a suite of additional enrichment opportunities and be better prepared for any career path you choose. This double degree is delivered by the faculties of Science and Dentistry.	During the Bachelor of Science study, you could choose a wide range of majors and minors from across the sciences. Refer to B Science. You will also complete foundational knowledge units for biology and a zero-credit-point unit of independent learning activity related to dentistry and oral health. If you become a Dalyell Scholar, you will complete 12 credit points of distinctive Dalyell units designed to cultivate high-level graduate attributes. For the Doctor of Dental Medicine, you will study integrated clinical dentistry and life sciences, and also conduct a research project related to dentistry and oral health.	**Assumed knowledge** Refer to B Science **Prerequisite**$^{\Delta}$ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	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

'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

* ATAR/IB scores with an asterisk are indicative only and not guaranteed for admission in 2020.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Science/ D Medicine† **ATAR** A+C (99.95)* **IB** A+C (45)* **UAC** 513720 7 years full time **Dalyell by invitation**	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). With a deeper understanding of the scientific fundamentals that underpin medicine, you will be better prepared for any career in medicine, from specialisation to research and teaching. In this degree, you will have an opportunity to become a Dalyell scholar, in addition to access to the shared pool of majors, minors and electives and units from the Open Learning Environment to expand your interests. This degree is delivered by the Faculty of Science and the University of Sydney Medical School.	Refer to B Science. You may elect to complete the Medical Science stream or choose from a wide range of majors from across the sciences and either a second major or minor from science or the shared pool. During the B Science, you will also complete foundational knowledge units for medicine (in science) and Open Learning Environment units. 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. If you become a Dalyell Scholar, you 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.	**Assumed knowledge** Refer to B Science and/or B Science (Medical Science) **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	General practice, surgery or other specialities, research, pharmaceutical industry, management consultancy, teaching, medical administration, medical communication
B Science/ M Mathematical SciencesΦ **ATAR** 98 **IB** 40 **UAC** 513962 4.5 years full time **Dalyell by invitation**	Become a leader in the field of mathematics and statistics. This combined degree is designed to give you a foundation in science and provide you with deep training in mathematical sciences, including data science. You will choose a major and progress from undergraduate study to advanced, specialist course and project work in order to prepare you for further research or the workplace. Mathematics is a universal language – it opens doors to job opportunities around the world. Australia is experiencing an acute shortage of graduates qualified in the mathematical sciences, particularly in statistics and data science.	In the Bachelor of Science, you will complete a major in either Mathematics, Statistics, Financial Mathematics and Statistics, or Data Science. The second major or minor can be chosen from those available in the B Science or from the shared pool. You will also complete units from the Open Learning Environment. In the Master of Mathematics, you will complete advanced units with choices from pure mathematics, applied mathematics, financial mathematics, statistics and data science.	**Assumed knowledge** Mathematics Extension 2. Students with top band Extension 1 are also encouraged to apply. **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Business analyst, bioinformatician, 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 NursingΦ **ATAR** 80 **IB** 28 **UAC** 513745 4 years full time **Dalyell by invitation**	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. During the Master of Nursing, you will undertake more than 800 clinical placement hours in varied settings including emergency departments, paediatric units, mental health facilities and community health centres.	You will choose one major from those available in B Science (refer to B Science) and Open Learning Environment units. Focus areas for Nursing include: 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. All students undertake some study in mathematics. Other assumed knowledge depends on subjects chosen. **Prerequisite**Δ Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	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, anatomy, physiology and biomedical science, pharmacology and research

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Science (Health)/ M Nursing$^{\phi}$ **ATAR** 80 **IB** 28 **UAC** 513750 4 years full time **Dalyell by invitation**	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. During the Master of Nursing, you will undertake more than 800 clinical placement hours in varied settings including emergency departments, paediatric units, mental health facilities and community health centres.	You will complete a major in Health within the Health stream, a second major and Open Learning Environment units – refer to B Science (Health). Focus areas for Nursing include: 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. All students undertake some study in mathematics. **Prerequisite$^{\Delta}$** Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Registered nurse in a range of healthcare settings You can apply your knowledge of health systems in industries supporting healthcare, including e-health, mental health, industrial relations and management.
B Science/ M Nutrition and Dietetics$^{\phi}$ **ATAR** 97* **IB** 39* **UAC** 513965 5 years full time **Dalyell by invitation**	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.	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 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. All students undertake some study in mathematics. **Prerequisite$^{\Delta}$** Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent	Dietitian, nutritional researcher, hospital nutritionist, biochemist, food scientist **Professional recognition** Accreditation with the Dietitians Association of Australia
B Social Work **ATAR** 80 **IB** 28 **UAC** 513270 4 years full time	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. 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.	Your studies will include Indigenous Australian studies, social policy and social work, social research, sociology. In first and second year you may choose from the areas listed under B Arts. In third and fourth year, you will undertake a professional program in social work and social policy.	**Assumed knowledge** Depends on first-year subjects chosen	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
B Veterinary Biology/ D Veterinary Medicine$^{\phi}$ **ATAR** A+C (97)* **IB** A+C (39)* **UAC** 513970 6 years full time	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. Throughout your studies you will engage in work placement experiences in a broad range of small animal, large animal, and industry situations in preparation for introduction to the workforce following graduation.	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.	**Assumed knowledge** Chemistry, Mathematics and Physics **Recommended studies** Biology **Prerequisite$^{\Delta}$** Mathematics (Band 4) or Mathematics Extension 1 or 2 (Band E3), or equivalent.	Veterinarian, veterinary geneticist, small animal veterinarian, livestock veterinarian, equine veterinarian, biosecurity researcher, veterinary cardiologist, public health policymaker **Professional recognition** Graduates are eligible for registration with the Veterinary Practitioner Board in each state and territory in Australia
B Visual Arts **ATAR** A+C **IB** A+C **UAC** 513290 3 years full time	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 have access to a wide range of electives in contemporary art, the opportunity to complete a major from the shared pool of majors offered across the University and access to the Open Learning Environment.	**Recommended studies** Visual Arts and Design and Technology	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

'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
A+C, na, Δ, ^, †, ‡, ϕ, **: see 'Table notes' on page 78

* ATAR/IB scores with an asterisk are indicative only and not guaranteed for admission in 2020.

	Course description	Programs, majors and minors	Assumed knowledge/ Prerequisite	Career possibilities
B Visual Arts/ B Advanced Studies **ATAR** A+C **IB** A+C **UAC** 513295 4 years full time	The Bachelor of Visual Arts/ Bachelor of Advanced Studies is an exciting and diverse combined degree that offers the opportunity to develop your visual arts studies with advanced coursework, access to the shared pool and the Open Learning Environment. You can create a study profile that reflects your expertise in a range of disciplines.	In addition to the B Visual Arts requirements, you will take a major from the shared pool and complete advanced coursework units and either a substantial research, community, industry or entrepreneurship project, or an honours project in the final year. You will also undertake Open Learning Environment units.	**Recommended studies** Visual Arts and Design and Technology	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
Diploma of Artsϕ **ATAR** na **IB** na **UAC** na 1 year full time	The Diploma of Arts is designed for candidates who have already completed, or are currently enrolled in, a bachelor's degree and would like to undertake further study to complement their studies or study in an additional discipline. It gives you an academic foundation in the humanities, allowing you to progress to an honours year or further postgraduate study in your chosen field.	You will complete a major, a minor, or a collection of units of study from the following subject areas: American Studies, Ancient History, Archaeology, Art History, Australian Literature (minor only), Asian Studies, Biblical Studies and Classical Hebrew, Celtic Studies (minor only), Cultural Studies, Diversity Studies (minor only), Digital Cultures, English, European Studies, Film Studies, Gender Studies, History, Jewish Civilisation, Thought and Culture, Linguistics, Music, Philosophy, Studies in Religion, Theatre and Performance Studies, Writing Studies (minor only).	**Assumed knowledge** Depends on subjects chosen. For details, see the faculty handbook: **sydney.edu.au/handbooks**	A pathway to honours and postgraduate studies in the arts and social sciences
Diploma of Language Studiesϕ **ATAR** na **IB** na **UAC** na 1 year full time	The Diploma of Language Studies is designed for candidates who have already completed or are currently enrolled in a bachelor's degree and would like to undertake further study in languages to complement their studies. This diploma will ensure you are confident with language skills and have a strong understanding of the culture and societies in which that language is spoken.	You will complete a major, a minor or a collection of units of study from the following language subject areas: Ancient Greek; Arabic Language and Cultures; Biblical Studies and Classical Hebrew; Chinese Studies; French and Francophone Studies, Germanic Studies; Hebrew (Modern); Indonesian Studies; Italian Studies; Japanese Studies; Korean Studies; Latin, Modern Greek Studies; Sanskrit (minor only); Spanish and Latin American Studies.	**Assumed knowledge** No prior language experience required. Standard mode: Language skills are assessed by the department and students are placed in the appropriate level (beginner, intermediate or advanced) class. Accelerated mode: Level 1 is for students with little or no knowledge of the language.	Career opportunities depend on the area of study undertaken. A diploma is often a springboard to a postgraduate degree or a way of focusing your study in a particular area by doing a short course.
Diploma of Social Sciencesϕ **ATAR** na **IB** na **UAC** na 1 year full time	The Diploma of Social Sciences is designed for candidates who have already completed, or are currently enrolled in, a bachelor's degree and would like to undertake further study to complement their studies or study in an additional discipline. It gives you an academic foundation in the social sciences, allowing you to progress to an honours year or further postgraduate study in your chosen field.	You will complete a major, a minor or a collection of units of study from the following subject areas: Anthropology; Criminology; Economic Policy; International Relations; Political Economy; Politics, Socio-legal Studies; Sociology; Social Policy (minor only).	**Assumed knowledge** Depends on subjects chosen. For details, see the faculty handbook: **sydney.edu.au/handbooks**	A pathway to honours and postgraduate studies in the social sciences

Δ From 2020, the Mathematics prerequisite applies to all domestic students applying for admission to these courses (Aboriginal and Torres Strait Islander applicants may also be assessed separately under the Cadigal Program). The mathematics prerequisite also applies to international students undertaking a secondary education qualification or an approved university preparation program, in Australia. See the Table notes on page 78.

TABLE NOTES

Please note that the admission criteria published are a guide and will not necessarily result in an offer of a place for all courses. The scores listed are correct at the time of print and may be subject to change.

Most courses have ATAR/IB scores that are guaranteed for admission in the specified year, provided other admission criteria are also met. ATAR/IB scores marked with an asterisk* are indicative as the University cannot provide a guaranteed score. Some of these courses may have a limited number of places. Additional admission criteria can also apply for some courses. To find out more, visit

– sydney.edu.au/courses

This is not a comprehensive list of secondary education (Year 12 or high school) qualifications accepted by the University. For a full list, visit

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

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 information, visit

– sydney.edu.au/handbooks

Assumed knowledge and prerequisites

The assumed knowledge, prerequisites and recommended studies listed in our course tables refer to subjects in the NSW Higher School Certificate (HSC) curriculum. For example, 'Mathematics' refers to the 2-unit HSC subject by that name, not the HSC subject 'Mathematics Standard'. From 2021 intake, the required NSW HSC 'Mathematics' subject will be 'Mathematics Advanced' or equivalent. Refer to the HSC syllabus to understand the required subjects and standards.

– www.educationstandards.nsw.edu.au/wps/portal/nesa/11-12/Understanding-the-curriculum/syllabuses-a-z

International students

Courses listed in the '2020 Guide to admission criteria for international students' (see pages 98 and 99) are CRICOS registered and available to student visa holders, unless otherwise indicated.

– cricos.education.gov.au

Key to the table

A+C

Combination of ATAR (or equivalent score) plus additional admission criteria (eg, portfolio, audition, interview). Check the details for your specific degree at

– sydney.edu.au/courses

na

Not applicable as an admission score cannot be applied.

Δ Mathematics prerequisite

In 2020, the mathematics prerequisite will apply to all domestic students applying for admission to courses with a mathematics prerequisite.

Aboriginal and Torres Strait Islander applicants may also submit sufficient proof of mathematics ability that will be assessed by the University via the Cadigal Program. See page 87.

The mathematics prerequisite will also apply to international students undertaking a secondary education (Year 12) qualification, or an approved university preparation program, in Australia.

Visit our website to find out about the mathematics prerequisite, including equivalent requirements for other qualifications and options available if you have not studied mathematics.

– 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.

Applicants with other secondary education qualifications may be assessed with an approved comparable measure. Applicants who need to meet English proficiency requirements through a test, such as the International English Language Testing System (IELTS), will need to complete those requirements separately.

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

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, including requirements via admission pathways, see page 13.

† 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 education qualifications) to be eligible for consideration for the double degree assessment. For details, visit the Sydney Medical School website.

– sydney.edu.au/medicine

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

All double degree dentistry and medicine 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 and E12 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 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.

For more information on admission criteria, tuition fees and application processes, visit the relevant course page.

– sydney.edu.au/courses

ϕ Course structure subject to change
The structure of this course may be affected by changes to government policy. For the latest information, please visit

– sydney.edu.au/study/tuition-fees

◊ 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, visit the Singapore Institute of Management's website.

– www.simge.edu.sg

“I loved being part of a community that dedicated itself to considering the big issues that faced our society, and thinking hard about what we needed to do to address them.”

Eddie Woo
Bachelor of Education
(Secondary: Mathematics)
(Honours) ‘08

HOW TO APPLY: DOMESTIC STUDENTS

2020

Dale Harding, *SPINE 3*, 2018, concrete, concrete oxide, hematite, University Art Collection, UA2018.25.3. The wall painting looks back to both the artist's ancestors' rock painting and to modernists like Mark Rothko and Robert Hunter.

IMPORTANT DATES FOR 2020 ENTRY

April 2019	Check other admission pathways into university in case you don't meet the required ATAR to receive an offer for your chosen course. Applications for Admission pathways open as early as April, closing dates may vary, and application requirements can be detailed. Do your research early and make sure you submit your applications on time.
August 2019	**Join us on 31 August for Open Day.** **sydney.edu.au/open-day**
September 2019	Apply for accommodation.
	Most scholarship applications open in early September and close in October. Scholarship application dates can vary and some scholarships open earlier. Check the scholarships website (**sydney.edu.au/scholarships**).
	Submit your UAC application before the end of September to avoid higher fees.
December 2019 – January 2020	Year 12 students receive their high school results and ATAR in mid-December.
	Join us at Info Day. **sydney.edu.au/info-day**
	Check the UAC website to confirm the date by which your UAC preferences need to be finalised.
	Offers are made via the UAC website. You will receive an email from the University of Sydney within 24 hours with details of your offer and how to accept. You need to accept your offer within 10 days or it may be withdrawn and offered to another applicant in later rounds.
January – February 2020	UAC releases further offers in waves throughout January and February. You may receive one if you submitted your application late, or did not receive an offer in a previous round, and your preferred course is not already full.
	Welcome Week 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.
	Semester 1 begins
	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.
	If you change your mind about a unit of study, you can still withdraw without academic or financial penalty up until the HECS census date. This usually falls on the last day of March.
June – July 2020	Applications close for the Semester 2 intake. Visit UAC (**www.uac.edu.au**) and 'Find a course' (sydney.edu.au/courses) for dates and degrees open for mid-year entry.
August 2020	**Semester 2 begins**
	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 up until the HECS census date. This usually falls on the last day of August.

HOW TO APPLY
INFORMATION FOR DOMESTIC STUDENTS*

1

Choose your course

At the University of Sydney, you have the flexibility to combine study areas from more than 400+ options across nine disciplines.

Find the degree for you.

– sydney.edu.au/courses

Things to consider

Some courses in education, health, medicine and veterinary science have 'inherent requirements': essential tasks and activities to achieve the core learning outcomes of a course.

Although they are not an assessable admission requirement, it's important for you to understand these requirements to make informed choices about your study. Check the details for your course at

– sydney.edu.au/courses

Visit us on Open Day
Saturday 31 August 2019

The best way to get a feel for the campus is to visit us on Open Day. Explore the campus, enjoy the atmosphere, and learn more about our courses and facilities by attending mini-lectures, activities and tours.
sydney.edu.au/open-day

2

Check the admission criteria for the course

Admission to the University of Sydney is highly competitive. You need to meet specific criteria before we can make an unconditional offer of admission.

Admission into most of our undergraduate courses is based on one of the following:

– your ATAR (Australian Tertiary Admission Rank) or equivalent in a recognised secondary education qualification
– your academic average in higher education studies that include at least one year of full-time study in a bachelor's degree or, for some courses, a recognised diploma
– your academic performance in an enabling course, such as an approved preparation program for some courses.

– sydney.edu.au/ug-entry

Additional admission criteria

For some courses, there may be additional admission criteria, such as an interview, portfolio or performance. For details, see pages 92 and 93, or visit

– sydney.edu.au/ug-entry

Double degrees

Our double degrees have separate progression requirements that must be satisfied before you can be admitted to the second degree.

– sydney.edu.au/courses

Mathematics course prerequisites

Some courses have a mathematics course prerequisite to help you thrive in science, technology, engineering and mathematics-related degrees, commerce and economics degrees, and some medicine and health degrees. These prerequisites apply to all domestic students applying for admission in 2020.

Aboriginal and Torres Strait Islander applicants who apply through the Cadigal Program may also submit sufficient proof of mathematics ability to be assessed by the University. See page 87.

Refer to the A to Z course table on pages 50 to 77 for course-specific mathematics prerequisites.

– sydney.edu.au/study/maths

Prerequisites for education degrees

For the following education courses, the NSW Education Standards Authority (NESA) requires three Band 5s in the HSC (or equivalent), including one in English (English Standard and English Advanced):

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

Assumed knowledge
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 50 to 77 for course-specific assumed knowledge.

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 get you up to speed.

– sydney.edu.au/ug-bridging

English language requirements
If English is not your first language or if you have not undertaken your secondary or higher education studies in English, you may need to meet the University's English language requirements.

– sydney.edu.au/study/english-reqs

3

Explore your entry options

If you're not sure you'll reach the ATAR or equivalent for your preferred course, see page 86 to find out if you're eligible to apply to the University through another admission pathway.

– sydney.edu.au/study/admission-pathways

4

Submit your application to the Universities Admissions Centre (UAC) with the relevant documents

As a domestic student, you need to submit your application online through the Universities Admissions Centre website.

– www.uac.edu.au

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

Early bird UAC applications are due by 30 September 2019. A late fee applies to applications after this date.

Apply for scholarships

In 2018, we awarded more than 2500 scholarships to undergraduate students across more than 200 scholarship programs, based on academic, personal leadership and equity grounds. See pages 90 and 91 for more information.

Most scholarship applications are due by early October 2019, so you will apply for them around the same time you submit your university application to UAC.

Please note that deadlines and application requirements may differ depending on the scholarship.
sydney.edu.au/scholarships

* You are a domestic student if you are an Australian or New Zealand citizen (including dual citizens of Australia or New Zealand and another country), or an Australian permanent resident or permanent humanitarian visa holder.

ADMISSION PATHWAYS

Several admission pathways are available to Year 12 students, and you may be eligible to apply for more than one.

Early Offer Year 12 (E12) Scheme

Administered via the Universities Admissions Centre (UAC)'s Schools Recommendation Schemes (SRS), E12 is for students who have been financially disadvantaged during their time at school and who have demonstrated the potential to succeed at the University of Sydney. It offers ATAR adjustments for more than 80 courses.

With E12, you could receive an early conditional offer and a $5950 scholarship to assist you with your studies, as well as support for your transition to university study.

Who is it for?

To be eligible to apply for E12 via UAC's SRS portal, you need to be:

- assessed by UAC, via the Educational Access Schemes (EAS) program, as experiencing financial hardship (F01A, F01B, F01C or F01D); or
- residing at the time of your UAC application in an area identified by the Australian Bureau of Statistics as being in the lowest quartile of socio-economic disadvantage in Australia. For information about the Socio-Economic Indexes for Areas (SEIFA), search www.abs.gov.au

You also need to be:

- undertaking the HSC or International Baccalaureate (IB) at a NSW high school, and
- studying any required HSC or IB subjects for your selected E12 course, and
- supported by your school principal (ratings are to be submitted in the SRS system as part of your application).

E12 is for domestic undergraduate students only. International students are not eligible to apply.

Transferring

If you don't get into the course you want in your first year, you may be eligible to reapply after you complete one full-time year of tertiary study at the University of Sydney or another tertiary institution.

This form of admission can be very competitive. While transferring requirements vary between faculties, you will generally be assessed on the basis of the university results you obtain in your first year of study, or your ATAR, depending on which gives you a greater chance of admission.

Future Leaders Scheme

This scheme offers confirmed Dux students and school captains in Australia a guaranteed place at the University of Sydney based on academic achievement and a principal's nomination from their school.

Broadway Scheme

Students who have experienced long-term educational disadvantage can apply through the Broadway Scheme, administered by UAC's Educational Access Scheme (EAS). It offers more than 600 places to eligible applicants each year.

Other entry pathways

- Cadigal Program, for Aboriginal and Torres Strait Islander applicants
- Elite Athletes and Performers Scheme
- Mature-Age Entry Scheme

For more information on these and other admission pathways to the University of Sydney, visit

- sydney.edu.au/admission-pathways
- www.uac.edu.au

Mathematics prerequisite

The University's mathematics prerequisite applies to all domestic students, including students applying through admission pathways. For details, see page 78.

For mathematics prerequisites that apply to Cadigal Program applicants, see page 87.

ABORIGINAL AND TORRES STRAIT ISLANDER STUDENTS

Cadigal Program

This is an access and support program for Aboriginal and Torres Strait Islander applicants. The program assists you with successful transition into university and provides additional academic and personal support and social spaces throughout your degree.

If you enter through the Cadigal Program, we will automatically reserve you a place in our Cadigal Orientation and Academic Skills workshop.

If you need extra support in your first year, the Pemulwuy Pathway provides an opportunity for you to ease your study load.

We may invite you to enrol in a Bachelor of Arts or Bachelor of Liberal Arts and Sciences. In your first year you will take fewer units of study while attending academic skills development workshops and individual tutoring, to build your capacity and confidence to succeed in your studies.

– sydney.edu.au/cadigal

Mathematics prerequisite

Under the Cadigal Program, an Associate Dean may admit an applicant who has not achieved Band 4 in Mathematics, if they are satisfied that the student meets the standards by demonstrating the capacity to succeed in coursework at a university level; and subject to a requirement that they enrol in an approved mathematics prerequisite course in their first year of enrolment; and satisfy the requirements for this course.

Other support services

Accommodation Award

In 2017, we introduced an accommodation award for first-year Aboriginal and Torres Strait Islander students with a full-time study load.

The Mana Yura Residential Scholar accommodation award will subsidise your weekly rent. You will also receive a start-up bursary valued at $1000.

In addition to the financial support, the accommodation award guarantees you a place at your choice of two University-owned residences: the Queen Mary Building (self-catered) or International House (catered). Other residences may be on offer, subject to availability.

Tutoring

The Indigenous Tutorial Assistance Scheme is designed to help you achieve your full academic potential. The scheme provides qualified tutors who can offer you free tutoring in your units of study during semester. You can have one-on-one private tuition or group sessions.

Mana Yura Student Support

The Mana Yura team offers support to all Aboriginal and Torres Strait Islander students throughout their University journey, from admission to graduation. The student engagement officers offer social, cultural and emotional wellbeing support, and referrals, academic and other student support services.

Culturally safe spaces

The University provides culturally safe spaces for all Aboriginal and Torres Strait Islander students and has equipped computer laboratories, photocopying facilities, research library, tutorial rooms for study, and student/staff common rooms with kitchen facilities.

– sydney.edu.au/indigenous-support

FEES AND COSTS: DOMESTIC STUDENTS

Tuition fees

All domestic students receiving an offer for an undergraduate course are eligible for a Commonwealth supported place. You are considered a domestic student if you are a citizen of Australia or New Zealand (including dual citizens) or hold an Australian permanent resident visa or an Australian permanent humanitarian visa.

When you are offered a Commonwealth supported place in one of our courses, your course fees will be subsidised by the Australian Government. You will pay the remainder, called a 'student contribution amount' that is set by the University within limits set by the Australian Government each year. Check the tuition fees for your specific course at

– sydney.edu.au/courses

Exact student contribution amounts for your course will depend on your calendar year of study and the specific units of study in which you enrol. Costs can vary depending on the discipline of study (student contribution band), and study load of each unit. Not all units of study in a course are in the same student contribution band.

Student contributions are calculated several times a year, at each census date. Depending on your citizenship or residency status, you will be able to either pay upfront or take out a HECS-HELP loan from the Australian Government. Legislation requires you to pay these fees, or if eligible for a HECS-HELP loan, to provide your tax file number, before the relevant census date for your unit(s) of study.

Student contribution amounts are reviewed annually by the University and will increase each year of your study, subject to an Australian Government-specified cap, effective at the start of each calendar year. For more information, visit

– www.studyassist.gov.au

For more information about tuition fees, visit

– sydney.edu.au/study/tuition-fees

Please note, the Australian Government may announce further changes to higher education policy and funding, which may impact domestic students commencing from 2020. The information provided in this section was current at January 2019. For the latest information and updates on changes to government policy, visit www.studyassist.gov.au

2019 student contribution bands and ranges

Student contribution band	2019 student contribution range (per EFTSL*)
Band 3 Law, dentistry, medicine, veterinary science, accounting, administration, economics, commerce	$0 - $10,958
Band 2 Computing, built environment, other health, allied health, engineering, surveying, agriculture, mathematics, statistics, science	$0 - $9359
Band 1 Humanities, behavioural science, social studies, education, clinical psychology, foreign languages, visual and performing arts, nursing	$0 – $6566

HECS-HELP

Australian citizens, permanent humanitarian visa holders and New Zealand Special Category Visa holders who meet the long-term residency requirements can either pay their student contribution upfront or obtain a full or part HECS-HELP loan.

If you obtain a HECS-HELP loan, you will have to start repaying it when your income exceeds a certain amount. For more information and to check if you are eligible, visit

- www.studyassist.gov.au

All Australian permanent resident visa holders (excluding permanent humanitarian visa holders) and most New Zealand citizens are required to pay their student contribution upfront and are not eligible for HECS-HELP.

Other costs

In addition to tuition fees, you should budget for:

- additional course costs; some costs are significant including, but not limited to, faculty-specific materials and textbooks, tools, protective clothing, and equipment: sydney.edu.au/additional-course-costs
- the Student Services and Amenities (SSA) fee of up to $303 (2019 yearly rate indexed annually for the duration of your course) – an initiative of the Australian Government to fund services and support programs at universities: sydney.edu.au/ssa-fee
- living expenses such as food and rent if living away from home: sydney.edu.au/study/living-costs

Payment information

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. Read about payment methods and the surcharge at

- sydney.edu.au/study/paying-your-fees

* EFTSL = equivalent full-time student load

SCHOLARSHIPS

University of Sydney students come from a wide variety of schools and backgrounds, and our range of scholarships reflects this diversity.

Some of our scholarships are specifically for students who have just finished Year 12 or TAFE. Others are for athletes or performers, Aboriginal or Torres Strait Islander people, or students from remote or rural backgrounds.

You may have to complete an application to be considered for a scholarship. It's important to plan ahead and check the requirements.

For a comprehensive list of scholarships and to find out how to apply, visit

– sydney.edu.au/scholarships

Here are some of the scholarships that might be available to you.

Sydney Scholars Program

The Sydney Scholars Program offers opportunities for Year 12 students commencing their university studies in 2020. Ranging from $6000 to $10,000 in value, they are awarded for one year up to the duration of an undergraduate course.

The program is a suite of prestigious scholarships and will be offered to students who meet the admission criteria, including leadership skills, involvement in extracurricular activities, future goals and an ATAR (or the equivalent) of 95 and above.

International students who have recently completed a secondary education qualification such as the NSW HSC or the International Baccalaureate, and are applying for admission through UAC, may also apply.

For domestic students, if you receive an ATAR of 99.90 or higher, you will automatically be awarded a scholarship worth $10,000 annually for the duration of your undergraduate degree.

– sydney.edu.au/scholarships-ssp

Dalyell Scholars global mobility scholarship

Dalyell Scholars are entitled to a global mobility scholarship of $2000. The scholarship can be used towards either a short-term (winter, summer or internship) mobility opportunity worth at least six credit points, or a semester exchange worth 24 credit points. See page 12 to find out more about becoming a Dalyell Scholar.

Equity scholarships

There are a number of equity scholarships for school leavers – these are assessed on academic merit, a personal statement and equity grounds. They include the Sydney Scholars Program, Western Union Foundation Scholarships, Bruton Educational Trust scholarship, Rural Sustainability scholarships, Environmental Sustainability scholarships and more.

– sydney.edu.au/scholarships/equity

Faculty-based scholarships

Many faculties and schools provide scholarships for first-year students as well as scholarships and prizes to current students in later years of study.

– sydney.edu.au/faculty-scholarships

Scholarships for Aboriginal and Torres Strait Islander students

The University of Sydney offers numerous scholarship and financial assistance programs to Aboriginal and Torres Strait Islander students. Students identifying as Aboriginal and Torres Strait Islander who achieve an ATAR of 85 or above will automatically be granted the one-year $10,000 Entry Scholarship.

– sydney.edu.au/scholarships-indigenous

Elite Athlete Program

Sydney Uni Sport and Fitness (SUSF), through the Elite Athlete Program, has assisted the University of Sydney to continue Australia's oldest and richest academic and sporting tradition.

SUSF is a leading provider of support and services to student athletes who are enrolled at the University of Sydney and/or representing their relevant SUSF sporting club in their chosen sport.

If you are an elite athlete who wants to achieve excellence in your concurrent pursuit of academic studies and sport, look no further than the University of Sydney and the SUSF Elite Athlete Program.

- www.susf.com.au/join-us-as-an-elite-athlete.html

Accommodation scholarships

There are a number of accommodation scholarships available for undergraduate students. These include reduced rent to assist with living at the University-owned residences and are open to Australian citizens and permanent residents of Australia.

- sydney.edu.au/accommodation

College accommodation scholarships

Each of the eight residential colleges at the University of Sydney offers various opportunities and scholarships to their new and current student residents.

- sydney.edu.au/scholarships/prospective/college

Scholarships outside the University

There are several other avenues for scholarships that you should consider alongside those offered by the University of Sydney. For more details, check

- **www.australia.gov.au** for government scholarship programs
- **www.engage.cef.org.au/student** for Country Education Foundation of Australia rural grant programs
- **www.gooduniversitiesguide.com.au/scholarship/search** to search for scholarship schemes across Australia
- **www.studyassist.gov.au** for information about government financial assistance.

Once you are at university, we also provide on-campus bursary options to help you manage daily living and study costs.

Bursaries and loans

Bursaries are non-repayable grants available to domestic students who are having short-term difficulty paying for their study and living expenses but are making satisfactory academic progress.

Our unique bursary scheme is one of the most generous in Australia. Formerly called the University of Sydney First Year Bursary, the Robert Maple Brown Bursary (worth $2000) is offered to eligible first-year students to help with starting university.

For advice on how to manage your finances or to apply for financial assistance, contact our Financial Support Service.

- sydney.edu.au/financial-support

ADDITIONAL ADMISSION CRITERIA
INFORMATION FOR ALL STUDENTS

For admission to some of our courses, we consider more than just your marks. We may ask you to submit a portfolio, attend an interview or audition or complete additional criteria. The following courses have additional admission criteria.

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 secondary education (Year 12) qualification (or equivalent), you need to submit an online application directly to the University, including a personal statement, resume 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 the application process, visit the relevant course page.

- sydney.edu.au/courses

Visual arts

For admission to the Bachelor of Visual Arts and Bachelor of Visual Arts/Bachelor of Advanced Studies at Sydney College of the Arts, in addition to the academic requirements of an accepted secondary education qualification or higher education studies, you will also be assessed based on a portfolio of artwork.

You are required to submit the portfolio by the relevant deadlines. When submitting the portfolio online, you will need to include a short statement describing one of the more developed projects in your portfolio.

- sydney.edu.au/arts/creative-arts-portfolio

Education

Applicants for all Bachelor of Education degrees (except Early Childhood) and Bachelor of Music (Music Education) are required to complete a brief personal statement as part of the application for admission. For more information, visit

- sydney.edu.au/teacher-education-personal-statement

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.

Admission to the double degree dentistry course is based on:

- ATAR (expected to be a minimum of 99.5 or equivalent in an accepted secondary education qualification)
- 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 about eligibility and how to apply at

- 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

Many dentistry students join us through our graduate entry scheme (available to applicants who already have a bachelor's degree). If you plan to apply for graduate entry, you should start the application process at least 12 months in advance.

- sydney.edu.au/dentistry/dddp

Bachelor of Oral Health

For admission to our Bachelor of Oral Health, in addition to the academic requirements of an accepted secondary education qualification or higher education studies, you will be assessed on

your 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

Medicine

Double degree medicine

If you are finishing high school and expect to achieve outstanding results, you may be able to take the Doctor of Medicine (MD) via our double degree medicine pathways:

– Bachelor of Arts/Doctor of Medicine
– Bachelor of Science/Doctor of Medicine.

Admission to the double degree medicine courses is based on:

– a very high ATAR (expected to be 99.95 or equivalent in an accepted secondary education qualification)
– satisfactory performance in an assessment process including a written assessment and a panel discussion.

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

– sydney.edu.au/medicine/ddmp

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

– sydney.edu.au/courses

Most medical students join us through our graduate entry scheme (available to applicants who already have a bachelor's degree). If you plan to apply for graduate entry, you should start the application process at least 12 months in advance.

– sydney.edu.au/medicine/ddmp

Music

For admission to the Sydney Conservatorium of Music, in addition to the academic requirements of an accepted secondary education qualification or higher education studies, you will be assessed based on an audition (or portfolio) and/or interview.

An audition fee applies and you may then be invited to an audition and/or interview. For more on audition/interview requirements and deadlines, visit

– sydney.edu.au/music/study-music/admission.html

For the Bachelor of Music (Music Education), also refer to requirements under Education (see page 92).

Veterinary medicine

Applicants to the Bachelor of Veterinary Biology/Doctor of Veterinary Medicine degree are required to submit a Commitment to Veterinary Science form in addition to the application for admission. The closing date is in November 2019. For details, visit the course page.

– sydney.edu.au/courses

There are separate requirements for progression to the Doctor of Veterinary Medicine component of the combined degree.

– sydney.edu.au/handbooks/science

HOW TO APPLY: INTERNATIONAL STUDENTS

2020

HOW TO APPLY
INFORMATION FOR INTERNATIONAL STUDENTS*

1 Choose your course

At the University of Sydney, you have the flexibility to combine study areas from more than 400+ options across nine disciplines.

Find the degree for you.

- sydney.edu.au/courses

Things to consider

Some courses in education, health, medicine and veterinary science have 'inherent requirements': essential tasks and activities to achieve the core learning outcomes of a course.

Although they are not an assessable admission requirement, it's important for you to understand these requirements to make informed choices about your study. Check the details for your course at

- sydney.edu.au/courses

Meet us in your country

Our professional and academic staff visit countries all over the world to answer any questions you have about our courses, campus life and how to apply.

To find out when the next Open Day, Info Day, exhibition or interview session is taking place in your country, visit **sydney.edu.au/international-open-days**

* An international student is anyone who is not an Australian or New Zealand citizen (or dual citizen of Australia or New Zealand and another country), permanent resident of Australia, or holder of a permanent Australian humanitarian visa. To enrol at university, international students need to hold a visa that allows them to study in Australia.

2 Check the admission criteria for the course

Admission to the University of Sydney is highly competitive. You need to meet specific academic criteria before we can make an unconditional offer of admission.

Admission into most of our undergraduate courses is based on one of the following:

- your ATAR (Australian Tertiary Admission Rank) or equivalent score in a secondary education qualification, such as the IB (International Baccalaureate) or GCE Advanced Levels; find a full list at sydney.edu.au/study/secondary-qualifications, or
- your academic average in higher education studies that include at least one year of full-time study in a bachelor's degree or for some courses, a recognised diploma, or
- your academic performance in an enabling course such as an approved University preparation program such as the University of Sydney Preparation Programs.

Learn more about academic admission criteria:

- sydney.edu.au/ug-entry

Additional admission criteria

For some courses, including dentistry, education, medicine, music, oral health, visual arts and veterinary science, there may be additional admission criteria, such as an interview, portfolio or performance. For details, see pages 92 and 93, or visit

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

Double degrees

Our double degrees (two separate degrees undertaken in succession) have separate progression requirements that must be satisfied before you can be admitted to the second degree.

- sydney.edu.au/courses

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. For undergraduate study, you can do this by fulfilling one of the following:

- complete a recognised secondary education (Year 12/high school) qualification conducted in English such as an Australian Year 12 qualification, or
- complete certain English subjects in secondary education qualifications specified by the University, or
- complete higher education studies (eg, at least one year of full-time university study or equivalent) in English at a recognised institution, or
- complete an accepted English proficiency test with results that meet the admission criteria for your course. English language test scores are valid for two years.
- sydney.edu.au/study/english-reqs

Mathematics course prerequisites
Some courses have a mathematics course prerequisite to help students thrive in science, technology, engineering and mathematics-related degrees, commerce and economics degrees, and some medicine and health degrees. These prerequisites apply if you are undertaking a secondary education (Year 12) qualification in Australia, such as the HSC or IB, or an approved university preparation program in Australia, such as the University of Sydney Preparation Programs.

Refer to the A to Z course table on pages 50 to 77 for course-specific mathematics prerequisites.

- sydney.edu.au/study/maths

Prerequisites for education degrees
For the following courses in education, the NSW Education Standards Authority (NESA) requires 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).

Assumed knowledge
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 50 to 77 for course-specific assumed knowledge. 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 get you up to speed.

- sydney.edu.au/ug-bridging

3

Submit your application

If you are completing ...

- a current Australian Year 12 (secondary education) examination in or outside Australia, or
- a current International Baccalaureate (IB) diploma in Australia

... then you will need to submit your application online through the Universities Admissions Centre (UAC) International website.

- www.uac.edu.au/international

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

Everyone else needs to apply directly to the University. Go to **sydney.edu.au/courses** to search for your course, then click on the 'Apply' button on the course page to apply online.

For important information for international students, visit

- sydney.edu.au/student-visas

2020 GUIDE TO ADMISSION CRITERIA
FOR INTERNATIONAL STUDENTS

Below is a guide to the Australian Tertiary Admission Rank (ATAR) and International Baccalaureate (IB) scores for 2020. For most courses, the scores are guaranteed for admission in 2020, except where marked with an asterisk*. The asterisked scores are an indicative score for what you will need for admission in 2020. All published scores are correct at the time of print and subject to change. For the most up to date information on ATARs visit sydney.edu.au/sydney-atar

Course	ATAR/IB
Architecture, design and planning	
● B Architecture and Environments	80/28
■ B Design Computing	80/28
▲ B Design Computing/B Advanced Studies	80/28
● B Design in Architecture	90/33
▲ B Design in Architecture (Honours)/M Architecture$^{\phi}$	(92/34)*
Arts and social sciences	
◆ B Arts	80/28
▲ B Arts/B Advanced Studies	80/28
▲ B Arts/B Advanced Studies (Dalyell Scholars)‡	98/40
▲ B Arts/B Advanced Studies (International and Global Studies)	87/31
▲ B Arts/B Advanced Studies (Languages)	90/33
▲ B Arts/B Advanced Studies (Media and Communications)	90/33
▲ B Arts/B Advanced Studies (Politics and International Relations)	90/33
◆ B Arts (Sciences Po Dual Degree)**	A+C
■ B Economics	85/31
▲ B Economics/B Advanced Studies	85/31
■ B Economics (Sciences Po Dual Degree)**	A+C
■ B Visual Arts	A+C
▲ B Visual Arts/B Advanced Studies	A+C
Business	
◆ B Commerce	95/36
▲ B Commerce/B Advanced Studies	95/36
▲ B Commerce/B Advanced Studies (Dalyell Scholars)‡	98/40

Course	ATAR/IB
Education and social work	
● B Education (Early Childhood)	77/27
● B Education (Health and Physical Education)$^{\wedge}$	A+C (80/28)
● B Education (Primary)$^{\wedge}$	A+C (85/31)
▲ B Education (Secondary: Humanities and Social Sciences)/B Arts	A+C (80/28)
▲ B Education (Secondary: Mathematics)/B Science	A+C (80/28)
▲ B Education (Secondary: Science)/B Science	A+C (80/28)
● B Social Work	80/28
▲ B Arts/B Social Work	80/28
Engineering and computer science	
● B Advanced Computing	90/33
▲ B Advanced Computing/B Commerce	95/36
▲ B Advanced Computing/B Science	90/33
▲ B Advanced Computing/B Science (Health)	90/33
▲ B Advanced Computing/B Science (Medical Science)	90/33
● B Engineering Honours (Dalyell Scholars)‡	98/40
● B Engineering Honours (Aeronautical)	85/31
● B Engineering Honours (Biomedical)	85/31
● B Engineering Honours (Chemical and Biomolecular)	85/31
● B Engineering Honours (Civil)	85/31
● B Engineering Honours (Electrical)	85/31
● B Engineering Honours (Flexible First Year)	85/31
● B Engineering Honours (Mechanical)	85/31

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'
* ATAR/IB scores with an asterisk are indicative only and not guaranteed in 2020.

A+C, n/a, ^, †, ‡, ϕ, **, ◊: see 'Table notes' on page 78

Course	ATAR/IB
● B Engineering Honours (Mechatronic)	85/31
● B Engineering Honours (Software)	85/31
● B Engineering Honours with space engineering major	97/39
▲ B Engineering Honours/B Arts	85/31
▲ B Engineering Honours/B Commerce	95/36
▲ B Engineering Honours (Civil)/B Design in Architecture	95/37
▲ B Engineering Honours/B Project Management	85/31
▲ B Engineering Honours/B Science	85/31
▲ B Engineering Honours/B Science (Health)	85/31
▲ B Engineering Honours/B Science (Medical Science)	85/31
● B Project Management	80/28
Medicine and health	
● B Applied Science (Diagnostic Radiography)	(92/34)*
● B Applied Science (Exercise and Sport Science)	(80/28)*
● B Applied Science (Exercise Physiology)	(87/31)*
● B Applied Science (Occupational Therapy)	(92/34)*
● B Applied Science (Physiotherapy)	(97/39)*
● B Applied Science (Speech Pathology)	(92/34)*
▲ B Arts/D Medicine†	A+C (99.95/45)*
▲ B Arts/M Nursingϕ	80/28
● B Nursing (Advanced Studies)	80/28
● B Nursing Post Registration (Singapore)◊	n/a
● B Oral Health	A+C (80/28)*
● B Pharmacy	85/31
● B Pharmacy and Management	85/31
▲ B Science/D Dental Medicine†ϕ	A+C (99.5/43)*
▲ B Science/D Medicine†	A+C (99.95/45)*
▲ B Science/M Nursingϕ	80/28
▲ B Science (Health)/M Nursingϕ	80/28

Course	ATAR/IB
Law	
▲ B Arts/B Laws	95.5/37
▲ B Commerce/B Laws	95.5/37
▲ B Economics/B Laws	95.5/37
▲ B Engineering Honours/B Laws	95.5/37
▲ B Science/B Laws	95.5/37
Music	
■ B Music	A+C
■ B Music (Composition)	A+C
● B Music (Music Education)^	A+C
■ B Music (Performance)	A+C
Science	
◆ B Liberal Arts and Science	70/25
● B Psychology	(93.5/36)*
◆ B Science	80/28
◆ B Science (Health)	80/28
◆ B Science (Medical Science)	85/31
▲ B Science/B Advanced Studies	80/28
▲ B Science/B Advanced Studies (Dalyell Scholars including Mathematical Sciences)‡	98/40
▲ B Science/B Advanced Studies (Advanced)	93/35
▲ B Science/B Advanced Studies (Agriculture)	75/26
▲ B Science/B Advanced Studies (Animal and Veterinary Bioscience)	80/28
▲ B Science/B Advanced Studies (Food and Agribusiness)	80/28
▲ B Science/B Advanced Studies (Health)	80/28
▲ B Science/B Advanced Studies (Medical Science)	85/31
▲ B Science/B Advanced Studies (Taronga Wildlife Conservation)	80/28
▲ B Science/M Mathematical Sciencesϕ	95/37
▲ B Science/M Nutrition and Dieteticsϕ	(95/37)*
▲ B Veterinary Biology/D Veterinary Medicineϕ	A+C (92/34)*

FEES AND COSTS
FOR INTERNATIONAL STUDENTS

Tuition fees

Undergraduate degrees
The University calculates the tuition fees for international students studying undergraduate degrees based on an annual course fee that is subject to increase each year. This makes it easy for you and your parents/guardians to understand the potential financial commitment for each year of study.

Tuition fees vary between courses and the calendar year that you undertake study. Fees for each course are based on a full-time student enrolment load of 24 credit points per semester or 48 credit points per year (1.0 EFTSL*). If your study load for the year is more or less than 1.0 EFTSL, your tuition fee will differ. Check the tuition fees for your specific course at

- sydney.edu.au/courses

Combined degrees

For combined degrees, a single course tuition fee applies to the entire period of your studies (and is subject to annual review), regardless of the units of study that you select in each of the two qualifications (for example, a Bachelor of Arts and Bachelor of Laws).

Double degrees (undergraduate to postgraduate) – price differentiation
In a double degree, students usually commence in one degree then transfer to a second degree to complete the remainder of their studies.

The University charges two separate tuition fee rates for double degrees that comprise an undergraduate and a postgraduate degree, with a higher tuition fee rate applying to the postgraduate degree. When you are calculating the likely total cost of your course, please carefully factor in this price difference.

Bachelor of Veterinary Biology and Doctor of Veterinary Medicine
This degree is calculated differently to other combined degrees. It has two separate tuition fee rates.

Once you progress to the Doctor of Veterinary Medicine, you will be paying higher tuition fees in Years 3 to 6 (for study equivalent to the postgraduate level Doctor of Veterinary Medicine) than in Years 1 and 2 of the combined degree (the Bachelor of Veterinary Biology).

Both tuition fees are subject to annual increases for each year of your study, effective at the start of each calendar year.

Other costs

In addition to 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: sydney.edu.au/additional-course-costs
- the Student Services and Amenities (SSA) fee of up to A$303 (2019 yearly rate indexed annually for the duration of your course) – an initiative of the Australian Government to fund services and support programs at universities: sydney.edu.au/ssa-fee
- health insurance through the Overseas Student Health Cover scheme (OSHC), an Australian Government requirement for student visa holders: sydney.edu.au/study/oshc
- living expenses such as food and rent: sydney.edu.au/study/living-costs

Additionally, there is an Application Processing Fee of A$125 at the time of application for admission (some students may be eligible for a fee waiver).

Annual reviews

All tuition fees and the Student Services and Amenities fee are subject to annual reviews (and indexation, when required) and will increase for each year of your study, effective at the start of each calendar year.

Payment information

When you are offered a place to study with us, you will be required to make an initial payment equal to your first semester of tuition fees to secure your place formally and be eligible to apply for a student visa. The letter of offer will include more detailed information.

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, at

- sydney.edu.au/study/paying-your-fees

* EFTSL = equivalent full-time student load

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

GLOSSARY

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 future careers.

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 secondary education (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.educationstandards.nsw.edu.au/wps/portal/nesa/11-12/Understanding-the-curriculum/syllabuses-a-z

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 education 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 education 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 concurrently. 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 requirements for 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
A stream for high-achieving students, Dalyell Scholars have access to a range of enrichment opportunities that will challenge you alongside your most promising and talented peers.

Degree
The name of the 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.

Enrolment
The process that secures your place in a course at the University. Enrolling includes accepting the University's conditions of being a student and selecting units of study for the coming semester or year.

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.

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.

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, eg, Bachelor of Arts (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 degree. It is also used to describe a student enrolled in such an award, eg, 'undergraduate student'.

Undergraduate degree
An undergraduate degree is usually your first degree at university after finishing high school.

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 units of study, see

- 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 undergraduate students apply through UAC. For more information visit

- sydney.edu.au/study/how-to-apply

For a full glossary of frequently used terms, see

- sydney.edu.au/glossary

sydney.edu.au

OPEN DAY

Join us on Saturday 31 August 2019 and immerse yourself in campus life for a day.

What will you start here?
sydney.edu.au/open-day

IF YOU READ ONLY ONE THING, READ THIS.

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 experience.

To learn more, come and see us at Open Day on 31 August 2019, call our helpline or visit our website.

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