WELCOME TO SYDNEY

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We acknowledge the traditional custodians of the country on which the University of Sydney campuses stand and our responsibility to respect and care for country, people and spirit.

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**IMPORTANT DATES**

- **Open Day**
  26 August 2017

- **Info Day**
  sydney.edu.au/infoday

- **Semester 1, 2018**
  Orientation: 26 February – 2 March 2018
  Lectures begin: 5 March 2018

  Dates are subject to change.
  For the latest information, please check our website: sydney.edu.au/dates
The world is changing, and university education needs to change too.

We’ve reimagined the Sydney Undergraduate Experience – the way we teach and the way you’ll learn – to prepare you for a future full of possibilities.
We offer unparalleled choice
At Sydney you’ll have access to a breadth and depth of excellence in disciplines and professional fields that is unparalleled in Australia.

Follow your interests. All of them.
We have created a new level of flexibility with a shared pool of majors and minors so you can expand your education with a second field of study.

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

Broaden your skills
You can widen your skills in entrepreneurial thinking, persuasive communication, project management and ethical reasoning by taking short, on-demand and workshop-supported courses in our Open Learning Environment.
YOUR EXPERIENCE

Academic rigour
Gain a deep understanding of your chosen disciplines of study and learn from those who are leaders in their fields.

Global perspectives
Set yourself up to go anywhere in the world by gaining the skills and understanding to work effectively across cultural boundaries. Go on exchange, study a language, or undertake projects in distinctive cultural settings here and overseas.

Cross-disciplinary learning
Study across or work with other disciplines to build your skills and tackle some of the most complex challenges of our time.

Real-world projects
Bridge the gap between theory and application by working on real-world industry, community, research and entrepreneurship projects.

YOUR FUTURE

You will leave university with the confidence and ability to think critically, collaborate productively, and influence the world.

sydney.edu.au/ug-experience
INTRODUCING THE COMBINED BACHELOR OF ADVANCED STUDIES

Taken in combination with a three-year degree, the new Bachelor of Advanced Studies supercharges your undergraduate experience at Sydney.

You will have the opportunity to:
- design your own degree by combining studies from a range of disciplines
- build on your expertise with advanced coursework and project work
- complete a second major (see the shared pool of majors list on page 70).

This new combined degree focuses on disciplinary depth and cross-disciplinary problem-solving for real-world industry, community and research challenges. It will give you access to advanced modules, entrepreneurship and leadership skills, broaden your opportunities and prepare you for future success.

sydney.edu.au/bachelor-advanced-studies
Overall structure of a combined three-year degree and Bachelor of Advanced Studies
(See pages 38 to 65 for detailed examples.)

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major 1</td>
<td>Major 1</td>
<td>Major 1</td>
<td>Major 2</td>
</tr>
<tr>
<td>Major 1</td>
<td>Major 1</td>
<td>Major 1</td>
<td>Advanced coursework</td>
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<tr>
<td>Major 2</td>
<td>Major 2</td>
<td>Major 1</td>
<td>Advanced coursework</td>
</tr>
<tr>
<td>Major 2</td>
<td>Major 2</td>
<td>Major 2</td>
<td>Advanced coursework</td>
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<tr>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td>Project</td>
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<tr>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td>Project</td>
</tr>
<tr>
<td>Elective</td>
<td>Open Learning Environment</td>
<td>Open Learning Environment</td>
<td>Project</td>
</tr>
</tbody>
</table>

Bachelor’s degree Degrees Combined Bachelor of Advanced Studies

3 years Duration 4 years

Components

- Major
- Double major
- Minor
  (or second major)
- Open Learning Environment
- Electives
- Exchange (available)
- Advanced coursework
- Substantial project
- Honours (available)

For studies in Arts, Commerce, Design Computing, Economics, Science and Visual Arts
Exclusive to high-achieving students with an ATAR (or equivalent) of 98+, the Dalyell Scholars program is an opportunity to challenge yourself alongside your most promising and talented peers.

The program enables you to draw on the rich interdisciplinary depth and breadth on offer at the University, cultivating the leadership and professional expertise to join the ranks of our distinguished global alumni.

The Dalyell Scholars program allows you to collaborate and network with like-minded world influencers.

In addition to completing distinctive Dalyell units of study with other high achievers, you will have access to enrichment opportunities including:

- acceleration to master’s level study
- access to specialised Language (Arts) and Mathematical Sciences (Science) programs
- exclusive research and entrepreneurship programs
- direct access to industry-based project learning
- tailored mentoring and professional skills development to enhance your study and career opportunities
- international experiences to develop your global perspective, including a global mobility scholarship.

Who was Elsie Jean Dalyell?

A highly distinguished University of Sydney medical graduate, Elsie Jean Dalyell OBE (1881-1948) was the first full-time female academic in our Faculty of Medicine. After travelling to London on a University scholarship and serving in World War I, she conducted pioneering work with a medical team in Vienna, Austria, into childhood diseases. Her academic excellence and commitment to creating her own path are hallmarks of our Dalyell Scholars program.

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_a0250000062) Elsie Jean Dalyell, no date
The following courses are available to study through the Dalyell Scholars program.

**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

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

**Engineering and IT**
- B Advanced Computing
- B Advanced Computing/B Commerce
- B Advanced Computing/B Science
- B Engineering Honours (Dalyell Scholars)†
- B Engineering Honours with Space Engineering
- 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

**Science, agriculture, environment and veterinary science**
- B Science
- B Science (Health)
- B Science (Medical Science)
- B Science/B Advanced Studies (Dalyell Scholars including Mathematical Sciences)†
- 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/M Nutrition and Dietetics

**Arts and social sciences**
- B Arts
- B Arts/B Advanced Studies (Dalyell Scholars including Languages)†
- B Arts/B Advanced Studies (International and Global Studies)
- B Arts/B Advanced Studies (Media and Communications)
- B Arts/B Advanced Studies (Politics and International Relations)
- B Economics
- B Economics/B Advanced Studies
- B Visual Arts
- B Visual Arts/B Advanced Studies

**Business**
- B Commerce
- B Commerce/B Advanced Studies (Dalyell Scholars)†

**Architecture and interaction design**
- B Design Computing/B Advanced Studies

**Health, medicine and dentistry**
- 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

'B' for 'Bachelor of'
'M' for 'Master of'
'D' for 'Doctor of'

Note: courses may change
† Entry to these courses is by application.
“We help grow the minds of graduates 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
The University of Sydney combines the best of teaching with practical, future-focused learning. Enjoy internship opportunities and the flexibility of choosing a degree that crosses many study areas and suits all of your passions.

Our staff and students work together to solve real-world problems and improve lives. We look at challenges from all angles, uniting expertise and insights across multiple disciplines to translate research into real action.

Outside the classroom, you can make lifelong friends and connections and enjoy unforgettable experiences.
Find the right degree to fulfil your goals with 400+ areas to choose from

1st in Australia and ranked 4th in the world for graduate employability*

Combine study and travel with one of our 300+ international partners

Enrich your student experience by joining one of our 200+ clubs and societies

Connect with a network of more than 320,000 alumni worldwide

Number 1 for student experience in Australia**

Ranked in the world’s top 50 universities***

$84 million in scholarships offered every year

* QS Graduate Employability Rankings 2017
*** QS World University Rankings 2016-17

Join us
More than 60,000 students are shaping their future at the University of Sydney. Here’s what some of them have to say about their Sydney experience.

**OUR STUDENTS**

“What immediately appealed to me about Sydney was the diversity of opportunities available outside the classroom. You have access to so many fun and social clubs and societies as well as the chance to extend yourself academically. I got to work alongside some of the faculty’s top academics in their research.”

Kieran Cook  
Science (Advanced)/Doctor of Medicine

“Over the summer I did a paid internship with insurance firm Allianz. They asked me to come back over the winter to do some more work for them. During my placement I got to use the initiative, communication and presentation skills I had developed through my arts degree. Having a flexible approach and the ability to learn served me best.”

Alexandra Siegers  
Music Studies/Arts
“Undertaking the Business School’s Industry Placement Program was one of the best experiences of my life. During the program, I spent three months living in Washington DC, completing an internship on Capitol Hill while studying at the University of California Washington Centre. I interacted and worked with congressmen, lobbyists, legislative directors and policymakers on a daily basis, and met incredible young people from countries around the world.”

“The University of Sydney is the only university in Australia to offer a space program, and the strong arts subject offerings made it even more appealing. University life has honed my love for robotics and connects other passions outside of engineering to my degree, such as studying music at the Conservatorium through my arts degree. I’ve pursued my interest in Chinese by going on exchange and composed a piece of music that was part of Vivid Sydney.”

“I’m studying an area that really interests me, I’ve joined societies and I go to events. I’ve met a lot of really interesting people. My experience at Sydney has been pretty amazing. I can’t wait to see what’s next. My scholarship has been a constant motivator to study harder, embrace all the opportunities and make the most of uni life – both inside and outside of my degree.”

“The University of Sydney gave me the chance to study at one of the best business schools in the country and be taught by experts in their fields. There are many opportunities to attend networking events, panels and skills development sessions taught by current business professionals.”
WHAT WILL YOU START HERE?

We’ve taught generations of students who have gone on to remarkable achievements, including: 2 Nobel laureates, 3 astronauts, 7 prime ministers, 110 Rhodes scholars, 145 Olympians and 1 Pulitzer Prize winner.

University study has inspired many of our alumni to discover exciting new career paths or make the world their campus with experiences in other countries.

Theodora Chan and Associate Professor Eric Knight share what they started at Sydney (see page 17).

For more alumni stories, visit sydney.edu.au/leadership
“I can honestly say that no one who graduated from my university cohort expected to end up where they have. I would probably have never thought of starting my own business, which just goes to show you never know what path your career is going to take or where you want to end up.

After working in a number of roles across the creative media industry, a couple of my previous colleagues and I started up our own company – Hey Sippy. We do content marketing and production because brands these days need really good storytellers.

A good piece of advice my dad gave me was once you stop learning, you stop growing. A lot of my job changes happened because I felt I learnt everything I could and wanted to grow and expand my skillset.

Despite the fact that I love what I do, I’m not going to rule out any curve balls life is going to throw at me in the next 10 years. I can definitely see myself writing a book or mentoring full time, or even teaching in high school. Who knows? I don’t know and I’m certainly not going to rule anything out.”

Theodora Chan
Arts (Media and Communications) (Honours) graduate
Co-Founder and Content Director – Hey Sippy

“My research more recently focuses on corporate innovation and how leadership practices and processes enable new technology to emerge inside companies.

I often speak on these topics at forums such as the Sydney Festival of Dangerous Ideas and TEDx and am a Visiting Research Fellow at the University of Oxford.”

Associate Professor Eric Knight
Arts/Laws graduate, PhD
Associate Professor in Innovation and Management, the University of Sydney Business School
University is more than what happens in the classroom. With 200 clubs and societies, including 26 cultural groups, and 130+ nationalities on campus, there’s something for everyone. Make the most of it.

Our clubs and societies help you make the most of your university experience. They prepare you for the workforce by providing networking opportunities and allowing you to develop your leadership skills.

The University of Sydney Union is a student-led, not-for-profit organisation that invests all funds back into the student experience and runs many activities on campus.

– www.usu.edu.au
“Your involvement in the University can be limitless – it’s always up to the student. I had no idea about everything you could do until I reached second year. I’ve since been heavily involved in the uni and know so many amazing people. I’ve had experiences that I’ll never forget.”

Christian Hasbani
Civil Engineering and Arts (Economics)
Ranked in the top 10 most beautiful universities in the world, the University of Sydney has a network of campuses in the heart of the city and beyond.

**OUR LOCATION**
Our Camperdown/Darlington Campus is a short train ride from:
- the Sydney city centre (3 minutes)
- Strathfield (12 minutes)
- Circular Quay (13 minutes)
- Bondi Junction (15 minutes)
- North Sydney (16 minutes).

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

The campus is near Central and Redfern train stations, and on several major bus routes.

To explore our other campuses and locations around Sydney, visit:
- sydney.edu.au/campuses

To find your way around our campuses, visit:
- sydney.edu.au/maps

To find out more about Sydney’s public transport, visit:
- www.transportnsw.info

To find out more about Sydney suburbs, visit:
- www.cityofsydney.nsw.gov.au

*The Daily Telegraph (United Kingdom) and the Huffington Post (United States)*
At the University of Sydney, every undergraduate student has access to global opportunities to broaden their horizons.

Every year more than 3000 students visit or depart from the University of Sydney for an international experience.

Your opportunities include overseas field schools, global professional placements, and short-term, semester, and year-long exchanges with more than 270 partner universities worldwide. They cover China to Chile, Norway to New Zealand, Sweden to Spain and the United States to the United Kingdom.

At least 120 of these exchange partners are ranked in the top 200 universities in the world.*

We offer support for your overseas experience through travel scholarships, grants and loans. Visit our website to learn more.

Our study abroad and exchange programs:
- sydney.edu.au/study/overseas-exchange

Our exchange scholarships:
- sydney.edu.au/scholarships/current/exchange

We also connect you to the world through our affiliations with international institutions, industry and alumni mentoring programs and partnerships.

* Times Higher Education World University Rankings 2016-17
“It was such an incredible experience which gave me the opportunity to call another city home and meet people from all around the world, all while internationalising my studies.”

Ani Hoxha
Design in Architecture
Exchange Program at Aarhus University, Denmark
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**
- Assistance with university entry
- Personal support
- Tutorial assistance

**Career support**
- Vocational guidance and career planning
- Training to develop employability skills
- Careers fairs where you can meet employers
- Sydney CareerHub, an online jobs database

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

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

**Academic, language and learning support**
- Bridging courses
- Online learning resources
- Drop-in support
- Mathematics Learning Support

**Disability services**
- Assisted technology
- Lecture support
- Building/room accessibility
- Academic plans

**Financial assistance**
- Study-related expenses
- Help with essential living costs

**Accommodation**
- On-campus student housing
- Residential colleges
- Off-campus living

For more information and to access our student support services visit:
- sydney.edu.au/campus-life
SPORT AND FITNESS

Sydney Uni Sport & Fitness offers a huge range of facilities, programs and campus events to keep you healthy and active during your time at the University.

You can get involved in athletics, swimming, tennis, golf, hockey, soccer, rugby union, rowing, scuba diving, skiing and more. Whether you just want to keep fit or compete at the highest level, we’ve got something for you.

Stay in touch with all things sport and fitness at the University of Sydney by visiting our website:
- www.susf.com.au

“Growing up playing basketball, a big dream of mine was to play for the Sydney Uni Flames. To have the opportunity to do that while enrolling in a renowned physiotherapy program was awesome.

Whether I have needed to reschedule an exam due to travel commitments, or just have a chat when things are getting a bit stressful, the Elite Athlete Program has been invaluable throughout my degree.”

Chloe Dalton
Physiotherapy
Rio Olympics gold medallist (Rugby Sevens)
Choosing where to live may be one of the biggest decisions you’ll make when you start university. 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, including the newly built self-catered accommodation located near the Abercrombie Precinct and Royal Prince Alfred Hospital.

— sydney.edu.au/accommodation

“I moved into St Andrew’s College, one of the residential colleges on campus, when I came to Sydney in my first year. Aside from being extremely convenient and making the transition over here so easy, it has been fantastic to make so many lifelong friends. With the busy college calendar I have made some of the best memories of my life this year.”

Alex Littlewood
Science (Advanced)
Resident of St Andrew’s College
## Camperdown/Darlington Campus

<table>
<thead>
<tr>
<th>Places</th>
<th>Gender</th>
<th>Phone</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>University residence halls ($205 – $431 per week)</strong></td>
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<td></td>
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</tr>
<tr>
<td>Abercrombie</td>
<td>200</td>
<td>F, M</td>
<td>+61 2 9351 3322 sydney.edu.au/accommodation</td>
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<tr>
<td>Darlington House</td>
<td>54</td>
<td>F, M</td>
<td>+61 2 9351 3322 sydney.edu.au/accommodation</td>
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<tr>
<td>Queen Mary Building</td>
<td>799</td>
<td>F, M</td>
<td>+61 2 9351 3322 sydney.edu.au/accommodation</td>
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<tr>
<td>Selle House</td>
<td>14 (PG only)</td>
<td>F, M</td>
<td>+61 2 9351 3322 sydney.edu.au/accommodation</td>
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<tr>
<td>Terraces</td>
<td>78</td>
<td>F, M</td>
<td>+61 2 9351 3322 sydney.edu.au/accommodation</td>
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<tr>
<td><strong>Residential colleges ($397 – $687 per week)</strong></td>
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<tr>
<td>International House</td>
<td>200</td>
<td>F, M</td>
<td>+61 2 9950 9800 sydney.edu.au/internationalhouse</td>
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<tr>
<td>Mandelbaum House</td>
<td>36</td>
<td>F, M</td>
<td>+61 2 9692 5200 <a href="http://www.mandelbaum.usyd.edu.au">www.mandelbaum.usyd.edu.au</a></td>
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<tr>
<td>Sancta Sophia College</td>
<td>170 (UG) 128 (PG)</td>
<td>F (UG)/PG M (PG)</td>
<td>+61 2 9577 2100 sanctasophiacollege.edu.au</td>
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<tr>
<td>St Andrew’s College</td>
<td>285</td>
<td>F, M</td>
<td>+61 2 9565 7300 standrewscollege.edu.au</td>
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<tr>
<td>St John’s College</td>
<td>252</td>
<td>F, M</td>
<td>+61 2 9594 5000 stjohnscollege.edu.au</td>
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<tr>
<td>St Paul’s College</td>
<td>300</td>
<td>F (PG) M (UG/PG)</td>
<td>+61 2 9550 7444 <a href="http://www.stpauls.edu.au">www.stpauls.edu.au</a></td>
</tr>
<tr>
<td>Wesley College</td>
<td>260</td>
<td>F, M</td>
<td>+61 2 9565 3333 welseycollege.usyd.edu.au</td>
</tr>
<tr>
<td>The Women’s College</td>
<td>280</td>
<td>F</td>
<td>+61 2 9517 5000thewomenscollege.com.au</td>
</tr>
<tr>
<td><strong>Independently run student housing ($90 – $649 per week)</strong></td>
<td></td>
<td></td>
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<tr>
<td>Sydney University Village</td>
<td>650</td>
<td>F, M</td>
<td>+61 2 9036 4000 sydneyuv.com.au</td>
</tr>
<tr>
<td>Stucco</td>
<td>40</td>
<td>F, M</td>
<td>- stucco.org.au</td>
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## Camden and Cumberland campuses

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<th>Places</th>
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<td><strong>University residence halls ($140 – $335 per week)</strong></td>
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<td></td>
<td></td>
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<tr>
<td>Nepean Hall (Camden)</td>
<td>43</td>
<td>F, M</td>
<td>+61 2 9351 1645 sydney.edu.au/accommodation</td>
</tr>
<tr>
<td>Nepean Lodge (Camden)</td>
<td>98</td>
<td>F, M</td>
<td>+61 2 9351 1645 sydney.edu.au/accommodation</td>
</tr>
<tr>
<td>Yannadah (Cumberland)</td>
<td>39</td>
<td>F, M</td>
<td>+61 2 9351 1645 sydney.edu.au/accommodation</td>
</tr>
</tbody>
</table>

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**Important fee information**
The accommodation fees listed are intended as a guide for students and are based on 2017 fees for new students. They are correct at the time of printing to the best of the University of Sydney’s knowledge. Students should contact the individual accommodation providers for detailed and up-to-date information, including additional costs and fees. Please note that some colleges charge non-refundable application fees. Students are also advised that some residences have 52-week contracts, while others only provide accommodation during semester.
The Abercrombie Building is the headquarters for the University of Sydney Business School. It offers lecture theatres, seminar rooms, learning hubs and informal learning spaces.
University study isn’t simply about gaining credentials. It’s about investing your time in the investigation and discovery of what it is you really like doing.

Start by thinking about what subjects interest you, as well as how you like to learn and what you want from your university experience.
“Go confidently in the direction of your dreams. Live the life you have imagined.”

Henry David Thoreau (1817–1862)
American author, poet, philosopher, abolitionist, naturalist, surveyor, historian
Career pathways
- Architect
- Building designer
- Architectural technician
- Urban planner
- Property developer
- Architectural writer
- Researcher
- Heritage consultant
- Sustainability expert
- Interaction designer
- User-experience (UX) designer
- Product designer
- Service designer
- Data visualisation specialist
- Creative technologist
- Front-end developer
- Digital producer

Invent with intent. When you study architecture or interaction design at the University of 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.

“I was selected to volunteer at the Venice Biennale of Architecture during the mid-year break. This was an amazing experience that indulged my curiosity about the curation of architecture. It also gave me access to some very important historical sites, particularly the Fondazione Querini Stampalia, which I’d written an essay about in the previous semester. The art and architecture I saw have informed my designs since returning.”

Sophie Lannigan
Design in Architecture

We are ranked first in Australia for architecture and offer exchanges in 16 countries

Our Design Computing degree is a unique course combining creativity and code

*QS World University Rankings by Subject 2017
The University of Sydney is a pioneer in this area with their Design Computing course. Their curriculum covers everything from art to deep-end technology. Since the students study the full spectrum, they not only have a choice of careers ahead of them, they are also fantastic collaborators.

The graduates emerging from the Design Computing course are in very high demand. They are sought after by employers across different industries, particularly those with their finger on the pulse of change.

Hural Inan
CEO Wunderman-Bienalto
Take it forward
At Sydney you’ll develop both big-picture thinking and attention to detail, along with the negotiation skills for project management, team leadership and co-ordinating consultants. You can build your repertoire of targeted training through our on-demand Open Learning Environment courses or choose to combine your design computing degree with our new Bachelor of Advanced Studies to extend your broader learning through a second major. You’ll graduate ready for a rewarding career that is creatively driven and technically challenging.

“I now have a broader sense of the role that architecture, design and planning plays in our changing world, and the extent to which it can influence our everyday lives.”

Ariel Del Rosario
Architecture and Environments

“Design Computing is a unique technology-driven course that allows you to learn a bit of everything early on, so that as you progress through the course and develop these core skills you end up shaping your own unique path.”

Mackenzie Etherington
Design Computing

Sample course structure: Bachelor of Architecture and Environments

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Processes and Methods</td>
<td>Design Integration Lab: Materials</td>
<td>Architectural Technologies 3</td>
</tr>
<tr>
<td>Architectural History and Theory 1</td>
<td>City Form and Development</td>
<td>Design Integration Lab: Urban</td>
</tr>
<tr>
<td>Architectural Sketching and Drawing</td>
<td>Light and Sound</td>
<td>Designing for Environmental Quality</td>
</tr>
<tr>
<td>Architectural Communications 1</td>
<td>Elective: Modelling and Fabrication</td>
<td>Elective: Code to Production</td>
</tr>
<tr>
<td>Safety Induction and Competency Unit</td>
<td>Design Integration Lab: Energy</td>
<td>Property and the Built Environment</td>
</tr>
<tr>
<td>Empirical Thinking</td>
<td>Architectural Technologies 2</td>
<td>Design Integrative Lab: Capstone</td>
</tr>
<tr>
<td>Architectural Technologies 1</td>
<td>Algorithmic Architecture</td>
<td>Elective: Architectural Professional Practice</td>
</tr>
</tbody>
</table>
To the ancient Greeks, the liberal arts were the ultimate mark of an educated person, preparing them for success in public life. Today’s fast-changing world demands the same creativity, logic and critical-thinking skills, and you can develop all these and more by studying the humanities, economics and social sciences at the University of Sydney.

“The Kakadu Service Learning experience gave me tangible skills in consulting, cross-cultural dialogue, real-life working teams and the complexities involved in setting up a corporation. It has been a phenomenal opportunity to be welcomed into an Indigenous community, and see if I can use my skills to help others.”

Caitlin Gauci
Arts
Many subjects
Bring your intellectual curiosity and we’ll provide more than 45 majors for you to choose from, including anthropology, Asian or European studies, economics, history and Indigenous studies. You can explore archaeology, digital media, gender and culture, financial economics and econometrics, politics and international relations, literature, languages and linguistics, theatre and performance, sociology and social policy. You can also draw on the huge range of interesting and diverse offerings from other disciplines in our shared pool and build skills through our on-demand Open Learning Environment.

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 (History, Socio-Legal Studies)

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>History major: Time and Place</td>
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<tr>
<td></td>
<td>History major: Forging the Modern World</td>
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<tr>
<td></td>
<td>Socio-Legal Studies major: Introduction to Socio-Legal Studies</td>
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<tr>
<td></td>
<td>Socio-Legal Studies major: Law and Contemporary Society</td>
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<tr>
<td></td>
<td>Elective: Society, Knowledge and Self</td>
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<tr>
<td></td>
<td>Elective: Reality, Ethics and Beauty</td>
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<td></td>
<td>Elective: Introduction to Diversity</td>
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<td></td>
<td>Elective: Introduction to Indigenous History</td>
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<tr>
<td>Year 2</td>
<td>History major: American History from Lincoln to Obama</td>
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<tr>
<td></td>
<td>History major: BOOM! The History of War</td>
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<tr>
<td></td>
<td>Socio-Legal Studies major: Socio-Legal Theory</td>
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<tr>
<td></td>
<td>Socio-Legal Studies major: Crime, Punishment and Society</td>
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<tr>
<td></td>
<td>Elective: History of Ethics</td>
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<tr>
<td></td>
<td>Elective: Truth, Meaning and Language</td>
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<tr>
<td></td>
<td>Open Learning Environment: Global Ethics and Futures*</td>
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<tr>
<td></td>
<td>Open Learning Environment: The Design of Social Media Campaigns*</td>
</tr>
<tr>
<td>Year 3</td>
<td>History major: Tablet to iPad: A History of Information</td>
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<td>History major: History Beyond the Classroom</td>
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<td></td>
<td>History major: The Origins of Human Rights</td>
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<tr>
<td></td>
<td>History major: History in Interdisciplinary Contexts*</td>
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<tr>
<td></td>
<td>Socio-Legal Studies major: Doing Socio-Legal Research</td>
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<tr>
<td></td>
<td>Socio-Legal Studies major: Medico-Legal and Forensic Criminology</td>
</tr>
<tr>
<td></td>
<td>Socio-Legal Studies major: Crime, Media and Culture</td>
</tr>
<tr>
<td></td>
<td>Socio-Legal Studies major: Surveillance and Society</td>
</tr>
</tbody>
</table>

* Units are indicative only

“I worked with several different clients during my ArtSS Career-Ready placement at KPMG, including McGrath, Deutsche Bank, JLL Property and Lend Lease. I worked on analytics, preparing documents, searching data, meeting with clients, and learning the value of teamwork and collaboration.”

Hannah Saville
Economics
**Experience and internships**

At Sydney you’ll learn to think rigorously, assess assumptions, develop strategies and test ideas against evidence. Stretch your knowledge and challenge yourself with our new combined Bachelor of Arts/Bachelor of Advanced Studies or Bachelor of Economics/Bachelor of Advanced Studies degrees. You’ll have the opportunity to take what you learn inside the classroom and apply it to real-world industry and community projects. Through our ArtSS Career-Ready program, offering career planning support and competitive, paid placements with leading companies, you’ll graduate equipped for countless careers.

If you’re a high-achieving student with an ATAR (or equivalent) 98+, you will be invited to take part in the Dalyell Scholars program, where you will have access to enrichment and acceleration opportunities such as high achiever programs, mentoring and professional skills development, an option to accelerate to master’s level and a global mobility scholarship.

**Expand your horizons**

You may wish to add cross-disciplinary units to your study or extend your range of skills. You can access advanced coursework and project work by combining your degree with the new Bachelor of Advanced Studies. You will have the opportunity to craft your own expert niche by combining your primary major with a second major in any field of study in our cross-disciplinary shared pool of majors and minors, or delve into honours research.

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**Sample course structure: Bachelor of Arts/Bachelor of Advanced Studies (Chinese Studies, Japanese Studies) with advanced coursework in Multilingual Translation**

**Year 1**
- Chinese Studies major: Chinese 1A and 1B
- Japanese Studies major: Japanese 1 and 2
- Elective: Introduction to Asian Cultures
- Elective: Modernity in Asia
- Elective: Introduction to Cultural Studies
- Elective: Screen Cultures and Gender: Film to Apps

**Year 2**
- Chinese Studies major: Chinese 2A and 2B
- Chinese Studies major: Communication and Social Change in China
- Japanese Studies major: Japanese 3 and 4
- Japanese Studies major: Love and Death in Japanese Literature
- Open Learning Environment: Cultures of Food (Europe, Asia, Middle East and North Africa)*, Enhancing Cultural Competency*, Global Health Challenges*
- Open Learning Environment: Digital Skills for the 21st Century Student*, The Arab World Today*, Understanding Creativity*

**Year 3**
- Chinese Studies major: Chinese 3A
- Chinese Studies major: Advanced Chinese Translation
- Chinese Studies major: Chinese Studies in Interdisciplinary Contexts*
- Japanese Studies major: Behaving the Japanese Way
- Elective: Chinese Religions in Modernity
- Elective: Remaking Chinese Society: 1949 to present
- Elective: Race and Representation
- Open Learning Environment: Understanding Europe 1, 2 and 3*

**Year 4**
- Japanese Studies major: Japanese Historical Texts
- Japanese Studies major: Japanese Studies in Interdisciplinary Contexts*
- Advanced coursework: Multilingual Digital Content
- Advanced coursework: Principles and Ethics of Translation
- Advanced coursework: Translation: Chinese – English
- Advanced coursework: Translation: Japanese – English
- 4000-level project: Multilingual Translation Project

* Units are indicative only
Sample course structure: Bachelor of Arts/Bachelor of Advanced Studies (Media and Communications, English)

**Year 1**
- English major: Narratives of Romance and Adventure
- English major: Language, Texts and Time
- MECO program: Introduction to Media Studies
- MECO program: Media and Communications Landscapes
- MECO program: Introduction to Media Production
- MECO program: Media Production: Media Writing
- Elective: Performance: Process and Collaboration
- Elective: Dangerous Performances

**Year 2**
- English major: Myths, Legends and Heroes
- English major: Imagining Camelot
- MECO program: Media Production: Audio and Radio
- MECO program: Web Transformations
- MECO program: Cyberworlds
- MECO program: Public Relations
- Open Learning Environment: The Design of Social Media Campaigns*
- Open Learning Environment: Search Hack: how to search pretty much anything*, Knowledge Toolkit*, Promote Programming Literacy with Interactive Media*

**Year 3**
- English major: Introduction to Old English*
- English major: Metaphor and Meaning*
- MECO program: Media Production: Advanced Media Writing
- MECO program: Media, Law and Ethics
- MECO program: Media Production: Video
- MECO program: Media Studies in Interdisciplinary Contexts*
- Elective: Rehearsing Shakespeare
- Elective: Performance: Production and Interpretation

**Year 4**
- English major: Medieval Tales of Wonder
- English major: The Canterbury Tales
- MECO program: Research Practices
- MECO program: Entrepreneurial Leadership in Media Organisations
- MECO program: Global and Digital Media
- MECO program: Internship
- MECO program: Major Media Project

* Units are indicative only

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Sample course structure: Bachelor of Arts (European Studies, International Business) Dalyell Scholar

**Year 1**
- European Studies major: European Identity in the 21st Century
- European Studies major: Visions of Contemporary Europe
- International Business minor: Global Business
- International Business minor: Cross-Cultural Management
- Electives: Spanish 1 and 2
- Elective: Cultural Difference: An Introduction
- Elective: Anthropology and the Global

**Year 2**
- European Studies major: Institutions of the European Union
- European Studies major: Migration and Asylum in the EU
- International Business minor: International Business Strategy
- International Business minor: International Risk Management
- International Business minor: Intellectual Property for Business
- Dalyell Scholar electives: Transformative Texts 1 and 2
- Open Learning Environment: Global Ethics and Futures*

**Year 3**
- European Studies major: European Studies in Interdisciplinary Contexts*
- European Studies major: Civilisations in Contact
- European Studies major: Muslims in Europe
- European Studies major: Europe: Individualism and Identity
- International Business minor: Ethical International Business Decisions
- Electives: Spanish 3 and 4
- Open Learning Environment: The Arab World: What Everybody Needs to Know*, Cultures of Food (Europe, Asia, Middle East and North Africa)*, Disability Awareness and Inclusivity*

* Units are indicative only
What are your happiest memories about your time here as a student?
The best part of my degree was my first year. I grew up in Sydney’s outer western suburbs, and I still remember the day a bunch of us from Penrith High came to Open Day. We were so impressed by the architecture alone — it felt like we’d stepped into Hogwarts. I’m the first person in my family to attend uni, and I made my decision to apply for Sydney on the basis of that one Open Day.

What advice would you give to students?
Don’t worry too much if you don’t know exactly what you want to do with your life. Don’t panic that you’ve missed the boat, or that you haven’t landed your ‘dream job’. Don’t be too fussy — just try working different jobs, in different places, and you’ll eventually work out what feels right for you.
Your global business journey starts here. When you study at the University of Sydney Business School you will gain the in-depth knowledge and targeted skills essential for succeeding in business or building your own start-up.

“A commerce degree is the perfect platform to put your passions into practice. The subjects are contemporary and relevant to the way business is changing and matched by real-world experience.”

Laurie Yutuc
Commerce/Arts
Big-picture thinking
Our degrees, developed in partnership with industry leaders, will enhance your critical thinking as you apply problem-solving skills to team projects and case-based learning. We offer a broad range of majors essential for tomorrow’s leaders. They include accounting, banking, data analysis and information systems, economics, entrepreneurship, finance, industrial relations and human resources, international business, management and marketing.

We will cover social enterprise, good corporate citizenship and the ethical implications of business and trade, and you will gain an understanding of how the overall economic climate affects particular sectors.

International accreditations
Our new Bachelor of Commerce/Bachelor of Advanced Studies combined degree allows you to explore your interests in other disciplines alongside your business studies, from maths to music, and tailor your studies to suit a career in a specialised industry.

We welcome students from all over the world and we are the only business school in Australia to achieve membership to CEMS – the Global Alliance in Management Education – as well as international accreditation from AACSB and EQUIS.

Forward looking
You will graduate with all the attributes you need for a career, including strong communication and negotiation skills and the capacity to shape thinking in difficult situations.

Build these skills through our on-demand Open Learning Environment courses in design thinking, persuasive communication, project management, team leadership and entrepreneurial thinking.

If you’re a high-achieving student with an ATAR (or equivalent) 98+, you may be invited to take part in the Dalyell Scholars program, where you will have access to enrichment and acceleration opportunities such as mentoring and professional skills development, an option to accelerate to master’s level and a global mobility scholarship.

“The opportunities available to students at the Business School are limitless. I will finish my study with a world-renowned degree and the skills and experiences to ensure a strong start to my career.”

Charles Rees
Commerce (Liberal Studies)
### Sample course structure: Bachelor of Commerce (Accounting, Financial Economics)

#### Year 1
- Accounting major and degree core: Accounting, Business and Society
- Accounting major: Accounting and Financial Management
- Financial Economics major and degree core: Quantitative Business Analysis
- Financial Economics major: Introductory Microeconomics
- Degree core: Future of Business
- Elective: Introductory Macroeconomics
- Elective: Digital Business Innovation
- Elective: Foundations of Business Law
- Summer Intensive Session
- Washington DC Placement Program

#### Year 2
- Accounting major: Management Accounting A
- Accounting major: Financial Accounting A
- Financial Economics major: Financial Econometrics
- Degree core: Leading and Influencing in Business
- Open Learning Environment: Global Ethics and Futures*
- Open Learning Environment: The Design of Social Media Campaigns*

#### Year 3
- Accounting major: Financial Statement Analysis
- Accounting major: International Corporate Governance
- Accounting major: Financial Accounting B
- Accounting major: Accounting and Auditing in Practice
- Financial Economics major: The Economics of Financial Markets
- Financial Economics major: The Econometrics of Financial Markets
- Financial Economics major: Forecasting for Business and Economics
- Financial Economics major: The Economics of Regulation

* Units are indicative only

### Sample course structure: Bachelor of Commerce/Bachelor of Advanced Studies (Professional Accounting, Finance)

#### Year 1
- Professional Accounting program and degree core: Accounting, Business and Society
- Professional Accounting program: Accounting and Financial Management
- Professional Accounting program, Finance Major and Degree Core: Quantitative Business Analysis
- Professional Accounting program, Finance Major: Economics for Business Decision-Making
- Degree core: Future of Business
- Elective: Popular Music
- Elective: Introductory Macroeconomics
- Elective: Psychology 1001

#### Year 2
- Professional Accounting program: Management Accounting A
- Professional Accounting program: Financial Accounting A
- Professional Accounting program: Business Law for Accountants
- Professional Accounting program, Finance Major: Corporate Finance I
- Finance major: Corporate Finance II
- Degree core: Leading and Influencing in Business
- Open Learning Environment: Global Ethics and Futures*
- Open Learning Environment: Digital Skills for the 21st Century Student*, Symmetry*, Analysing and Plotting Data with Python*

#### Year 3
- Professional Accounting program: Financial Accounting B
- Professional Accounting program: Accounting Information Systems
- Professional Accounting program: Australian Taxation System
- Professional Accounting program: Accounting and Auditing in Practice
- Finance major: Investments and Portfolio Management
- Finance major: Derivative Securities
- Elective: Economics of Competition and Strategy
- Elective: Asian Economies

#### Year 4
- Advanced coursework: Professional Accounting in Practice*
- 4000-level project: Community microfinance*
- Finance major: International Financial Management
- Finance major: Finance in Practice

* Units are indicative only
Jenny Stokkevag Berg  
Commerce student

**Why did you choose the Bachelor of Commerce?**
When I left Norway to come to the University of Sydney, I didn’t know what I wanted to pursue as a career. But I had an interest in business, and the opportunity to tailor my degree towards my passions in the Bachelor of Commerce was very appealing. I also knew that the Business School had a great reputation for excellent teaching, so it was the ideal choice.

**What do you find most interesting about your degree?**
I like how the business environment is so dynamic, especially within the area of marketing. With rapid advancements in technology, things are constantly changing and it keeps things fresh. There is so much room for development.

**What advice would you give to an incoming student who is interested in Business?**
Spend some time during your first year to really figure out which core subjects you enjoy, because they will provide you with an insight into diverse fields of studies. You may enter university with a clear idea of what you want to do, but be sure to also keep an open mind, try new things and test your skills.

**What sort of career do you hope to have after graduating?**
I would love to work in marketing after I graduate, especially digital marketing. I am interested in a career that will give me the chance to be creative, develop my skills and work overseas.

---

**Sample course structure: Bachelor of Commerce (Marketing, International Business) Dalyell Scholar**

**Year 1**
- International Business minor: Global Business
- International Business minor: Cross-Cultural Management
- Marketing major: Marketing Research
- Marketing major: Marketing Principles
- Degree core: Future of Business
- Degree core: Quantitative Business Analysis
- Degree core: Accounting, Business and Society
- Elective: Understanding Contemporary China

**Year 2**
- International Business minor: International Business Strategy
- International Business minor: International Risk Management
- International Business minor: Intellectual Property for Business
- Marketing major: Consumer Behaviour
- Marketing major: Marketing Insights
- Degree core: Leading and Influencing in Business
- Open Learning Environment: Student Leadership*, Healthy Minds, Healthy Bodies*, Disability Awareness and Inclusivity*
- Open Learning Environment: Cultures of Food (Europe, Asia, Middle East and North Africa)*, The Arab World Today: What Everybody Needs to Know*, Understanding Europe**

**Year 3**
- International Business minor: Social Entrepreneurship
- Marketing major: Digital and Social Media Marketing
- Marketing major: Marketing Communications
- Marketing major: Building and Managing Brands
- Marketing major: Marketing in Practice
- Dalyell elective: Dalyell Consulting Project
- Dalyell elective: Dalyell Research Project
- Dalyell elective: Transformative Texts 1

* Units are indicative only
“One book, one pen, one child and one teacher can change the world,” said Pakistani activist and Nobel laureate Malala Yousafzai. Through teaching or social work you can make a world of difference. At the University of Sydney you’ll explore ideas and issues to become a highly informed practitioner and a lifelong learner.

“The Primary Education degree incorporates professional experience every year, so you’re able to make connections with a wide range of schools as you gain practical experience to balance the theory you learn on campus.”

Carmen Stoddart
Education (Primary)
Make an impact
Who among us doesn’t remember a great teacher? The best teachers engage young minds and ignite their curiosity – the classroom setting opens up opportunities for spontaneous, reasoned dialogue through which you can offer your students new ideas and perceptions. At Sydney we have education programs in early childhood, primary and high school teaching, with diverse specialisations including drama, English and languages, science, mathematics, economics, physical education, history, music and social sciences. Our graduates enjoy the rewarding experience of developing the next generation of thinkers.

Improve lives
Motivated by your commitment to social justice and human rights, studying social work at Sydney will engage you in policy development, frontline social care, counselling, advocacy and community development. You can change lives for the better through a broad variety of work with vulnerable children, people with disabilities, refugees, senior citizens, victims of war or crime and families affected by drugs or alcohol. You will gain strong negotiating skills, a nuanced understanding of cultural contexts and sensitivity to various religious beliefs.

Go further
If you’re a high-achieving student with an ATAR (or equivalent) 98+, you may be invited to take part in the Dalyell Scholars program, where you will have access to enrichment and acceleration opportunities such as high achievers’ programs, mentoring and professional skills development, an option to accelerate to master’s level and a global mobility scholarship.

Build skills and resilience
In combined Bachelor of Education and Bachelor of Social Work degrees, you can develop your broader skills by accessing our on-demand modular courses in the Open Learning Environment. From the best search hacks for finding information to a snapshot of the health epidemics that defined a century, our Open Learning Environment units will help make you resilient and adaptable.

Accreditations
Our teaching and social work degrees are recognised in Australia and overseas, so your skills will be sought after and portable. Teachers and social workers are always in great demand – these fields offer you far more than a job, they will give you a great sense of purpose.
“Coming from a war-torn country inspired me to help other people who are facing traumatic situations. My field placement was with child protection to understand about children at significant risk of harm. Studying social work at the University of Sydney has helped me to find where my strength lies and how I can contribute to society.”

Murray Kumara
Social Work

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

<table>
<thead>
<tr>
<th>Year 1</th>
</tr>
</thead>
</table>
Ancient History major: Foundations for Ancient Greek History  
Ancient History major: Foundations for Ancient Roman History  
Latin minor: Introduction to Latin 1 and 2  
Elective: Ancient People: Hunters and Farmers  
Elective: Civilisations of the Ancient World  
Education core: Education, Teachers and Teaching  
Education core: Human Development and Education  

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<thead>
<tr>
<th>Year 2</th>
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</thead>
</table>
Ancient History major: Ancient Greek Religion  
Ancient History major: Augustus and the Roman Revolution  
Latin minor: Intermediate Latin 1 and 2  
Education core: Pedagogy and Professional Practice 1  
Education core: Literacy and Diversity  
Education core: Educational Psychology  
Education core: Social Perspectives on Education  

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<thead>
<tr>
<th>Year 3</th>
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</table>
Ancient History major: Peloponnesian War and Culture  
Ancient History major: Julius Caesar and the Fall of the Roman Republic  
Education core: Pedagogy and Professional Practice 2  
Education core: Professional Experience A  
Education core: Information Technology in Schools  
Curriculum unit: First Teaching Area (Ancient History)  
Curriculum unit: First Teaching Area (Ancient History)  
Curriculum unit: Second Teaching Area (Latin)  
Curriculum unit: Second Teaching Area (Latin)  

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<tr>
<th>Year 4</th>
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</thead>
</table>
Ancient History major: Hannibal, Carthage and Rome*  
Ancient History major: Ancient History in Interdisciplinary Contexts*  
Education core: Craft Knowledge and Professional Practices 3  
Education core: Professional Experience B  
Education core: Aboriginal Studies  
Education core: Positive Approaches to Special Education  
Education core: Reading and Applying Educational Research  
Curriculum unit: First Teaching Area (Ancient History)  
Curriculum unit: Second Teaching Area (Latin)  

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<tr>
<th>Year 5</th>
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</table>
Latin minor: Virgil’s Aeneid  
Latin minor: Latin Republican Prose  
Open Learning Environment: LEO – Leadership in Education and Organisations.*  
Open Learning Environment: Participatory writing in digital mode*  
Education core: Professional Internship  
Education option 3: Responding to Diverse Needs in Schools  
Education option 5: Aboriginal Studies as a Third Teaching Area  

* Units are indicative only
“What we consider to be impossible are simply engineering problems,” physics professor and futurist Michio Kaku says. From wi-fi to space travel, engineers, project managers and information technology professionals develop innovative and sustainable solutions to society’s greatest problems. When you study at the University of Sydney, you can be part of achieving the impossible.

Career pathways

- Aircraft/aerospace engineer
- Biomedical engineer, implantable and external medical device manufacturer
- Civil engineer, innovative building design; humanitarian projects in disaster recovery; government and public policy
- Chemical engineer, agri-business and food production; cosmetic or pharmaceutical production
- Electrical engineer, mobile communications systems; renewable energy generation
- Mechanical engineer, vehicle and engine design; logistics and transport industries
- Mechatronics engineer, robotics, automation and smart infrastructure
- Computer programmer
- Computer systems analyst, retail data systems
- Project manager, construction, banking and finance industries
- Web developer, including user interface design
- Software developer
- Geotechnical engineer, mining industry

“Doing my degree at the University of Sydney allows me to learn from civil engineers who have worked on major projects. This wealth of knowledge and experience has helped me to achieve my goals.”

Hillary Pan
Engineering Honours (Civil)
Lendlease Bradfield Scholarship finalist 2016

Explore engineering interests
Our students work closely with leading academics, researchers and industry partners to create smarter ways of running our planet. They help airlines to fly cleaner and farmers to increase crop yields, explore deep under water or outer space and bring solar power to remote communities. You can try out mechanical, chemical, computer, electrical, biomedical, space or structural engineering before settling on a specialisation that will shape your career.

Tune into technology
From smartphones, 3D printers and drones to transport networks, smart cities and the internet of things – all hardware needs software to drive it. Computing and information systems help us gather and translate data that changes the way the world functions, from running a bank to the temperature of an operating theatre. By studying computing at Sydney, you’ll develop the creativity, originality and problem-solving skills that employers across many sectors value most.

Look forward
At Sydney you can combine engineering, project management or IT with a degree in science, arts, commerce or law, and broaden your horizons in Australia and overseas. Our on-demand Open Learning Environment enables you to build the skills you need, when you need them, through a wide variety of flexible modular courses. They include specialist programs in mathematical sciences and languages, mentoring, personal skill development and international experiences. Engineering and IT are the fields of the future and our degrees equip you with the necessary skills and knowledge to emerge as a leader in these fields.

If you’re a high-achieving student with an ATAR (or equivalent) 98+, you may be invited to take part in the Dalyell Scholars program, which allows you to access advanced coursework and a suite of enrichment opportunities.

“I led a team of students from the University who mentored high school students competing in the international Zero Robotics competition. These mentors had the amazing experience of helping their students to program robots that live on the International Space Station.”

Ben Morrell
Engineering Honours (Aeronautical)
Aerospace PhD candidate
Sample course structure: Bachelor of Advanced Computing (Computer Science, Design)

**Year 1**

- Degree core: Integrated Computing 1A and 1B
- Computer Science major and Degree Core: Programming 1 and 2
- Degree core: IT Maths 1 and 2
- Degree core: Critical Thinking with Data*
- Degree core: Intro Computer Systems
- Degree core: Informatics: Data and Computation

**Year 2**

- Computer Science major and degree core: Data Structures and Algorithms
- Degree core: Data and Information Management*
- Degree core: Software Processes
- Degree core: Integrated Computing 2*
- Computer Science major: Algorithmic Design
- Computer Science major: Logic and Formal Languages*
- Design major: Principles of Design
- Design major: Design Theory and Culture

**Year 3**

- Degree core: Integrated Computing 3*
- Computer Science major: Programming Languages
- Computer Science major: Distributed Systems
- Computer Science major: Computer Science Project
- Design major: Design Thinking
- Design major: Visual Communication
- Design major: Web and Interface Design
- Elective: Data Science: Scale and Data Diversity

**Year 4**

- Degree core: Thesis A and B
- Degree core: Integrated Computing 4*
- Design major: Design Innovation Studio
- Design major: Data Design Studio
- Design major: Information Design and Visual Storytelling
- Open Learning Environment: Business Entrepreneurship*, STEM Communications*, Understanding Creativity*
- Elective: Graphics and Multimedia
- Elective: Experience and Service Design

* Units are indicative only

Sample course structure: Bachelor of Engineering Honours (Biomedical, Information Systems)

**Year 1**

- Degree core: Differential Calculus
- Degree core: Integral Calculus and Modelling
- Degree core: Linear Algebra
- Degree core: Statistics
- Degree core: Biomedical Engineering 1A and 1B
- Degree core: Engineering Mechanics
- Degree core: Integrated Engineering 1
- Degree core: Chemistry 1A
- Degree core: Programming 1

**Year 2**

- Degree core: Integrated Engineering 2
- Degree core: Anatomy and Physiology for Engineers
- Degree core: Biomedical Engineering 2
- Degree core: Materials 1
- Degree core: Fundamentals of Electrical and Electronic Engineering
- Degree core: Signals and Systems
- Information Technology major: Operating Systems and Machine Principles
- Information Technology major: Algorithms and Complexity
- Information Technology major: Database Systems

**Year 3**

- Degree core: Manufacturing Engineering
- Degree core: Integrated Engineering 3
- Degree core: Electronic Devices and Circuits
- Degree core: Biomedical Design and Technology
- Biomedical stream elective: Regulatory Affairs in the Medical Industry
- Biomedical stream elective: Health System Data Standards and Analysis
- Information Technology major: Graphics and Multimedia
- Information Technology major: Human–Computer Interaction
- Information Technology major: Introduction to Artificial Intelligence

**Year 4**

- Degree core: Integrated Engineering 4
- Degree core: Thesis A and B
- Degree core: Practical Experience
- Degree core: Tissue Engineering
- Degree core: Biomechanics and Biomaterials
- Degree core: Introduction to Biomechatronics
- Biomedical stream elective: Fundamentals of Neuromodulation
- Biomedical stream elective: Biomedical Product Development

* Units are indicative only
Why did you choose to study a degree in Information Technologies?
In Year 11 I attended the University of Sydney’s National Computer Science School (NCSS) summer school, which gave me a perspective into the challenging and fast-paced world of information technology. I enjoyed the camp both intellectually and socially, and from that time on I knew that studying IT at the University was for me.

Doing a degree in IT allows me the flexibility to study a wide variety of fields: artificial intelligence, security, databases and complexity theory, with the option to take honours in my fourth year and a master’s elective as an undergraduate.

What do you find most interesting about your degree?
My degree challenges me to solve difficult and engaging problems, and constantly surprises me with the extent to which it influences all aspects of my everyday life. Studying IT at the University of Sydney provides me with unique opportunities, such as tutoring for the Girls’ Programming Network (GPN) and the NCSS Challenge, to give back to the community and inspire and excite younger students about IT.

What advice would you give to an incoming student who is interested in IT?
You’ll be challenged at every point of your degree — by your friends, your lecturers and tutors. It may take some time to settle in but always remember there is plenty of support available — you just need to ask for it. Keep in mind that everyone wants you to succeed. If you haven’t done IT before, you’ll be brought up to speed. If you already have experience, there’s plenty here to challenge you, from advanced classes to the Talented Student Program (research and development) and special studies programs. As long as you are willing to learn and absorb everything, you will do well!

What sort of career do you hope to have after graduating?
After graduating, I want to solve real-world problems that matter. Whether I decide to pursue a career as a developer, consultant or researcher, I know that I will be well equipped to meet any challenge thrown at me.
HEALTH, MEDICINE AND DENTISTRY

Career pathways

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

Health is one of the fastest-growing sectors in Australia and around the world – doctors, dentists, nurses, pharmacists and health professionals of all kinds are in constant demand. At the University of Sydney we offer the largest range of health degrees of any Australian university, giving you many rewarding career options. Our graduates go on to improve lives, for individuals and families as well as local and global communities.

The University of Sydney is ranked No.1 in Australia for medicine, anatomy and sports-related disciplines*

Most of our courses are accredited by industry bodies and associations**

* QS World University Rankings by Subject 2017
** For more information, visit sydney.edu.au/courses
From every angle
Alongside degrees in medicine, dentistry, pharmacy and nursing, we offer courses in exercise and sports science, diagnostic radiography, exercise physiology, occupational therapy, physiotherapy, speech pathology, and nutrition and dietetics. You can study the human body from head to toe or explore the bigger picture in population health, healthcare management, e-health and health policy.

In the Bachelor of Science (Health) you can access our shared pool of cross-disciplinary majors across arts, science, commerce and design computing. Build additional skills with our on-demand Open Learning Environment and combine your degree with the Bachelor of Advanced Studies to pursue a substantial project and advanced coursework.

Progress and practice
Early on in your course at Sydney you will gain hands-on experience in a range of healthcare settings – from our modern simulation facilities to our clinical schools in urban and rural locations or with our extensive network of industry partners in Australia and overseas. You’ll participate in interdisciplinary practice, learning from experts and academics alongside students from other health disciplines to gain a wide range of invaluable skills, from patient interaction to teamwork, leadership and research methods.

If you’re a high-achieving student with an ATAR (or equivalent) 98+, you may be invited to take part in the Dalyell Scholars program, where you will have access to enrichment and acceleration opportunities such as high achiever programs, mentoring and professional skills development, and a global mobility scholarship.

Cross borders
Studying health at the University of Sydney is a multicultural experience. You will work alongside academics and students from diverse backgrounds. You may have opportunities to study at affiliate institutions in Europe, the United States, South America or Asia, or to learn from international experts in infectious disease, mental health, cardiovascular disease and more. With most of our degrees you will be eligible to apply for professional registration in Australia or in other countries around the world.

Healthy future
The health sector offers excellent opportunities for career progression, flexible work arrangements, innovation and entrepreneurship. You can take your health skills and knowledge to new levels with postgraduate study in areas such as medicine, dentistry, physiotherapy, nursing, speech-language pathology, pharmacy, international public health, sleep medicine and health technology innovation. Our alumni combine finely tuned scientific expertise with the ability to help people in all kinds of settings, from homes, clinics and hospitals to crisis zones around the world. You’ll graduate ready to join them.

“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)
Emergency nurse,
Westmead Hospital
Sample course structure: Bachelor of Applied Science (Physiotherapy)

**Year 1**
- Functional Musculoskeletal Anatomy A and B
- Body Systems: Structure and Function
- Neuroscience
- Health, Behaviour and Society
- Muscle Mechanics and Training
- Foundations of Physiotherapy Practice A and B

**Year 2**
- Motor Control and Learning
- PT in Musculoskeletal Conditions A and B
- Exercise Physiology for Clinicians
- PT in Neurological Conditions A
- PT in Respiratory and Cardiac Conditions A
- Preventative Health Care
- Clinical Practicum A

**Year 3**
- Clinical Practicum B & C
- PT in Neurological Conditions B
- PT in Musculoskeletal Conditions C
- Paediatric Physiotherapy
- Physiotherapy in Multisystem Problems
- PT in Respiratory and Cardiac Conditions B
- Elective*

**Year 4**
- Advanced Professional Practice A and B
- Physiotherapy Practicum D
- Physiotherapy in Sport and Recreation
- Clinical Practicum F
- Physio Practicum E elective*
- Elective*

* Students in the honours program enrol in three specific honours units (A, B and C) in years three and four in lieu of the elective units.

Sample course structure: Bachelor of Science (Health, Human Movement)

**Year 1**
- Health stream: Introduction to Health and Health Care
- Health stream: Society and Health
- Health stream: Human Biology
- Health stream: Psychology
- Human Movement major: Functional Musculoskeletal Anatomy A and B
- Degree core: Calculus 1 and 2
- Degree core: Statistics
- Degree core: Introduction to Linear Algebra

**Year 2**
- Health stream: Research Methods in Health
- Health stream: Innovations in eHealth
- Human Movement major: Body Systems
- Human Movement major: Neuroscience
- Human Movement major: Fundamentals of Movement Science
- Elective: Human Development
- Open Learning Environment: Radiological Anatomy and Pathology of the Chest*

**Year 3**
- Health stream: eHealth for Chronic Disease and Wellness
- Health stream: Evidence Based Health Care
- Health stream: Health in Indigenous Populations
- Health stream: Alcohol and Drug Misuse Rehabilitation
- Human Movement major: Exercise Physiology
- Human Movement major: Motor Control and Learning
- Human Movement major: Biomechanics
- Elective: Disability, Sport and Social Inclusion

* Units are indicative only

“Without my undergraduate degree in physiotherapy I would never have had the opportunity to work in sport. I’ve been really lucky in my career. I went to the FIFA World Cup as head of physiotherapy with the Socceroos, attended the Carling Cup and the FA Cup as head of physiotherapy for Liverpool Football Club (in the UK) and was part of the team that saw the Newcastle Knights get through to the National Rugby League grand-final qualifier.”

**Phil Coles**
Applied Science (Physiotherapy) graduate
Director of Medical Services
San Antonio Spurs (basketball)
Tell us about the Bachelor of Health Sciences

The course is broad in focus, which captured my attention as I could see the benefit of having a wide choice of subjects. I also took a unit in Cambodia as part of the study abroad program.

Many people choose the course as an entry point to other courses, such as physiotherapy and occupational therapy; however, it is possible to major in management.

Why did you choose this degree?

My mum survived cancer but my best mate’s dad did not. They had very different healthcare experiences, which left me curious about the impact that the hospital environment can have on patients, and wanting to help as many people in need as possible.

Management felt like a natural path to follow because of the leadership camps I attended at school and university, as well as helping to run the Police Citizens Youth Club Blue Star leadership program, which fosters leaders in the community.

What advice would you give to an incoming student who is interested in health sciences?

My advice is to keep your options open by choosing a wide range of electives, even if you know you want to specialise in a particular discipline. It’s also possible to do subjects outside health sciences, such as Greek and Roman mythology.

Having this opportunity to study widely was great and helped to clarify my direction.

In your final year it’s worth looking for graduate roles around March and April for the following year. I secured a place in the NSW Graduate Training Program and feel lucky to have my first rotation in the NSW Ministry of Health.

I was mentored by the chief executive of GE Healthcare as part of the health sciences Leadership Mentoring Program, in which healthcare leaders mentor students with leadership potential.

Where do you see yourself in the future?

My goal is to run a hospital within 15 years, and to own one within 20 years.
Law is everywhere and affects everything. The study of law combined with a degree in the humanities, sciences, economics or engineering offers you the freedom to develop your interest in just about anything. The University of Sydney Law School has a 150-year tradition of academic strength and strong ties with the legal profession – our degrees can take you around the world.

**Career pathways**

**Legal:**
- Solicitor
- Barrister
- Magistrate
- Judge

**Non-legal:**
- Diplomacy
- Foreign affairs
- Human rights
- International relations
- Investment banking
- Journalism
- Management consultancy
- Mergers and acquisitions
- Project management
- Public policy

* 2017 QS World University Rankings by Subject for the discipline of law.

“At the University of Sydney Law School we are encouraged to approach problems through a broad and critical lens. I particularly value the opportunity to analyse the law as it stands today, exploring the inconsistencies and contentious issues in our legal system.”

**Elizabeth Sheahan**
Commerce/Laws
Apply knowledge, affect change
With flexible programs covering crime, constitutional law, contracts, banking and finance, media law, social justice and more, you will learn to apply statutory law to real cases. From geopolitics in international law to global warming in environmental law, medicine in tort law and sociology in family law, you will gain sharp social observation skills and a deep sense of ethics and community service. Through studying law you will develop critical thinking and reasoning skills along with sound research, writing and communication skills.

Overseas opportunities
Expand your studies overseas with one of our global partners such as Harvard University in the United States or the Sorbonne in Paris, or take a short course in Nepal, Tokyo or Berlin. You can indulge your inner orator in competitive mooting overseas and be part of a diverse cohort, exposing you to different cultures and legal systems and offering you an international network.

Bright future
Companies in all sectors seek out our graduates for their ability to synthesise complex ideas. Our alumni can be found in every branch of the legal profession. All wigs, gowns and gavels? Nothing could be further from the truth.

Explore your broad interests
As well as learning from legal experts, through our combined degrees you will have access to our shared pool of cross-disciplinary majors and our Open Learning Environment. This means you can explore your interests and aspirations, no matter how broad they may be.

If you’re a high-achieving student with an ATAR (or equivalent) 98+, you may be invited to take part in the Dalyell Scholars program, where you will have access to enrichment and acceleration opportunities such as high achiever programs, mentoring and professional skills development, an option to accelerate to master’s level and a global mobility scholarship.

“For me, the best part of my experience so far has been meeting people who share a desire to achieve, learn and share their unique talents and backgrounds.”

Ben John
Arts/Laws

Global Studies and Media Studies majors are available in the Arts component of a Combined Law degree.
“Over the last four years I have really come to appreciate access to education at a world-class institution. Coming into contact with bright students, knowledgeable teachers and endless resources to learn more about my areas of interest is really a blessing. The offshore opportunities available to Sydney Uni students are fantastic. I’ve had the opportunity to study for a semester abroad in Madrid for the arts component of my degree and soon I will also have the opportunity to complete a law unit in Japan.

After graduation I see myself either combining my language and law studies in humanitarian work or pursuing a career in language interpreting for an international organisation. I recently had the opportunity to speak at the United Nations headquarters in New York, and I would love to further my involvement with the UN.

The advice I would give to future law students is follow your instincts and take every opportunity you are given. You don’t have to fit into the mould.”
“I often think in music,” physicist Albert Einstein said. “I see my life in terms of music.” At the Sydney Conservatorium of Music, one of the most prestigious music schools in the Asia-Pacific region, music is our life. We’ve been at the heart of Sydney’s cultural history for more than a century. Your musical future looks bright.

Career pathways
- Accompanist
- Arts administrator
- Chamber/orchestral musician
- Composer
- Concert soloist
- Conductor
- Contemporary or jazz musician
- Digital music producer
- Festival or venue manager
- Music journalist
- Music researcher
- Opera singer
- NSW accredited classroom music teacher
- Private studio teacher

Our teachers are leaders in their fields and we’re a popular destination for international musicians

We offer world-class musical facilities and we’re just a stroll from Sydney Opera House
Skills and style
Studying music is rich and rewarding. You’ll expand your creative thinking, hone your analytical and listening skills, and expand your music tastes. Music is both a personal and communal process: at the Conservatorium we encourage individual style as well as developing the leadership skills essential to a musical ensemble. You’ll also have the opportunity to participate in masterclasses and learn from international visitors.

Cross-disciplinary combinations
Our undergraduate degrees in composition, performance, contemporary music and music education allow you to combine your music studies with a range of other subjects from across the University.

Possibilities aplenty
Whether you’re pursuing a passion or a professional career, our flexible courses allow you to focus on one area of expertise or take up all kinds of options to cultivate your creativity. You can study musicology, conducting, composition, instruments (piano, organ, strings, brass, woodwind, percussion and voice) and styles from classical to jazz, contemporary and digital music and media.

Studying at the Conservatorium will help define your career and shape you as a person. We believe music is not only valuable but essential – it is part of what makes us human.

“I found it a really supportive environment at the Con and one that nurtures talent amazingly well. My biggest piece of advice is always just practice as much as you can, because once you’re out in the real world you don’t have time anymore! I enjoyed performing with a range of amazing musicians – instrumentalists the likes of which I hadn’t really been exposed to before.”

Claire Edwardes
Music graduate
Professional Percussionist
Artistic Director, Ensemble Offspring
SCIENCE, AGRICULTURE, ENVIRONMENT AND VETERINARY SCIENCE

Career pathways
- Agricultural scientist
- Astronomer
- Biosecurity researcher
- Ecologist
- Environmental policymaker
- Food chemistry analyst
- Hydrologist
- Mathematician
- Medical scientist
- Nanoscientist
- Nutritionist
- Psychologist
- Plant geneticist
- Soil scientist
- Veterinarian

At the University of Sydney we’ve united our expertise in science, agriculture, environment and veterinary sciences to offer you the broadest possible choice. Alongside biology, chemistry and physics, we have new courses in nanoscience, food science, data science, applied medical sciences, life sciences and health.

“I love being able to look down a microscope into a completely different world — one that is invisible, yet has a massive impact on our lives. Don’t come into university with a rigid mindset; instead allow yourself to discover and seek the path of learning that is most interesting to you.”

Liam Ferguson
Science (majoring in microbiology)
Think big
When you study science, you join a long tradition of inquiry and discovery from Linnaeus and Galileo to Marie Curie and Stephen Hawking. The scientific method inspires curiosity, cultivates a love for learning and fosters strong problem-solving skills.

If you are a high-achieving student with an ATAR (or equivalent) of 98+, you may be invited to take part in the Dalyell Scholars program. It gives you access to enrichment units of study, high achiever programs, mentoring and professional skills and development opportunities, as well as a global mobility scholarship to extend your learning across borders.

Why science matters
Science is behind rapid advancements in technology and holds the key to environmental challenges. Studying science at Sydney can take you from the nanoscale to the cosmic, the soil to the stars, through biological, chemical and physical processes to understanding disease in people, animals and plants and how to prevent it.

All subjects under the sun
Studying science opens doors to other disciplines such as music, history and languages, all of which you can study along with science by combining your degree with the new Bachelor of Advanced Studies. Take on the challenge of advanced coursework, a second major from our shared pool and a community, professional, research or entrepreneurial project. Through science subjects including anatomy and histology, geography, geology and geophysics, mathematics, psychology, pharmacology, plant and soil science and statistics, you will gain broad and deep knowledge, fine-tuned laboratory skills and opportunities to conduct postgraduate research.

Our on-demand Open Learning Environment enables you to build the skills you need, when you need them, through a suite of flexible modular courses.

Stand-out research centres
You can study in some of the world’s best scientific facilities, including the Sydney Nanoscience Hub; the Charles Perkins Centre with its focus on obesity, diabetes, cardiovascular disease and related conditions; the Westmead medical precinct; or our Veterinary Hospital and Clinic or Plant Breeding Institute.

Science improves and saves millions of lives.

“I particularly enjoy the passion of my fellow students and lecturers. This is especially the case for people working in the space sector, where everyone has such a drive to achieve great things.”

Joshua
Critchley-Marrs
Engineering/Science
(majoring in physics and mathematics)
Why did you choose the Bachelor of Science? My love for the creativity and challenge of mathematics was passed down from my father, who also studied maths at university.

My first experience of the University of Sydney was in Years 9 and 10, when I was selected for the Science Gifted and Talented Discovery Program for high school students. I really enjoyed the program and the people I met here, plus I was impressed by the grounds of the University. When I was in Year 12, I put the University of Sydney down as my first preference because of the science Talented Student Program (now the Dalyell Scholars program).

What do you find most interesting about your degree? I love learning concepts that have been built upon for generations, and being astounded by the genius behind them. I am also constantly challenged by mathematics, and I find this both engaging and rewarding.

What advice would you give to an incoming student who is interested in mathematics? Put in a consistent amount of work week to week, and make an effort to engage with the mathematics course material thoroughly. With mathematics particularly, each topic tends to build upon the topic beforehand, and fields hardly ever stand independently.

I also encourage you to be involved in the Dalyell Scholars program and Special Studies Program if you have the opportunity, and to sign up for summer research programs.

What sort of career do you hope to have after graduating? I would like to complete a PhD, and eventually continue into research and lecturing at university. I am open to other ideas if they pop up along the way, but I’d definitely like to remain in an area that I can apply maths to every day.
Sample course structure: Bachelor of Science/ Bachelor of Advanced Studies (Food Science Honours, Marketing)

Year 1
- Food Science major: Human Biology
- Food Science major: From Molecules to Ecosystems
- Marketing major: Marketing Principles
- Marketing major: Marketing Research
- Degree core: Calculus 1 and 2
- Degree core: Statistics
- Degree core: Linear Algebra
- Electives: Chemistry 1A and 1B

Year 2
- Food Science major: Foundations of Food Science
- Food Science major: Metabolic Biochemistry
- Marketing major: Consumer Behaviour
- Marketing major: Marketing Insights
- Elective: Protein Biochemistry
- Elective: Molecular Biology and Genomics
- Open Learning Environment: Cultures of Food (Europe, Asia, Middle East and North Africa)*, The Arab World Today: What Everybody Needs to Know*, Digital Skills for the 21st Century Student* 
- Open Learning Environment: Understanding Europe 1, 2 and 3*

Year 3
- Food Science major: Chemistry and Biochemistry of Foods
- Food Science major: Food Processing and Value Adding
- Food Science major: Food Technology and Biotechnology
- Food Science major: Food Product Development
- Marketing major: Marketing Strategy and Planning
- Marketing major: New Products Marketing
- Marketing major: Marketing in Practice
- Marketing major: Business to Business Marketing

Year 4
- Honours program in Food Science
- Advanced coursework electives: Science Communication and Policy

* Units are indicative only

“I’ve had the opportunity to study subjects from other faculties as well as undertaking malaria research as part of a special studies project. I’ve even seen my own DNA! Being part of this environment has enabled me to form what I’m sure will be lifelong friendships and be taught by professors who are leading their respective fields!”

William Zhou
Science (Advanced)
Sample course structure: Bachelor of Science (Biology, Philosophy)

**Year 1**
- Biology major: Life and Evolution
- Biology major: From Molecules to Ecosystems
- Philosophy major: Reality, Beauty and Ethics
- Philosophy major: Introductory Logic
- Degree core: Calculus 1 and 2
- Degree core: Statistics
- Degree core: Linear Algebra
- Elective: Language, Texts and Time
- Elective: Human Development and Education

**Year 2**
- Biology major: Introduction to Tropical Wildlife Biology
- Biology major: Biology Experimental Design and Analysis
- Philosophy major: How Biology Matters to Philosophy
- Elective: Educational Psychology
- Elective: Comparative Primate Anatomy
- Open Learning Environment: Global Ethics and Futures*
- Open Learning Environment: Participatory Writing in Digital Mode*

**Year 3**
- Biology major: Ecology
- Biology major: Animal Ecological Physiology
- Biology major: Animal Behaviour
- Biology major: Marine Biology
- Philosophy major: Reality, Time and Possibility: Metaphysics
- Philosophy major: Nature and the Machine
- Philosophy major: Practical Ethics
- Philosophy major: Philosophy in Interdisciplinary Contexts*

* Units are indicative only

Sample course structure: Bachelor of Science/Bachelor of Advanced Studies (Mathematical Sciences Honours, Computer Science) Dalyell Scholar

**Year 1**
- Degree Core: Physics 1A & 1B
- Mathematical Sciences program: Calculus 1 and 2
- Mathematical Sciences program: Statistics
- Mathematical Sciences program: Linear Algebra
- Computer Science major: Programming 1 and 2
- Mathematical Sciences program: 1000 level maths
- Dalyell elective: Science Junior Showcase A and B

**Year 2**
- Mathematical Sciences program: Optimisation and Portfolio Analysis
- Mathematical Sciences program: Probability and Estimation Theory
- Mathematical Sciences program: Distributional Theory
- Mathematical Sciences program: 1000 level maths unit
- Computer Science major: Data Structures and Algorithms
- Computer Science major: Algorithmic Design
- Computer Science major: Logic and Formal Languages
- Dalyell elective: Science Dalyell Research Methods

**Year 3**
- Mathematical Sciences program: Financial Derivatives
- Mathematical Sciences program: Time Series and Stochastic Processes
- Mathematical Sciences program: Convex Analysis and Optimal Control
- Computer Science major: Programming Languages and Paradigm
- Dalyell elective: Mentor Junior Showcase
- Open Learning Environment: Business Entrepreneurship*, Understanding Power, Effecting Change*, Enhancing Cultural Competency*
- Open Learning Environment: Promote Programming Literacy with Interactive Media*, STEM Communications*, Understanding Creativity*
- Computer Science major: Distributed System
- Computer Science major: Computer Science Project

**Year 4**
- Honours in Mathematics (Applied)

* Units are indicative only
At the Charles Perkins Centre we are dedicated to easing the global burden of obesity, diabetes, cardiovascular disease and related conditions.
Below you can find out the Australian Tertiary Admission Rank (ATAR) or International Baccalaureate (IB) scores for 2017. These entry scores are a guide and can change from year to year, but this gives you an indication of what you need to gain entry in 2018. You can also find out the indicative entry requirements for our new combined Bachelor of Advanced Studies degrees.

### Architecture and Interaction Design

<table>
<thead>
<tr>
<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>See page</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Architecture and Environments</td>
<td>85/31</td>
<td>3</td>
<td>74</td>
</tr>
<tr>
<td>B Design Computing</td>
<td>80/28</td>
<td>3</td>
<td>79</td>
</tr>
<tr>
<td>B Design Computing/B Advanced Studies</td>
<td>80/28</td>
<td>4</td>
<td>79</td>
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<tr>
<td>B Design in Architecture</td>
<td>95/37</td>
<td>3</td>
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</tr>
<tr>
<td>B Design in Architecture (Honours)/M Architecture</td>
<td>97/39</td>
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### Arts and Social Sciences

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<tr>
<td>B Arts</td>
<td>80/28</td>
<td>3</td>
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<tr>
<td>B Arts/B Advanced Studies</td>
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<td>76</td>
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<tr>
<td>B Arts/B Advanced Studies (Dalyell Scholars including Languages)‡</td>
<td>98/40</td>
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<tr>
<td>B Arts/B Advanced Studies (International and Global Studies)</td>
<td>92/34</td>
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<tr>
<td>B Arts/B Advanced Studies (Media and Communications)</td>
<td>95/37</td>
<td>4</td>
<td>77</td>
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<tr>
<td>B Arts/B Advanced Studies (Politics and International Relations)</td>
<td>95/37</td>
<td>4</td>
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<td>3</td>
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</tr>
<tr>
<td>B Economics/B Advanced Studies</td>
<td>90/33</td>
<td>4</td>
<td>80</td>
</tr>
<tr>
<td>B Economics (Sciences Po Dual Degree)**</td>
<td>A+C</td>
<td>2+2</td>
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<tr>
<td>B Visual Arts</td>
<td>A+C</td>
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<tr>
<td>B Visual Arts/B Advanced Studies</td>
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<tr>
<td>Diploma of Language Studies</td>
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<tr>
<td>Diploma of Social Sciences</td>
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### Engineering and IT

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<tr>
<td>B Advanced Computing/B Commerce</td>
<td>95/37</td>
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<tr>
<td>B Advanced Computing/B Science</td>
<td>90/33</td>
<td>5</td>
<td>75</td>
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<tr>
<td>B Engineering Honours (Dalyell Scholars)‡</td>
<td>98/40</td>
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<tr>
<td>B Engineering Honours (Aeronautical)</td>
<td>90/33</td>
<td>4</td>
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</tr>
<tr>
<td>B Engineering Honours (Biomedical)</td>
<td>90/33</td>
<td>4</td>
<td>82</td>
</tr>
<tr>
<td>B Engineering Honours (Chemical and Biomolecular)</td>
<td>90/33</td>
<td>4</td>
<td>83</td>
</tr>
<tr>
<td>B Engineering Honours (Civil)</td>
<td>90/33</td>
<td>4</td>
<td>83</td>
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<tr>
<td>B Engineering Honours (Electrical)</td>
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<tr>
<td>B Engineering Honours (Flexible First Year)</td>
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<tr>
<td>B Engineering Honours (Mechanical)</td>
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<td>B Engineering Honours (Mechatronic)</td>
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<td>B Engineering Honours (Software)</td>
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<tr>
<td>B Engineering Honours with Space Engineering</td>
<td>99/42</td>
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<tr>
<td>B Engineering Honours/B Arts</td>
<td>90/33</td>
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<tr>
<td>B Engineering Honours/B Commerce</td>
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<tr>
<td>B Engineering Honours (Civil)/B Design in Architecture</td>
<td>95/37</td>
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*B* for ‘Bachelor of’, *M* for ‘Master of’, *D* for ‘Doctor of’
<table>
<thead>
<tr>
<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>See page</th>
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<tbody>
<tr>
<td>B Engineering Honours/B Project Management</td>
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<td>B Engineering Honours/B Science</td>
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<td>B Project Management</td>
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**Health, Medicine and Dentistry**

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<th>ATAR/IB</th>
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<tbody>
<tr>
<td>B Applied Science (Diagnostic Radiography)</td>
<td>95/37</td>
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<tr>
<td>B Applied Science (Exercise and Sport Science)</td>
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<td>B Applied Science (Exercise Physiology)</td>
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<td>B Applied Science (Occupational Therapy)</td>
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<tr>
<td>B Applied Science (Physiotherapy)</td>
<td>99/42</td>
<td>4</td>
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<tr>
<td>B Applied Science (Speech Pathology)</td>
<td>93/35</td>
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<tr>
<td>B Arts/D Medicine*</td>
<td>A+C</td>
<td>7</td>
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<tr>
<td>B Arts/M Nursing</td>
<td>80/28</td>
<td>4</td>
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<td>B Nursing (Advanced Studies)</td>
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<tr>
<td>B Oral Health</td>
<td>A+C</td>
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<tr>
<td>B Pharmacy</td>
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<td>B Pharmacy and Management</td>
<td>90/33</td>
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<tr>
<td>B Science/D Dental Medicine*</td>
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<td>B Science/D Medicine*</td>
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<td>B Science/M Nursing</td>
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<td>B Science (Health)/M Nursing</td>
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**Law**

<table>
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<th>ATAR/IB</th>
<th>Duration in years</th>
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<tbody>
<tr>
<td>B Arts/B Laws</td>
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<tr>
<td>B Commerce/B Laws</td>
<td>99.5/43</td>
<td>5</td>
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</tr>
<tr>
<td>B Economics/B Laws</td>
<td>99.5/43</td>
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<td>B Engineering Honours/B Laws</td>
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<tr>
<td>B Science/B Laws</td>
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**Music**

<table>
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<th>ATAR/IB</th>
<th>Duration in years</th>
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<tbody>
<tr>
<td>B Music</td>
<td>A+C</td>
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<tr>
<td>B Music (Composition)</td>
<td>A+C</td>
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<tr>
<td>B Music (Music Education)^</td>
<td>A+C</td>
<td>4</td>
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<tr>
<td>B Music (Performance)</td>
<td>A+C</td>
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**Science, Agriculture, Environment and Veterinary Science**

<table>
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<th>Course name</th>
<th>ATAR/IB</th>
<th>Duration in years</th>
<th>See page</th>
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<tbody>
<tr>
<td>B Liberal Arts and Science</td>
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<tr>
<td>B Psychology</td>
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<td>87</td>
</tr>
<tr>
<td>B Science</td>
<td>80/28</td>
<td>3</td>
<td>88</td>
</tr>
<tr>
<td>B Science (Health)</td>
<td>80/28</td>
<td>3</td>
<td>88</td>
</tr>
<tr>
<td>B Science (Medical Science)</td>
<td>90/33</td>
<td>3</td>
<td>88</td>
</tr>
<tr>
<td>B Science/B Advanced Studies</td>
<td>80/28</td>
<td>4</td>
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</tr>
<tr>
<td>B Science/B Advanced Studies (Dalyell Scholars including Mathematical Sciences)†</td>
<td>98/40</td>
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<tr>
<td>B Science/B Advanced Studies (Advanced)</td>
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<tr>
<td>B Science/B Advanced Studies (Agriculture)</td>
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<tr>
<td>B Science/B Advanced Studies (Animal and Veterinary Bioscience)</td>
<td>80/28</td>
<td>4</td>
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<tr>
<td>B Science/B Advanced Studies (Food and Agribusiness)</td>
<td>80/28</td>
<td>4</td>
<td>90</td>
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<tr>
<td>B Science/B Advanced Studies (Health)</td>
<td>80/28</td>
<td>4</td>
<td>91</td>
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<tr>
<td>B Science/B Advanced Studies (Medical Science)</td>
<td>90/33</td>
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<tr>
<td>B Science/M Nutrition and Dietetics</td>
<td>97/39</td>
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<tr>
<td>B Veterinary Biology/D Veterinary Medicine</td>
<td>A+C</td>
<td>6</td>
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</tr>
</tbody>
</table>
The shared pool of majors and minors allows you to explore a wide range of study areas within your degree as you acquire multidisciplinary knowledge and critical analytical skills that complement your primary area of study.

The shared pool is available to all students studying the Bachelor of Arts, Bachelor of Commerce, Bachelor of Design Computing, Bachelor of Economics, Bachelor of Science, and Bachelor of Visual Arts, as well as all Bachelor of Advanced Studies degrees.

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

### Architecture and interaction design
- Design

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

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

### Business
- Accounting
- Banking
- Business analytics
- Business information Systems
- Business law
- Finance
- Industrial relations and human resource management
- International business
- Management
- Marketing
Most of the majors listed in the shared pool can also be taken as minors. You also have the opportunity to study minors in Australian Literature, Celtic Studies, Criminology, Diversity Studies, Sanskrit, Social Policy, Writing Studies, Immunology, Pathology, Plant Science, Wildlife Conservation and Virology.
“Intelligence plus character – that is the goal of true education.”

Martin Luther King Jr. (1929 – 1968)
American Baptist minister and activist who was a leader in the Civil Rights Movement
## COURSES A-Z

<table>
<thead>
<tr>
<th>Course description</th>
<th>Majors and minors</th>
<th>Assumed knowledge</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B Advanced Computing</strong></td>
<td>Computer science, computational data science, information systems, software development. A second major or a minor may also be taken from the shared pool.</td>
<td>Mathematics or HSC Mathematics Extension 1</td>
<td>Computer programmer, computer system administrator, consultancy, information services management systems analyst, software engineer, web development and management</td>
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<tr>
<td><strong>B Advanced Computing</strong></td>
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<tr>
<td><strong>ATAR 90</strong></td>
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<tr>
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<td></td>
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<tr>
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</tr>
<tr>
<td><strong>4 years full time</strong></td>
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<tr>
<td><strong>Dalyell by invitation</strong></td>
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<tr>
<td><strong>B Advanced Computing/B Commerce</strong></td>
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<tr>
<td><strong>ATAR 95</strong></td>
<td>Designing the digital world is big business. The combined Bachelor of Advanced Computing and Bachelor of Commerce program 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.</td>
<td>Refer to B Advanced Computing and B Commerce.</td>
<td>Accountant, business systems analyst, computer programmer, computer system administrator, economist, financial specialist, information services management, management consultant, project manager, software engineer, web development and management</td>
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<tr>
<td><strong>IB 37</strong></td>
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<tr>
<td><strong>UAC 513505</strong></td>
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<td><strong>5 years full time</strong></td>
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<td><strong>Dalyell by invitation</strong></td>
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<tr>
<td><strong>B Advanced Computing/B Science</strong></td>
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<tr>
<td><strong>ATAR 90</strong></td>
<td>Redefine the digital and physical landscapes. The combined Bachelor of Advanced Computing and Bachelor of Science program 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.</td>
<td>Refer to B Advanced Computing and B Science.</td>
<td>Computer programmer, consultant, geophysicist, information services management, mathematician, microbiologist, psychologist, science historian, software engineer, systems analyst, web development and management</td>
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<td><strong>IB 33</strong></td>
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<td><strong>Dalyell by invitation</strong></td>
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<tr>
<td><strong>B Advanced Computing/B Science (Health)</strong></td>
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<tr>
<td><strong>ATAR 90</strong></td>
<td>Transform the health industry and beyond. The combined Bachelor of Advanced Computing and Bachelor of Science (Health) program 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.</td>
<td>Refer to B Advanced Computing and B Science (Health).</td>
<td>Computer programmer, consultant, corporate health, disability and ageing management and research, global health research and policy analyst, hospital management, information services management, mental health and safety, software engineer, web development and management</td>
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<td><strong>IB 33</strong></td>
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<tr>
<td><strong>Dalyell by invitation</strong></td>
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<tr>
<td><strong>B Advanced Computing/B Science (Medical Science)</strong></td>
<td>Revolutionise the medical world. The combined Bachelor of Advanced Computing and Bachelor of Science (Medical Science) program 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.</td>
<td>Refer to B Advanced Computing and B Science (Medical Science).</td>
<td>Computer programmer, consultant, doctor (after further study in medicine), geneticist, infectious diseases researcher, information services management, microbiologist, pathologist, software engineer, systems analyst, web development and management</td>
</tr>
<tr>
<td><strong>ATAR 90</strong></td>
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<tr>
<td><strong>Dalyell by invitation</strong></td>
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</tbody>
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**Assumed knowledge**

- Mathematics or HSC Mathematics Extension 1
- Other assumed knowledge depends on Commerce subjects chosen.

**Career possibilities**

- Computer programmer, computer system administrator, consultancy, information services management systems analyst, software engineer, web development and management
- 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
- Computer programmer, consultant, geophysicist, information services management, mathematician, microbiologist, psychologist, science historian, software engineer, systems analyst, web development and management
- Computer programmer, consultant, 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
- Computer programmer, consultant, doctor (after further study in medicine), geneticist, infectious diseases researcher, information services management, microbiologist, pathologist, software engineer, systems analyst, web development and management
<table>
<thead>
<tr>
<th>Course description</th>
<th>Majors and minors</th>
<th>Assumed knowledge</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Applied Science (Diagnostic Radiography)</td>
<td>Learn the skills to create meaningful medical images. In the Bachelor of Applied Science (Diagnostic Radiography) 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.</td>
<td>This degree covers studies in anatomy, biological sciences, equipment and imaging techniques, image processing, pathology, physics, psychology and radiation biology.</td>
<td>Recommended studies: Mathematics plus one of Physics, Biology or Chemistry</td>
</tr>
<tr>
<td>B Applied Science (Exercise and Sport Science)</td>
<td>The Bachelor of Applied Science (Exercise and Sport Science) develops the skills to integrate exercise and physical activity with disease prevention and the promotion of good health, rehabilitation, nutrition and sports performance.</td>
<td>This degree covers studies in anatomy, biochemistry, biomechanics, learning and control of human movement, nutrition, physiology/exercise physiology, and the application of these fundamental sciences to sport, exercise, ageing, public health, rehabilitation and research.</td>
<td>Chemistry and Mathematics</td>
</tr>
<tr>
<td>B Applied Science (Occupational Therapy)</td>
<td>The Bachelor of Applied Science (Occupational Therapy) 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. It teaches you alternative techniques that help them to achieve a given task and facilitate skill improvement.</td>
<td>This degree covers studies in human anatomy, neuroscience, occupational therapy theory and practice, psychology, social sciences.</td>
<td>Recommended studies: Biology</td>
</tr>
<tr>
<td>B Applied Science (Physiotherapy)</td>
<td>The Bachelor of Applied Science (Physiotherapy) will teach you how to assess, diagnose and treat people with movement problems caused by a wide variety of joint, muscle and nerve disorders. You will also learn how to help people avoid injuries and maintain a fit and healthy body.</td>
<td>This degree covers 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.</td>
<td>Recommended studies: Mathematics</td>
</tr>
<tr>
<td>B Applied Science (Speech Pathology)</td>
<td>Accredited by Speech Pathology Australia, the Bachelor of Applied Science (Speech Pathology) prepares you for professional practice as a speech pathologist. You will be involved in the study and treatment of communication and speech disorders in children and adults, including problems with speaking, comprehension, reading, writing, voice problems and stuttering.</td>
<td>This degree covers studies in anatomy, audiology, linguistics and language development, neurobiology, phonetics, psychology, research methods, speech pathology specialist areas (e.g., aphasia, cleft palate, dysarthria, dyslexia, stuttering).</td>
<td>Recommended studies: English (Advanced) and Mathematics</td>
</tr>
<tr>
<td>B Architecture and Environments</td>
<td>The Bachelor of Architecture and Environments provides a uniquely broad overview of the built environment through studies in design and architecture, urban planning, sustainability, heritage, building systems and construction and property.</td>
<td>Core areas of study in architectural and environmental design, architectural history and theory, architectural sciences and technologies, property and sustainability, urban design and planning. University of Sydney School of Architecture, Design and Planning electives may include acoustics, lighting, structures and design computing. Electives may also be taken in other faculties.</td>
<td>English (Advanced) and Mathematics</td>
</tr>
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</table>
### B Arts

<table>
<thead>
<tr>
<th>Course description</th>
<th>Majors and minors</th>
<th>Assumed knowledge</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>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.</strong> Whether you wish 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, this degree will expand your horizons and challenge you to think outside the box.</td>
<td>Agricultural and resource economics; American studies; ancient Greek; ancient history; anthropology; Arabic language and cultures; archaeology; art history; Asian studies; Australian literature (minor only); biblical studies and classical Hebrew; Celtic studies (minor only); Chinese studies; criminology (minor only); cultural studies; digital cultures; diversity studies (minor only); economics; economic policy; English; European studies; film studies; French and francophone studies; gender studies; Germanic studies; Hebrew (modern); history; Indigenous studies; Indonesian studies; international comparative literary studies; international relations; Italian studies; Japanese studies; Jewish civilisation, thought and culture; Korean studies; Latin; linguistics; modern Greek studies; music; philosophy; political economy; politics; psychology (program); Sanskrit (minor only); social policy (minor only); socio-legal studies; sociology; Spanish and Latin American studies; studies in religion; theatre and performance studies; writing studies (minor only).</td>
<td>Depends on Arts subjects chosen. Most subject areas in Arts require no previous knowledge. For Languages program: prior language learning experience is not required but recommended.</td>
<td>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.</td>
</tr>
<tr>
<td><strong>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.</strong> This four-year program 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 Arts degree at the University of Sydney for the remaining two years.</td>
<td><strong>Refer to B Arts for Sydney majors.</strong> For information on studies in France, including units of study, refer to <a href="http://sydney.edu.au/arts/international/years_1_2.shtml">sydney.edu.au/arts/international/years_1_2.shtml</a></td>
<td><strong>Refer to B Arts</strong> 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.</td>
<td><strong>Refer to B Arts (Dual Degree, Sciences Po, France)</strong> 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.</td>
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### B Arts (Dual Degree, Sciences Po, France)**

<table>
<thead>
<tr>
<th>Course description</th>
<th>Majors and minors</th>
<th>Assumed knowledge</th>
<th>Career possibilities</th>
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<tbody>
<tr>
<td><strong>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.</strong> This four-year program 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 Arts degree at the University of Sydney for the remaining two years.</td>
<td><strong>Refer to B Arts for Sydney majors.</strong> For information on studies in France, including units of study, refer to <a href="http://sydney.edu.au/arts/international/years_1_2.shtml">sydney.edu.au/arts/international/years_1_2.shtml</a></td>
<td>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.</td>
<td><strong>Refer to B Arts (Dual Degree, Sciences Po, France)</strong> 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.</td>
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</tbody>
</table>
**Course description**

This combined degree 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.

Whether you wish 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, this degree will expand your horizons and challenge you to think outside the box.

In your fourth year you will undertake advanced coursework and a community, industry, research or entrepreneurship project that builds on the skills and knowledge developed in the Bachelor of Arts. You will also complete a second major, creating a study profile that reflects your expertise in a range of disciplines.

**Majors and minors**

Agricultural and resource economics; American studies; ancient Greek; ancient history; anthropology; Arabic language and cultures; archaeology; art history; Asian studies; Australian literature (minor only); biblical studies and classical Hebrew; Celtic studies (minor only); Chinese studies; criminology (minor only); cultural studies; digital cultures; diversity studies (minor only); economics; economic policy; English; European studies; film studies; French and frangophone 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).

A second major must be taken from these options or from the shared pool.

**Assumed knowledge**

Depends on subjects chosen. For language studies: prior language experience is not required but recommended.

**Career possibilities**

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.

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

### B Arts/ B Advanced Studies (Dalyell Scholars including Languages)

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<tr>
<th>ATAR</th>
<th>IB</th>
<th>UAC</th>
<th>4 years full time</th>
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<tbody>
<tr>
<td>80</td>
<td>28</td>
<td>513205</td>
<td>4 years full time</td>
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</table>

As a Dalyell Scholar in the Bachelor of Arts/Bachelor of Advanced Studies, you will gain 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.

Your studies will be complemented by distinctive Dalyell units and a suite of enrichment opportunities. You will also complete a second major and in your final year you will undertake advanced coursework and a substantial project.

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

Refer to B Arts/B Advanced Studies. A second major must also be taken from these options or from the shared pool. You will also complete a research, community, industry or entrepreneurship project in your fourth year.

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

Depends on subjects chosen. For language studies: prior language experience is not required but recommended.

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.

The Bachelor of Arts/Bachelor of Advanced Studies equips you with the breadth and depth of knowledge and the critical analytical skills to pursue an extensive range of established and emerging careers. It prepares you for the jobs of the future.
<table>
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<tr>
<th>Course description</th>
<th>Majors and minors</th>
<th>Assumed knowledge</th>
<th>Career possibilities</th>
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</thead>
<tbody>
<tr>
<td><strong>B Arts/ B Advanced Studies (International and Global Studies)</strong></td>
<td>This stream within the Bachelor of Arts and Bachelor of Advanced Studies gives you a rigorous understanding of the paradoxes and complexities of international relations. A semester abroad at one of our leading partner universities deepens your knowledge and provides first-hand international experience.</td>
<td>Refer to B Arts/ B Advanced Studies.</td>
<td>Human rights advocate, policy adviser, diplomat, foreign correspondent, international business, journalist, parliamentary officer, foreign aid worker, communications consultant, community development program manager, embassy officer, social policy researcher, trade negotiator, consultant</td>
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<td>ATAR: 92</td>
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<td>IB: 54</td>
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<tr>
<td>UAC: 513210</td>
<td>4 years full time</td>
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<tr>
<td>Dalyell by invitation</td>
<td>You will also undertake a second major from a range of disciplines and advanced coursework, and complete a substantial final-year project.</td>
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<tr>
<td><strong>B Arts/ B Advanced Studies (Media and Communications)</strong></td>
<td>This stream of the Bachelor of Arts and Bachelor of Advanced Studies 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 and a scholarly and critical education in media and communications theory and practice.</td>
<td>Refer to B Arts/ B Advanced Studies.</td>
<td>Corporate communications officer, information officer, journalist (print, online, radio, television), market or media researcher, producer, public relations officer, public policy officer</td>
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<td>ATAR: 95</td>
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<td>IB: 37</td>
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<td>UAC: 513215</td>
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<tr>
<td>Dalyell by invitation</td>
<td>You will also undertake a second major from a range of disciplines and advanced coursework, and complete a substantial final-year project.</td>
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<tr>
<td><strong>B Arts/ B Advanced Studies (Politics and International Relations)</strong></td>
<td>This stream of the Bachelor of Arts and Bachelor of Advanced Studies combines the majors in Politics and International Relations with a unique focus on contemporary global issues that shape the world today. You will delve into the inner workings of political institutions and the complex distribution of power at the domestic and international level.</td>
<td>Refer to B Arts/ B Advanced Studies.</td>
<td>Advocate and lobbyist, foreign affairs adviser, government officer, journalist, public policy adviser, diplomat, international trade officer, researcher, mediator, politician, political consultant, international relations officer, public service positions, business and government consultant, aid worker, market researcher, human rights officer</td>
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<td>ATAR: 95</td>
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<td>UAC: 513220</td>
<td>4 years full time</td>
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<tr>
<td>Dalyell by invitation</td>
<td>You will also undertake a second major from a range of disciplines and advanced coursework, and complete a substantial final-year project.</td>
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<tr>
<td><strong>B Arts/B Laws</strong></td>
<td>The most established double-degree combination in Australia, the Bachelor of Arts and Bachelor of Laws will challenge your outlook and give you the skills to think differently about how to find real-world, workable and ethical solutions to contemporary problems and issues.</td>
<td>Refer to B Arts. You may take a global studies or media studies major and may also take a minor or second major from the B Arts or from 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. Final year: Private international law A and seven elective units of study.</td>
<td>Barrister, diplomacy, foreign affairs, human rights, international relations, journalism, judge, magistrate, project management, public policy, solicitor</td>
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<td>IB: 43</td>
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<td>UAC: 513800</td>
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<td>Dalyell by invitation</td>
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<td><strong>B Arts/B Social Work</strong></td>
<td>This five-year program offers the opportunity to combine the professional social work qualification with majors that complement the Bachelor of Social Work, such as sociology and social policy, gender studies or philosophy, offered through the Bachelor of Arts.</td>
<td>Refer to B Arts and B Social Work. You may also take a minor or second major from the B Arts or the shared pool. Social work includes a professional two-year program, including research skills, social policy and social work.</td>
<td>Community development worker/director, social policy analyst, social worker, counsellor, human rights advocate, international aid worker, child and family worker, social justice coordinator</td>
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<td>IB: 28</td>
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<td>UAC: 513275</td>
<td>5 years full time</td>
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<td>Dalyell by invitation</td>
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Assumed, n/a, ^, ‡, *, **: see ‘Table notes’ on page 95
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<tr>
<th>Course description</th>
<th>Majors and minors</th>
<th>Assumed knowledge</th>
<th>Career possibilities</th>
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<tbody>
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<td><strong>B Arts/ D Medicine</strong>&lt;sup&gt;*&lt;/sup&gt;</td>
<td>Refer to B Arts and the course website: sydney.edu.au/courses&lt;br&gt;You may also take a minor or second major from the B Arts or the shared pool. During the Bachelor of Arts you will complete studies in biology, physics and chemistry plus a zero-credit-point subject in medicine.</td>
<td>Refer to B Arts</td>
<td>General practitioner or specialist, surgeon, researcher, pharmaceutical industry, forensic anthropologist, government policy officer, medical journalist, aid worker, management consultant, teaching, medical administration, medical communication</td>
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<td>ATAR A+C (99.95) IB A+C (45)</td>
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<td>UAC 513715&lt;br&gt;7 years full time&lt;br&gt;Dalyell by invitation</td>
<td>With a deeper understanding of the fundamentals that underpin the health profession combined with your study of the arts, you will be better prepared for any career in medicine, from specialisation to research and teaching.</td>
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**B Arts/ M Nursing**<br><br>Make a lasting difference. The combined Bachelor of Arts and Master of Nursing program develops analytical and critical capabilities alongside the skills and expertise you need to become a registered nurse. It opens up a wide range of career opportunities across both clinical and non-clinical settings.<br><br>Majors and minors<br>Refer to B Arts. You may also take a minor from the B Arts or from the shared pool. Focus areas for nursing: acute care, aged care, chronic illness, clinical practice, indigenous health, mental healthcare and management, pharmacology, physiology, professional practice, social and health policy.<br><br>Assumed knowledge<br>Refer to B Arts<br>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<br><br>ATAR 80 IB 28<br>UAC 513740<br>4 years full time<br>Dalyell by invitation<br><br>**B Commerce**<br><br>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.<br><br>Majors and minors<br>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). A second major or a minor may be taken from these options or from the shared pool.<br><br>Assumed knowledge<br>Mathematics. Other assumed knowledge depends on the first-year subjects selected.<br>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<br><br>ATAR 95 IB 57<br>UAC 513300<br>3 years full time<br>Dalyell by invitation<br><br>**B Commerce/ B Advanced Studies**<br><br>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 maths to music – and tailor your studies for a career in a specialised industry.<br><br>Majors and minors<br>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). A second major must be taken from these options or from the shared pool.<br><br>Assumed knowledge<br>Mathematics. Other assumed knowledge depends on the first-year subjects selected.<br>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<br><br>ATAR 95 IB 57<br>UAC 513305<br>4 years full time<br>Dalyell by invitation<br><br>**B Commerce/ B Advanced Studies (Dalyell Scholars)**<br><br>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.<br><br>Majors and minors<br>Refer to B Commerce/B Advanced Studies. As a Dalyell Scholar you will also complete 12 credit points of distinctive Dalyell units. These units will be complemented by enrichment opportunities that you can tailor to your needs. They include accelerated study options, additional senior level units of study from outside your primary discipline, mentoring and professional skill development, and a global mobility experience.<br><br>Assumed knowledge<br>Mathematics. Other assumed knowledge depends on the first-year subjects selected.<br>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<br><br>ATAR 98 IB 40<br>UAC 513310<br>4 years full time
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<tr>
<th>Course description</th>
<th>Majors and minors</th>
<th>Assumed knowledge</th>
<th>Career possibilities</th>
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<td><strong>B Laws</strong>&lt;br&gt;UAC 513800&lt;br&gt;5 years full time&lt;br&gt;Dalyell by invitation</td>
<td>Pursue your interests in business and law through our combined degree program and graduate with a degree that will open doors to excellent career prospects in both fields. You will develop foundational knowledge of law with the commercial, technical and management skills to launch your career as a legal practitioner, or step into the business world where a law degree is highly regarded.</td>
<td>Refer to B Commerce. Units of study for law: First year: Foundations of law, legal research I, torts. Second year: Civil and criminal procedure, contracts, criminal law. Third year: Torts and contracts II, legal research II, public international law, public law. Fourth year: Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property and the legal profession. Final year: Private international law A and seven elective units of study.</td>
<td>Mathematics. Other assumed knowledge depends on the first-year subjects selected. Legal practice in many specialist fields, Criminal defence, prosecution, legal aid, international NGOs, government service, marketer, human resources specialist, entrepreneur, small business owner, project manager, accountant, management consultant, economist, global analyst</td>
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<tr>
<td><strong>B Design Computing</strong>&lt;br&gt;ATAR 80&lt;br&gt;IB 28&lt;br&gt;UAC 513105&lt;br&gt;3 years full time&lt;br&gt;Dalyell by invitation</td>
<td>This is the only undergraduate degree in Australia that will provide you with specialised training for a career in interaction design and creative technologies. 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.</td>
<td>Core areas of study include app design, creative technology, design thinking, graphic design, information architecture, physical computing, sound design, user experience and user-centred design. Core studies are in digital design, interaction design, information visualisation design and human computer experience. Related units may be taken from arts and social sciences, business, engineering, information technology, music and visual arts.</td>
<td>Mathematics&lt;br&gt;Interaction design, user experience design, creative technology, web design, digital production, product design</td>
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<tr>
<td><strong>B Advanced Computing</strong>&lt;br&gt;ATAR 80&lt;br&gt;IB 28&lt;br&gt;UAC 513110&lt;br&gt;4 years full time&lt;br&gt;Dalyell by invitation</td>
<td>This is the only undergraduate degree in Australia that will provide you with specialised training for a career in interaction design and creative technologies. 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.</td>
<td>Core areas of study include app design, creative technology, design thinking, graphic design, information architecture, physical computing, sound design, user experience and user-centred design. Core studies are in digital design, interaction design, information visualisation design and human computer experience. You will also take a major from the shared pool and complete a research, community, industry or entrepreneurship project in your fourth year.</td>
<td>Mathematics&lt;br&gt;Interaction designer, user-experience (UX) designer, creative director, business development, marketing consultant, communications adviser, project manager, design manager, web and multimedia designer, multimedia strategist, creative technologist</td>
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<tr>
<td><strong>B Design in Architecture</strong>&lt;br&gt;ATAR 95&lt;br&gt;IB 37&lt;br&gt;UAC 513115&lt;br&gt;3 years full time&lt;br&gt;Dalyell by invitation</td>
<td>The Bachelor of Design in Architecture is offered by the Faculty of Architecture, Design and Planning, ranked first in Sydney and 15th in the world for Architecture/Built Environment (QS World University Rankings by Subject 2017). This degree introduces you to the rewarding profession of architecture and is your first step to becoming a registered architect.</td>
<td>Core areas of study include architectural design, architectural history and theory, architectural technologies, architecture workshops, environment and sustainability, professional practice and architectural communications. You will have the option of choosing to specialise in one of three streams: allied arts in architecture, urban design and planning, or digital architecture. You will also have the opportunity to take electives from the University of Sydney School of Architecture, Design and Planning as well as from other faculties and schools.</td>
<td>English (Advanced) and Mathematics&lt;br&gt;Architecture, architectural technology, interior and spacial design, urban design, project management, property development</td>
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</table>

A+C, n/a, ^, §, *, **: see 'Table notes' on page 95
### Course description

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.

### Majors and minors

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

You will have the option of choosing to specialise in one of three streams: allied arts in architecture, urban design and planning, or digital architecture. You will also have the opportunity to 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

### Career possibilities

Architect, design manager, academic

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### B Economics

The Bachelor of Economics will give you a comprehensive understanding of the overall context of business and government, and the high-level technical skills to analyse economic and social data and events. It will equip you with key capabilities to develop economic and social policy and to work in fields such as business, banking, financial markets, and consulting in both the private and public sectors.

In your final year, the Bachelor of Advanced Studies will enable you to undertake advanced coursework and a community, industry, research or entrepreneurship project that builds on the skills and knowledge developed in the Bachelor of Economics. You will also complete a second major, creating a study profile that reflects your expertise in a range of disciplines.

### Majors and minors

Economics, econometrics, financial economics, agricultural and resource economics. A minor or second major must be taken from these options, those offered by the University of Sydney Business School (see Bachelor of Commerce on page 78) or from the shared pool.

### Assumed knowledge

Mathematics

### Career possibilities

Business analyst, economic researcher, economist, management consultant, policy adviser, statistical analyst, fund and portfolio manager, project officer, financial adviser, banker

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### B Economics/Dual Degree, Sciences Po, France)**

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-program 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.

### Majors and minors

Refer to B Economics for Sydney majors. For further information on studies in France, including units of study, please refer to sydney.edu.au/arts/international/years_1_2.shtml

### Assumed knowledge

Mathematics

### Career possibilities

Economist, financial analyst, investment analyst, policy analyst, historian, teacher, translator, diplomat, market researcher, publisher, public relations adviser, linguist, writer, librarian, criminologist, aid worker
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<th>Course description</th>
<th>Majors and minors</th>
<th>Assumed knowledge</th>
<th>Career possibilities</th>
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<tbody>
<tr>
<td><strong>B Economics/ B Laws</strong></td>
<td><strong>Courses A-Z</strong></td>
<td><strong>Refer to B Economics. For law:</strong> First year: Foundations of law, legal research I, torts. Second year: Civil and criminal procedure, contracts, criminal law. Third year: Torts and contracts II, legal research II, public international law, public law. Fourth year: Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property and the legal profession. Final year: Private international law A and seven elective units of study.</td>
<td><strong>Mathematics</strong></td>
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<tr>
<td><strong>B Education (Early Childhood)</strong></td>
<td>The Bachelor of Education (Early Childhood) will challenge you and develop your confidence to teach in all aspects of early childhood settings as you gain a professional qualification to teach children from birth up to five years old. It sets the benchmark in early childhood education programs, with compulsory professional experiences and in-depth study of child development and pedagogy.</td>
<td>General units in education and professional studies including child development and learning; early childhood curriculum and teaching; early childhood management, leadership and advocacy; families, community and diversity; study in key learning areas (eg, arts, health and wellbeing, literacy, mathematics, science). The arts and social sciences, business and science faculties offer studies in the humanities, sciences and social sciences.</td>
<td>Depends on units chosen</td>
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<tr>
<td><strong>B Education (Health and Physical Education)</strong></td>
<td>The Bachelor of Education (Health and Physical Education) is a degree with a strong focus on integrating educational theory and practice that will produce teachers equipped with the necessary skills to be leaders of Health and Physical Education.</td>
<td>Health and physical education. Second teaching areas include: Aboriginal studies, biology, business studies, chemistry, commerce, drama, economics, English, geography, history (ancient and modern), languages, and mathematics.</td>
<td>Prerequisite: Band 5 in three HSC subjects, one of which needs to be English (not English as a Second Language)</td>
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<tr>
<td><strong>B Education (Primary)</strong></td>
<td>Inspire our next generation in this professional qualification to teach in a primary school with children aged five to 12 years. The Bachelor of Education (Primary) offers extensive professional experiences at schools throughout the four-year program and mandatory units in Indigenous education, Teaching English to Speakers of Other Languages (TESOL) and Special Education.</td>
<td>General units in child development and learning, education and professional studies, specialist studies in key learning areas: language, arts, mathematics, health and wellbeing, science. The arts and social sciences, business and science faculties offer elective units in the humanities, sciences and social sciences.</td>
<td>Prerequisite: Band 5 in three HSC subjects, one of which needs to be English (not English as a Second Language). Recommended studies for mathematics specialisation: Mathematics or equivalent</td>
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<tr>
<td><strong>B Education (Secondary: Humanities and Social Sciences)/ B Arts</strong></td>
<td>The Bachelor of Education (Secondary: Humanities and Social Sciences) and Bachelor of Arts five-year combined degree will give you a professional qualification to teach in secondary schools in the areas of humanities and social sciences. Covering professional teaching, special education, international education, and information and communications technology, this degree will give you a strong practical and theoretical preparation for teaching. You will take a core program in education, along with intensive study and professional experience in teaching areas. You need to select two teaching areas, and these may include Aboriginal studies, business studies, economics/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.</td>
<td>You will take a core program in education, along with intensive study and professional experience in teaching areas. You need to select two teaching areas, and these may include Aboriginal studies, business studies, economics/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.</td>
<td>Depends on Arts subjects chosen. Most subject areas in Arts require no previous knowledge. For languages: prior language learning experience is not required but recommended.</td>
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<td>Course description</td>
<td>Majors and minors</td>
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<tr>
<td><strong>B Education (Secondary: Mathematics)/ B Science</strong></td>
<td>You will take a core program of study in education along with intensive study and professional experience in teaching areas. A major must be taken in mathematics. A second teaching area can be taken in one of the following: biology, chemistry, earth and environmental science, geography, physics. Graduates intending to teach science at a secondary level need to complete at least one year of study in chemistry or physics during their degree.</td>
<td>Mathematics or HSC Mathematics Extension 1. Other assumed knowledge depends on the areas or units studied.</td>
<td>Secondary teacher in areas including biology, chemistry, earth and environmental science, physics, geography and mathematics, secondary school leadership roles, policy development, corporate training or development</td>
</tr>
<tr>
<td>ATAR 80 IB 28 UAC 515260 5 years full time Dalley by invitation</td>
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<tr>
<td><strong>B Education (Secondary: Science)/ B Science</strong></td>
<td>You will take a core program of study in education, along with intensive study and professional experience in teaching areas. Two teaching areas are selected from the following: biology, chemistry, earth and environmental science, geography, mathematics, physics. A major must be taken in a science teaching area. Graduates intending to teach science at a secondary level need to complete at least 12 credit points of study in both mathematics and chemistry or physics during their degree.</td>
<td>For Bachelor of Science: Mathematics or HSC Mathematics Extension 1. Other assumed knowledge depends on the areas or units studied.</td>
<td>Secondary teacher in areas including mathematics, biology, chemistry, earth and environmental science, physics and geography, secondary school leadership roles, policy development, corporate training or development</td>
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<tr>
<td>ATAR 80 IB 28 UAC 515265 5 years full time Dalley by invitation</td>
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<tr>
<td><strong>B Engineering Honours (Dalyell Scholars)</strong></td>
<td>Lead the next generation of engineering innovation and development. Designed for students who demonstrate outstanding academic ability, the Bachelor of Engineering Honours (Dalyell Scholars) provides access to a suite of enrichment opportunities and distinctive units of study that cultivate a sophisticated understanding of your chosen engineering stream. You will also develop the leadership and management expertise necessary to tackle tomorrow’s challenges.</td>
<td>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. They include accelerated study options, additional senior level units of study from outside your primary discipline, mentoring and professional skill development, and a global mobility experience.</td>
<td>Refer to relevant engineering stream</td>
</tr>
<tr>
<td>ATAR 98 IB 40 UAC 515571 4 years full time</td>
<td></td>
<td>Along with career options from your chosen stream, the valuable insights you gain through your studies as a Dalyell Scholar will open up a range of opportunities across the public and private sectors including in business, banking, consulting, entrepreneurship and project management</td>
<td></td>
</tr>
<tr>
<td><strong>B Engineering Honours (Aeronautical)</strong></td>
<td>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 program will equip you for the aerospace industry’s next evolution.</td>
<td>There are more than 15 engineering majors to choose from. The faculty offers a major in space engineering to high-achieving students. If you have an ATAR of 99 (or equivalent) or above, you may also apply for that major.</td>
<td>HSC Mathematics Extension 1 and Physics</td>
</tr>
<tr>
<td>ATAR 90 IB 53 UAC 515325 4 years full time</td>
<td></td>
<td>Design research and certification in the airline/aerospace industry, general engineering positions, and manufacturing and assembly</td>
<td></td>
</tr>
<tr>
<td><strong>B Engineering Honours (Biomedical)</strong></td>
<td>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.</td>
<td>There are more than 15 engineering majors to choose from. The majors that best align with this stream are chemical engineering, electrical engineering, humanitarian engineering, information technology, mechanical engineering and mechatronic engineering.</td>
<td>HSC Mathematics Extension 1, Physics and/or Chemistry, Recommended studies: Biology</td>
</tr>
<tr>
<td>ATAR 90 IB 53 UAC 515330 4 years full time</td>
<td></td>
<td>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.</td>
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<tr>
<td>Course Description</td>
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<td>Career Possibilities</td>
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<tr>
<td><strong>B Engineering Honours (Chemical and Biomolecular)</strong></td>
<td>There are more than 15 engineering majors to choose from. From these, there are no specific majors aligned with this degree. You may choose additional units of study if you wish to major in a particular area of engineering.</td>
<td>HSC Mathematics Extension 1 and Chemistry</td>
<td>All sectors of the process industries, from primary resource industries through to fine chemicals and sophisticated manufacturing</td>
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<tr>
<td>ATAR: 90</td>
<td>IB: 33</td>
<td>UAC: 513535</td>
<td>4 years full time</td>
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<tr>
<td><strong>B Engineering Honours (Civil)</strong></td>
<td>There are more than 15 engineering majors to choose from. The majors that best align with this stream are construction management, environmental engineering, geotechnical engineering, humanitarian engineering, structures and transport engineering.</td>
<td>HSC Mathematics Extension 1 and Physics</td>
<td>Airport and harbour authorities, banks, construction and mining companies, engineering and infrastructure consultants, municipal councils, project management and public works</td>
</tr>
<tr>
<td>ATAR: 90</td>
<td>IB: 33</td>
<td>UAC: 513540</td>
<td>4 years full time</td>
</tr>
<tr>
<td><strong>B Engineering Honours (Electrical)</strong></td>
<td>There are more than 15 engineering majors to choose from. The majors that best align with this stream are computer engineering, internet of things, power engineering and telecommunications engineering.</td>
<td>HSC Mathematics Extension 1 and Physics</td>
<td>Grid maintenance and stability contractor, industry power supply engineer, power transmission and generating systems engineer, specialised consulting companies and telecommunications</td>
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<td>ATAR: 90</td>
<td>IB: 33</td>
<td>UAC: 513545</td>
<td>4 years full time</td>
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<tr>
<td><strong>B Engineering Honours (Flexible First Year)</strong></td>
<td>There are more than 15 engineering majors to choose from. Information on which majors align best with the different engineering streams can be found under the individual stream information. Students commencing their studies in Flexible First Year will have the opportunity to pursue a major once they have transferred to a stream.</td>
<td>HSC Mathematics Extension 1, Physics and/or Chemistry</td>
<td>Refer to individual engineering streams</td>
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<td>ATAR: 90</td>
<td>IB: 33</td>
<td>UAC: 513550</td>
<td>4 years full time</td>
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<tr>
<td><strong>B Engineering Honours (Mechanical)</strong></td>
<td>There are more than 15 engineering majors to choose from. The majors that best align with this stream are environmental engineering, materials and space engineering.</td>
<td>HSC Mathematics Extension 1 and Physics</td>
<td>Automated facilities, automatic control systems, biomedical implant design, building industry, design of automotive, underwater exploration and space vehicles, environmental pollution control, manufacturing industry, and mineral exploration</td>
</tr>
<tr>
<td>ATAR: 90</td>
<td>IB: 33</td>
<td>UAC: 513555</td>
<td>4 years full time</td>
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<tr>
<td><strong>B Engineering Honours (Mechatronic)</strong></td>
<td>There are more than 15 engineering majors to choose from. The faculty offers a major in space engineering to high-achieving students. If you have an ATAR of 99 (or equivalent) or above, you may also apply for the space engineering major.</td>
<td>HSC Mathematics Extension 1 and Physics</td>
<td>Automatic control systems, product design and development, robotics and automation for advanced manufacturing, and software design and development for real-time computer systems</td>
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<tr>
<td>ATAR: 90</td>
<td>IB: 33</td>
<td>UAC: 513560</td>
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<td><strong>B Engineering Honours (Software)</strong></td>
<td>There are more than 15 engineering majors to choose from. The majors that best align with this stream are computer engineering, power engineering, and telecommunications engineering.</td>
<td>HSC Mathematics Extension 1 and Physics</td>
<td>Artificial intelligence, control systems, database management, information technology, internet programming, language compilers, multimedia and telecommunication software systems, real-time software engineering and reliable biomedical systems</td>
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<tr>
<td><strong>B Engineering Honours with Space Engineering</strong></td>
<td>Students take a major from B Arts and may take a minor or electives from the shared pool in addition to relevant B Engineering Honours stream requirements.</td>
<td>HSC Mathematics Extension 1 and Physics</td>
<td>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.</td>
</tr>
<tr>
<td><strong>B Engineering Honours/ B Arts</strong></td>
<td>Students take a major from B Commerce and may take a minor or electives from the shared pool in addition to relevant B Engineering Honours stream requirements.</td>
<td>HSC Mathematics Extension 1, Physics and/or Chemistry</td>
<td>Refer to relevant B Engineering Honours stream and B Arts</td>
</tr>
<tr>
<td><strong>B Engineering Honours/ B Commerce</strong></td>
<td>Students take a major from B Arts and may take a minor or electives from the shared pool in addition to relevant B Engineering Honours stream requirements.</td>
<td>HSC Mathematics Extension 1, Physics and/or Chemistry</td>
<td>Refer to relevant B Engineering Honours stream and B Commerce</td>
</tr>
<tr>
<td><strong>B Engineering Honours (Civil)/B Design in Architecture</strong></td>
<td>Refer to B Engineering Honours (Civil) and B Design in Architecture.</td>
<td>HSC Mathematics Extension 1 and Physics, For Architecture: English (Advanced)</td>
<td>Airport and harbour authorities, architecture, architectural technology, banks, construction and mining companies, engineering and infrastructure consultants, interior and special design, municipal councils, project management, property development, public works and urban design</td>
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'**B**' for 'Bachelor of', '**M**' for 'Master of' and '**D**' for 'Doctor of'
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<td><strong>B Engineering Honours/ B Project Management</strong></td>
<td>In this combined degree you will develop technical expertise in your chosen engineering stream and complementary project management skills. Along with engineering, you will study core project management subjects including project finance, complex project coordination, analytics, risk management, organisational behaviour and psychology. You can combine any engineering stream with a Bachelor of Project Management.</td>
<td>Refer to the relevant B Engineering Honours stream and B Project Management.</td>
<td>HSC Mathematics Extension 1, Physics and/or Chemistry</td>
</tr>
<tr>
<td><strong>B Engineering Honours/ B Science</strong></td>
<td>This combined degree emphasizes 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.</td>
<td>Students take a major from B Science and may take a minor or electives from the shared pool in addition to relevant B Engineering Honours stream requirements.</td>
<td>HSC Mathematics Extension 1, Physics and/or Chemistry. Other assumed knowledge depends on the science programs or areas studied.</td>
</tr>
<tr>
<td><strong>B Engineering Honours/ B Science (Health)</strong></td>
<td>This combined degree enables you to gain technical expertise in your chosen engineering stream and complementary knowledge in health and healthcare provision. Along with engineering, you will gain a thorough grounding in health and health systems at local, national and global levels. The degree will open up career opportunities across a range of diverse and innovative industries. You can combine any engineering stream with a Bachelor of Science (Health).</td>
<td>Refer to the relevant B Engineering Honours stream and B Science (Health).</td>
<td>HSC Mathematics Extension 1, Physics and/or Chemistry. Other assumed knowledge depends on the science programs or areas studied.</td>
</tr>
<tr>
<td><strong>B Engineering Honours/ B Science (Medical Science)</strong></td>
<td>This five-year combined degree links the core elements of engineering and medical science. The technology-based engineering skills you develop during your studies will be complemented by skills in medical sciences. It forms an ideal base for postgraduate research or graduate studies in medicine or dentistry. You can combine any engineering stream with a Bachelor of Science (Medical Science).</td>
<td>Refer to the relevant B Engineering Honours stream and B Science (Medical Science).</td>
<td>HSC Mathematics Extension 1, Chemistry and either Physics or Biology. Other assumed knowledge depends on the science programs or areas studied.</td>
</tr>
<tr>
<td><strong>B Liberal Arts and Science</strong></td>
<td>With its flexibility and huge choice of majors, the Bachelor of Liberal Arts and Science provides you with a background in both the humanities and the sciences, and gives you useful skills that will make you highly valued by potential employers in jobs across the market. From writing and presenting to thinking ethically and critically, this degree is your preparation for life beyond the classroom.</td>
<td>Refer to B Science and B Arts for major options.</td>
<td>Science media adviser, science historian, science documentary maker, algebraic geometrist, theoretical chemist, mammalian ecologist, human resources manager</td>
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</table>

*ATAR 90
IB 33
UAC 513590
5 years full time
Dalyell by invitation*

*ATAR 90
IB 33
UAC 513595
5 years full time
Dalyell by invitation*
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<tr>
<td>Our new four-year Bachelor of Music degree will interest you if you are seeking a broad musical education. This degree facilitates creative interdisciplinary links within music disciplines as well as with other subject areas throughout the University. It enables you to develop as a musician through the acquisition of an integrated body of knowledge, skills and ways of thinking.</td>
<td>You can choose from the following streams: contemporary music practice, creative music, digital music and media, improvised music. Major: musicology.</td>
<td>HSC Music 1 or equivalent knowledge. For Musicology major: HSC Music 2 or AMEB Level 6 Musicianship or equivalent knowledge</td>
<td>These depend on the program you take and could include: arts administrator, music producer, singer/songwriter, contemporary musician, festival or venue manager, composer, music arranger, sound installation designer, interactive music designer, jazz musician, music journalist, music researcher, event producer.</td>
</tr>
<tr>
<td>Creating new music is a vital part of studies at the Sydney Conservatorium of Music. Our composition and music technology staff are some of Australia’s most gifted and widely recognised composers, working across instrumental and vocal to electronic and electroacoustic music. You will learn all facets of musical composition, and be encouraged to specialise and create more ambitious work, with many opportunities to hear your work performed.</td>
<td>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 undertaken in analysis, composer performance workshop, composition through improvisation, history and culture, and music skills (aural perception, harmony and analysis, music technology and sound recording).</td>
<td>HSC Music 2 or AMEB Level 6 Musicianship or equivalent</td>
<td>Composer, contemporary musician, concert entrepreneur, music teacher</td>
</tr>
<tr>
<td>Music educators train the musicians of tomorrow. The Music Education Unit 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.</td>
<td>Music education, plus instrument or voice or academic study selected from brass, composition, historical performance, jazz studies, musicology, organ, percussion, piano, strings, vocal studies, woodwind. Studies are also undertaken in analysis, history and cultural studies, and music skills (aural perception, harmony and analysis).</td>
<td>HSC Music 2: Prerequisite: Band 5 in three HSC subjects, one of which must be English (not English as a Second Language) or equivalent</td>
<td>Classroom music teacher, private music teacher, conductor, orchestral musician, chamber musician, concert soloist</td>
</tr>
<tr>
<td>The internationally regarded Bachelor of Music (Performance) at the Sydney Conservatorium of Music produces performers of the highest calibre. Students will combine their chosen principal study (instrument, classical voice or jazz) with orchestral studies and chamber music, and core studies such as music skills, analysis, history, culture and pedagogy. You will benefit from one-on-one tuition and make use of the Conservatorium’s state-of-the-art facilities. There are also opportunities for international tours with professional orchestras, bands and ensembles. You will undergo a comprehensive education on your chosen instrument that is designed to push your creative and performative abilities to the next level.</td>
<td>You will take an instrumental study (including jazz or vocal (classical) principal study from brass, early music, jazz performance, percussion, piano, strings, voice (classical), woodwind. In addition, you will complete core studies in music skills and analysis, history, culture, performance, ensemble studies and pedagogy.</td>
<td>HSC Music 2 or equivalent</td>
<td>Concert soloist, contemporary musician, private music teacher, orchestral musician, chamber musician, concert soloist, contemporary musician, arts manager</td>
</tr>
<tr>
<td>Provide high-quality care and change lives. The Bachelor of Nursing (Advanced Studies) develops a comprehensive understanding of professional nursing practice. Combining practical learning with extensive clinical placements, this degree will enable you to apply for registration with the Nursing and Midwifery Board of Australia and launch your career in healthcare.</td>
<td>Focus areas for nursing: acute care, aged care, child and adolescent health, chronic illness, clinical practice, Indigenous health, mental healthcare and management, pharmacology, physiology, primary healthcare, professional practice, social and health policy.</td>
<td>None</td>
<td>Registered nurse with a career in a range of healthcare settings, including emergency, intensive care, mental health, cancer and palliative care, aged care, child and adolescent health, international health, education and research</td>
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'B' for 'Bachelor of', 'M' for 'Master of' and 'D' for 'Doctor of'
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<tbody>
<tr>
<td><strong>B Oral Health</strong></td>
<td>Through practical learning and clinical placements, the Bachelor of Oral Health equips you with the required skills, knowledge and experience to deliver oral health education and promotion, dental hygiene and dental therapy services to patients and communities throughout Australia and New Zealand.</td>
<td>Your studies will include dental hygiene, oral health therapy and oral health promotion.</td>
<td>Recommended studies: Biology and/or Chemistry.</td>
</tr>
<tr>
<td><strong>B Pharmacy</strong></td>
<td>Transform and enrich lives. The Bachelor of Pharmacy develops a comprehensive understanding of how drugs are developed and medications affect the human body. Combining hands-on learning with clinical experience, this program is your first step to becoming a registered pharmacist and playing a vital and rewarding role in healthcare provision.</td>
<td>Completion of a major is not a requirement. Candidates have the option of completing one major, in either industrial pharmacy (consisting of an extended professional placement) or international pharmacy, which provides an opportunity to participate in an international exchange program as part of the requirements of this major.</td>
<td>Mathematics and Chemistry. Recommended studies: Biology or Physics.</td>
</tr>
<tr>
<td><strong>B Pharmacy and Management</strong></td>
<td>The Bachelor of Pharmacy and Management is an innovative five-year degree that teaches a unique combination of pharmacy skills and business knowledge to develop the commercial, clinical and communication skills necessary to thrive in a changing and competitive healthcare landscape.</td>
<td>Completion of a major is not a requirement. Candidates have the option of completing one major in the fifth year, in either industrial pharmacy (consisting of an extended professional placement) or international pharmacy, which provides an opportunity to participate in an international exchange program as part of the requirements of this major.</td>
<td>Mathematics and Chemistry. Recommended studies: Biology or Physics.</td>
</tr>
<tr>
<td><strong>B Project Management</strong></td>
<td>This is unlike any other project management degree in Australia and will provide you with the fundamental project management skills, theories and methods required in today's complex business environment. Subjects include project finance, statistics, analytics, risk management, organisational behaviour and psychology. You can choose a stream from civil engineering science, built environment or software.</td>
<td>Streams available: Built environment stream, civil engineering science stream or software stream. Core subjects include analytics, complex project coordination, organisational behaviour, project finance, project management, psychology, risk management, statistics. You will undertake a capstone project in the final year. Built environment stream units are within the University of Sydney School of Architecture, Design and Planning.</td>
<td>HSC Mathematics Extension 1.</td>
</tr>
<tr>
<td><strong>B Psychology</strong></td>
<td>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.</td>
<td>For Arts stream: psychology and refer to B Arts for the list of available second majors. For science stream major: psychology.</td>
<td>Science stream: Mathematics. Both streams: Other assumed knowledge depends on subjects chosen.</td>
</tr>
</tbody>
</table>
Course description

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

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

Majors and minors

Agroecosystems (program); Anatomy and histology; animal health, disease and welfare; animal production; applied medical science; behavioural sciences; 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 (Dalyell only); mathematics; medicinal chemistry; microbiology; neuroscience; nutrition science; pharmacology; physics; physiology; plant production; plant science (minor only); psychology (program); quantitative life sciences; software development; soil science and hydrology; statistics; virology (minor only); wildlife conservation (minor only).

Assumed knowledge

Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.

Career possibilities

Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, mathematician, medical scientist, nanoscientist, nutritionist, psychologist, plant geneticist, soil scientist

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

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B Science

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<tr>
<td>80</td>
<td>28</td>
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<tr>
<td>UAC 513910</td>
<td>3 years full time</td>
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</tbody>
</table>

Dalyell by invitation

Health is one of Australia’s fastest-growing sectors. Graduates who understand the nature of the health problems and how to design effective healthcare approaches, to serve our increasingly consumer-driven, ageing population, are in high demand.

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

Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.

Health promotion, policymaking, project and case management, consultant, logistics and procurement, work in insurance, business development, marketing and public relations.

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B Science (Medical Science)

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<td>UAC 513925</td>
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Dalyell by invitation

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

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

Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.

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

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Course description

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

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

Majors and minors

Agroecosystems (program); Anatomy and histology; animal health, disease and welfare; animal production; applied medical science; behavioural sciences; 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 (Dalyell only); mathematics; medicinal chemistry; microbiology; neuroscience; nutrition science; pharmacology; physics; physiology; plant production; plant science (minor only); psychology (program); quantitative life sciences; software development; soil science and hydrology; statistics; virology (minor only); wildlife conservation (minor only).

Assumed knowledge

Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.

Career possibilities

Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, mathematician, medical scientist, nanoscientist, nutritionist, psychologist, plant geneticist, soil scientist

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

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B Science

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Dalyell by invitation

Health is one of Australia’s fastest-growing sectors. Graduates who understand the nature of the health problems and how to design effective healthcare approaches, to serve our increasingly consumer-driven, ageing population, are in high demand.

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

Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.

Health promotion, policymaking, project and case management, consultant, logistics and procurement, work in insurance, business development, marketing and public relations.

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B Science (Medical Science)

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</table>

Dalyell by invitation

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

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

Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.

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

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Course description

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

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

Majors and minors

Agroecosystems (program); Anatomy and histology; animal health, disease and welfare; animal production; applied medical science; behavioural sciences; 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 (Dalyell only); mathematics; medicinal chemistry; microbiology; neuroscience; nutrition science; pharmacology; physics; physiology; plant production; plant science (minor only); psychology (program); quantitative life sciences; software development; soil science and hydrology; statistics; virology (minor only); wildlife conservation (minor only).

Assumed knowledge

Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.

Career possibilities

Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, mathematician, medical scientist, nanoscientist, nutritionist, psychologist, plant geneticist, soil scientist

The Bachelor of Science equips you with the breadth and depth of knowledge and the critical analytical skills to pursue an extensive range of established and emerging careers. It prepares you for the jobs of the future.
<table>
<thead>
<tr>
<th>Course description</th>
<th>Majors and minors</th>
<th>Assumed knowledge</th>
<th>Career possibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B Science/ B Advanced Studies</strong></td>
<td>Agroecosystems (program); anatomy and histology; animal health; disease and welfare; animal production; applied medical science; behavioural sciences; 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 (Dalyell only); mathematics; medicinal chemistry; microbiology; nanoscience and nanotechnology (program); neuroscience; nutrition science; pharmacology; physics; physiology; plant production; plant science (minor only); psychology (program); quantitative life sciences; software development; soil science and hydrology; statistics; virology (minor only); wildlife conservation (minor only).</td>
<td>Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.</td>
<td>Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, investment banker, journalist, mathematician, medical scientist, nanoscientist, nutritionist, psychologist, plant geneticist, soil scientist.</td>
</tr>
<tr>
<td><strong>ATAR 80</strong></td>
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<td></td>
<td>The Bachelor of Science/B Bachelor of Advanced Studies equips you with the breadth and depth of knowledge and the critical analytical skills to pursue an extensive range of established and emerging careers. It prepares you for the jobs of the future.</td>
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<td><strong>IB 28</strong></td>
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<td><strong>UAC 513930</strong></td>
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<td><strong>4 years full time</strong></td>
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<td>You will combine studies from a range of disciplines, undertake advanced coursework, and complete a substantial final-year project.</td>
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<tr>
<td><strong>B Science/ B Advanced Studies (Dalyell Scholars including Mathematical Sciences) #</strong></td>
<td>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 analytic skills necessary to navigate today's dynamic world. Your studies throughout the sciences will be complemented by distinctive Dalyell units and enrichment opportunities. You will combine studies from a range of disciplines, undertake advanced coursework and complete a substantial final-year project. Dalyell Scholars have the option of completing a Mathematical Sciences program to combine your interest in mathematics with other areas of science and technology.</td>
<td>Refer to B Science/B Advanced Studies. A second major must also be taken from these options or from the shared pool. You will also complete a research, community, industry or entrepreneurship project in your fourth year. As a Dalyell Scholar, you will undertake 12 credit points of distinctive Dalyell units complemented by a suite of additional enrichment opportunities, including mentoring, professional skill development and a global mobility experience.</td>
<td>Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.</td>
</tr>
<tr>
<td><strong>ATAR 98</strong></td>
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<td>The Bachelor of Science/B Bachelor of Advanced Studies equips you with the breadth and depth of knowledge and the critical analytical skills to pursue an extensive range of established and emerging careers. It prepares you for the jobs of the future.</td>
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<td><strong>IB 40</strong></td>
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<td><strong>UAC 513911</strong></td>
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<td><strong>4 years full time</strong></td>
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</table>

A second major must also be taken from these options or from the shared pool. You will also complete a research, community, industry or entrepreneurship project in your fourth year. Dalyell Scholars have the option of completing a Mathematical Sciences program to combine your interest in mathematics with other areas of science and technology.

Refer to B Science/B Advanced Studies. A second major must also be taken from these options or from the shared pool. You will also complete a research, community, industry or entrepreneurship project in your fourth year. As a Dalyell Scholar, you will undertake 12 credit points of distinctive Dalyell units complemented by a suite of additional enrichment opportunities, including mentoring, professional skill development and a global mobility experience.
<table>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>B Science/ B Advanced Studies (Advanced)</strong></td>
<td>Refer to B Science. Majors with advanced units of study include: anatomy and histology; behavioural sciences; 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; infectious diseases; information systems; marine science; mathematics; medicinal chemistry; microbiology; neuroscience; nutrition science; physics; physiology; plant production; qualitative life sciences; software development; soil science and hydrology; statistics.</td>
<td>Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.</td>
<td>Agricultural scientist, astronomer, biosecurity researcher, ecologist, environmental policymaker, food chemistry analyst, hydrologist, investment banker, journalist, mathematician, medical scientist, nanoscientist, nutritionist, psychologist, plant geneticist, soil scientist, veterinarian (after further study)</td>
</tr>
<tr>
<td><strong>ATAR 95</strong></td>
<td>When doing the Bachelor of Science/Bachelor of Advanced Studies (Advanced) you will combine studies from a range of disciplines, undertake advanced coursework, and complete a substantial final-year project.</td>
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<td><strong>IB 57</strong></td>
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<td><strong>UAC 513955</strong></td>
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<td><strong>4 years full time</strong></td>
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<tr>
<td><strong>Dalyell by invitation</strong></td>
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<tr>
<td><strong>B Science/ B Advanced Studies (Agriculture)</strong></td>
<td>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, a Bachelor of Science and Bachelor of Advanced Studies (Agriculture) will give you highly sought-after skills for a huge range of careers.</td>
<td>Mathematics and Chemistry</td>
<td>Agronomist, sustainable agriculture researcher, plant geneticist, animal reproduction specialist, environmental microbiologist, agricultural journalist, commodities trader, precision soil scientist</td>
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<td><strong>ATAR 80</strong></td>
<td>This stream requires completion of a program in agriculture, including a major in animal production, plant production or soil science and hydrology. A second major must also be taken from those available in B Science or from the shared pool. You will also complete a research, community, industry or entrepreneurship project in your fourth year.</td>
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<td><strong>IB 28</strong></td>
<td>To further your passion for animal biology, the Bachelor of Science and Bachelor of Advanced Studies (Animal and Veterinary Bioscience) will give you fundamental and applied knowledge in animal bioscience.</td>
<td>Mathematics and Chemistry. Recommended studies: Biology</td>
<td>Agricultural scientist, animal health and welfare professional, animal ethicist, animal nutritionist, biosecurity researcher, ecologist, environmental policymaker, geneticist, environmental researcher, ecologist, wildlife population manager, veterinarian (with further study in the Doctor of Veterinary Medicine)</td>
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<tr>
<td><strong>UAC 513940</strong></td>
<td>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.</td>
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<td><strong>4 years full time</strong></td>
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<td><strong>Dalyell by invitation</strong></td>
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<tr>
<td><strong>B Science/ B Advanced Studies (Animal and Veterinary Bioscience)</strong></td>
<td>This stream requires completion of a program in animal and veterinary bioscience, including an animal and veterinary bioscience major. A second major must also be taken from those available in B Science or from the shared pool. You will also complete a research, community, industry or entrepreneurship project in your fourth year.</td>
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<td><strong>ATAR 80</strong></td>
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<td><strong>UAC 513945</strong></td>
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<td><strong>4 years full time</strong></td>
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<td><strong>B Science/ B Advanced Studies (Food and Agribusiness)</strong></td>
<td>The Bachelor of Science and Bachelor of Advanced Studies (Food and Agribusiness) will allow you to capitalise on the huge growth in the Australian food and beverage sector, which is generating demand for a more skilled and capable workforce.</td>
<td>Mathematics, Chemistry. Recommended studies: Biology</td>
<td>Food marketer, food product developer, health promoter, post-harvest researcher, food quality assurance specialist, food biochemist, food logistics manager, agricultural financier</td>
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<td><strong>ATAR 80</strong></td>
<td>You will study both food science and business in this degree, with this combination of disciplines giving you a desirable and distinct set of skills and knowledge.</td>
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<td><strong>IB 28</strong></td>
<td>This stream requires completion of a program in food and agribusiness, including a major in food science and a second major from the shared pool in one of the following: economics, economic policy, agricultural and resource economics, accounting, banking, business analytics, business information systems, commercial law, finance, industrial relations and human resource management, international business, management or marketing. You will also complete a research, community, industry or entrepreneurship project in your fourth year.</td>
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<td><strong>UAC 513950</strong></td>
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<td><strong>4 years full time</strong></td>
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<td><strong>Dalyell by invitation</strong></td>
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Course description | Majors and minors | Assumed knowledge | Career possibilities
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**B Science/ B Advanced Studies (Health)**<br>ATAR 80<br>IB 28<br>UAC 513920<br>4 years full time<br>Dalyell by invitation<br><br>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.
When doing the Bachelor of Science/Bachelor of Advanced Studies (Health), you will combine studies from a range of disciplines, undertake advanced coursework, and complete a substantial final-year project.
This stream requires completion of a major in Health. A second major must also be taken from those available in B Science, in human movement (only available to students enrolled in the health stream) or from the shared pool. You will also complete a research, community, industry or entrepreneurship project in your fourth year.
Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics. For the Human Movement major: Chemistry
Health promotion, policymaking, project and case management, consultant, logistics and procurement, work in insurance, business development, marketing and public relations.

**B Science/ B Advanced Studies (Medical Science)**<br>ATAR 90<br>IB 33<br>UAC 513960<br>4 years full time<br>Dalyell by invitation<br><br>With the rise of personalised medicine, there is predicted to be an increase in jobs available in the broad medical and health sciences. 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.
When doing the Bachelor of Science/Bachelor of Advanced Studies (Medical Science), you will combine studies from a range of disciplines, undertake advanced coursework, and complete a substantial final-year project.
This stream requires completion of a program in medical science, including a medical science major. A second major must also be taken from those available in B Science or from the shared pool. You will also complete a research, community, industry or entrepreneurship project in your fourth year.
Mathematics or HSC Mathematics Extension 1. Chemisty and either Physics or Biology
Medical researcher, pathologist, doctor (with further study), dentist (with further study), histologist, physiologist, microbiologist, biochemist, biomedical device designer, anatomy researcher, infectious diseases researcher, geneticist

**B Science/ B Laws**<br>ATAR 99.5<br>IB 4.5<br>UAC 513800<br>5 years full time<br>Dalyell by invitation<br><br>Many industries need professionals who can understand and translate complex science – and law is one of these. With a Bachelor of Science and Bachelor of Laws, you will graduate with two degrees and a suite of specialist skills that will allow you to carve out a niche in the legal sector. It will prepare you for jobs across patents, intellectual property and even forensics.
Refer to B Science. Please note that the only stream available in this combined degree is the Dalyell stream. Units of study for law: First year: Foundations of law, legal research I. Torts. Second year: Civil and criminal procedure, contracts, criminal law. Third year: Torts and contracts II, legal research II, public international law, public law. Fourth year: Administrative law, corporations law, equity, evidence, federal constitutional law, introduction to property and commercial law, real property and the legal profession. Final year: Private international law A and seven elective units of study.
Mathematics or HSC Mathematics Extension 1. All students undertake some study in mathematics.
Research, education, business, banking and government. Graduates who wish to become legal practitioners complete an accredited program of practical legal training after they have finished the award requirements.

**B Science/ D Dental Medicine**<br>Includes compulsory Dalyell<br>ATAR A+C (99.5)<br>IB A+C (43)<br>UAC 513705<br>7 years full time<br><br>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 the four-year Doctor of Dental Medicine. With a deeper understanding of the scientific fundamentals that underpin dentistry, you will be better prepared for any career path you choose. This program is delivered by the faculties of Science and Dentistry.
Refer to B Science. All students undertake first-year biology and some units of study in mathematics. As a Dalyell Scholar you will also complete 12 credit points of distinctive Dalyell units designed to cultivate high-level graduate attributes, and a suite of additional enrichment opportunities. For the Doctor of Dental Medicine you will study clinical dentistry, life sciences and a research project.
Refer to B Science
Private practice, public service (hospitals, schools, health departments), defence forces, oral health research, academic careers, and a variety of specialisation options upon completion of professional and research experience.
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<tr>
<th>Course</th>
<th>Description</th>
<th>Majors and Minors</th>
<th>Assumed Knowledge</th>
<th>Career Possibilities</th>
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<tbody>
<tr>
<td>B Science/ D Medicine*</td>
<td>This double degree gives you the opportunity to study science before undertaking medicine. This pathway allows school leavers who have achieved exceptional results to commence a three-year undergraduate science degree followed by the four-year Doctor of Medicine (MD). It gives you a deeper understanding of the scientific fundamentals that underpin medicine, so you will be better prepared for any career in medicine, from specialisation to research and teaching. This program is delivered by the Faculty of Science and the University of Sydney Medical School.</td>
<td>You may elect to complete the Medical Science stream or choose from a wide range of majors from across the sciences. Refer to B Science, B Science (Medical Science) and the course website: sydney.edu.au/courses</td>
<td>During the Bachelor of Science you will complete foundational knowledge units for medicine plus a zero-credit-point subject in medicine. In the Doctor of Medicine component, practical experience - including contact with patients and observation of the physical aspects of disease - commences in the first year and continues to the final year.</td>
<td>General practitioner or specialist, surgeon, researcher, pharmaceutical industry, management consultancy, teaching, medical administration, medical communication</td>
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<tr>
<td>B Science/ D Medicine* (for Aboriginal and Torres Strait Islander applicants only)</td>
<td>This double degree gives you the opportunity to study science before undertaking medicine. This pathway allows school leavers who have achieved exceptional results to commence a three-year undergraduate science degree followed by the 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. This program is delivered by the Faculty of Science and the University of Sydney Medical School. This degree is for Aboriginal and Torres Strait Islander applicants only and requires an additional Cadigal Alternative Entry Program application.</td>
<td>You may elect to complete the Medical Science stream or choose from a wide range of majors from across the sciences. Refer to B Science, B Science (Medical Science) and the course website: sydney.edu.au/courses</td>
<td>During the Bachelor of Science you will complete foundational knowledge units for medicine plus a zero-credit-point subject in medicine. In the Doctor of Medicine component, practical experience - including contact with patients and observation of the physical aspects of disease - commences in the first year and continues to the final year.</td>
<td>General practitioner or specialist, surgeon, researcher, pharmaceutical industry, management consultancy, teaching, medical administration, medical communication</td>
</tr>
<tr>
<td>B Science/ M Nursing</td>
<td>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. Refer to B Science. All students must take some units of study in mathematics. Focus areas for nursing: acute care, aged care, child and adolescent health, chronic illness, clinical practice, Indigenous health, mental health care and management, pharmacology, physiology, professional practice, social and health policy.</td>
<td>Refer to B Science. Mathematics or HSC Mathematics Extension 1</td>
<td>Registered nurse in a range of healthcare settings and able to apply your knowledge of science to health issues such as infectious and non-communicable diseases, infection control, climate change, anatomy, pharmacology and research</td>
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<tr>
<td>B Science (Health)/ M Nursing</td>
<td>Pioneer healthcare innovations and transform lives. The Bachelor of Science (Health) and Master of Nursing 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. Refer to B Science (Health). Focus areas for nursing: acute care, aged care, child and adolescent health, chronic illness, clinical practice, Indigenous health, mental health care and management, pharmacology, physiology, professional practice, social and health policy.</td>
<td>Refer to B Science (Health). Mathematics or HSC Mathematics Extension 1</td>
<td>Registered nurse in a range of healthcare settings and you can apply your knowledge of health systems to industries supporting healthcare, including e-health, mental health, industrial relations and management</td>
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<td>B Science/ M Nutrition and Dietetics</td>
<td>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. 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.</td>
<td>For the B Science, You need to complete a program in nutrition and dietetics, including a major in nutrition science. For the M Nutrition and Dietetics, your studies will include clinical nutrition, nutritional science and public health nutrition.</td>
<td>Mathematics, Chemistry and Biology</td>
<td>Dietitian, nutritional researcher, hospital nutritionist, biochemist, food scientist</td>
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<tr>
<td>Course</td>
<td>Course description</td>
<td>Majors and minors</td>
<td>Assumed knowledge</td>
<td>Career possibilities</td>
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<td><strong>B Social Work</strong></td>
<td>The internationally recognised Bachelor of Social Work degree prepares you for employment in a complex, diverse and changing field where your capacity to transfer knowledge and skills across contexts is essential. This degree is accredited with the Australian Association of Social Workers (AASW).</td>
<td>Your studies will include psychology, 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.</td>
<td>Depends on the first-year subjects chosen</td>
<td>Counsellor, community development worker, youth worker, careers adviser</td>
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<tr>
<td><strong>B Veterinary Biology/ D Veterinary Medicine</strong></td>
<td>The Bachelor of Veterinary Biology/Doctor of Veterinary Medicine provides you with both a scientific foundation and specialist clinical and medical experience. With its integrated approach designed for understanding real-world situations, the six-year course will turn you into a global professional at the forefront of modern veterinary medicine.</td>
<td>Your studies will include animal behaviour and welfare science, animal diseases and pathology, animal husbandry, cell biology, clinical and professional practice, pharmacology, veterinary anatomy and physiology, veterinary conservation biology, veterinary medicine, veterinary public health and veterinary surgery.</td>
<td>Chemistry, Mathematics and Physics. Recommended studies: Biology</td>
<td>Veterinarian, veterinary geneticist, small animal veterinarian, livestock veterinarian, equine veterinarian, biosecurity researcher, veterinary cardiologist, public health policymaker</td>
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<td><strong>B Visual Arts</strong></td>
<td>The Bachelor of Visual Arts 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.</td>
<td>A range of specialisations are available. You may also take electives from the Faculty of Arts and Social Sciences, the University of Sydney School of Architecture, Design and Planning, the Sydney Conservatorium of Music and the University of Sydney Business School or a minor or major from the shared pool.</td>
<td>Recommended studies: Visual Arts and Design and Technology</td>
<td>Advertising creative, animator, artist, arts writer, curator, digital artist, educator (with further tertiary qualifications), filmmaker, product designer, painter, exhibition designer, illustrator, sound artist, web and multimedia designer</td>
</tr>
<tr>
<td><strong>B Visual Arts/ B Advanced Studies</strong></td>
<td>This is a combined degree in which you will complete one of the Bachelor of Visual Arts' hands-on studio specialisations and undertake a substantial final-year project. You will also complete a major in a distinct subject area, creating a study profile that reflects your expertise in a range of disciplines.</td>
<td>A range of specialisations are available. You will also take a major from the shared pool and complete a research, community, industry or entrepreneurship project in your fourth year.</td>
<td>Recommended studies: Visual Arts and Design and Technology</td>
<td>Advertising creative, creative director, innovation manager, cultural officer/program manager, curator, arts journalist, film producer/editor, digital producer, educator (with further tertiary qualifications), web and interaction designer, creative director, commercial art director</td>
</tr>
<tr>
<td><strong>Dip of Arts</strong></td>
<td>The Diploma of Arts is designed for candidates who have already completed a bachelor’s degree in a different field. It gives you an academic foundation in the humanities, allowing you to progress to further postgraduate study in your chosen field. An arts qualification is ideal for those who wish to develop personal and professional skills as a basis for employment or as a foundation for postgraduate study.</td>
<td>You will complete one major from the following subject areas: American studies, ancient history, archaeology, art history, Asian studies, Biblical studies and classical Hebrew, cultural studies, digital cultures, English, European studies, film studies, gender studies, history, indigenous studies, international comparative literary studies, Jewish civilisation, thought and culture, linguistics, music, philosophy, studies in religion, theatre and performance studies.</td>
<td>Depends on subjects chosen. For details, see the faculty handbook: sydney.edu.au/ handbooks</td>
<td>A pathway to honours and postgraduate studies in the arts</td>
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<tr>
<td>Course Description</td>
<td>Majors and Minors</td>
<td>Assumed Knowledge</td>
<td>Career Possibilities</td>
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<td>Dip of Language Studies</td>
<td>You will complete one major from the following language subject areas: ancient Greek, Arabic, language and cultures, Chinese studies, French and Francophone studies, Germanic studies, Hebrew (modern), Indonesian studies, Italian studies, Japanese studies, Korean studies, Latin, modern Greek studies, Spanish and Latin American studies.</td>
<td>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.</td>
<td>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.</td>
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<tr>
<td>ATAR n/a</td>
<td><strong>1 year full time</strong></td>
<td><strong>This diploma will ensure that you are confident with language skills and have a strong understanding of the culture and societies in which that language is spoken.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IB n/a</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UAC n/a</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Dip of Social Sciences                     | You will complete one major from the following subject areas: anthropology, international relations, political economy, politics, socio-legal studies, sociology, social policy. | 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                   |
| ATAR n/a                                   | **1 year full time**                                                              |                                                                                   |                                                                                      |
| IB n/a                                     |                                                                                   |                                                                                   |                                                                                      |
| UAC n/a                                    |                                                                                   |                                                                                   |                                                                                      |
Please note that the entry requirements published here are a guide only and are subject to change. Entry requirements vary from year to year and the entry scores shown here will not necessarily result in an offer of a place.

Additional requirements may also apply for some courses. For more information, please visit
- sydney.edu.au/courses

This is not a comprehensive list of high school qualifications accepted by the University. For a full list, visit
- sydney.edu.au/ug-int-qualifications

The programs, majors and minors listed are indicative only and are subject to change. For the most up-to-date list of available options, please visit
- sydney.edu.au/handbooks


Courses listed on the entry table for international students (pages 116 and 117) are offered full time onshore unless specifically indicated.

Key to the table

| A+C | A combination of ATAR (or equivalent score) plus additional selection criteria (eg, portfolio, audition, interview). Check the details for your specific degree using ‘Find a course’ at: sydney.edu.au/courses |
| n/a | Not applicable as an entry score cannot be applied. |
| ^ | Teaching programs: Bachelor of Education (Primary), Bachelor of Education (Health and Physical Education), and Bachelor of Music (Music Education) Students entering these teaching programs need to achieve a minimum of three Band 5s in their NSW HSC, one of which must be English (not English as a Second Language (ESL)). Similar requirements will be applied to the IB and other Australian Year 12 qualifications. For other secondary qualifications, you need to achieve the minimum scores provided as a guide and get good results in English (not ESL). If you also need to meet English proficiency requirements through a test such as IELTS, you need to complete those requirements separately. |

‡ Dalyell Scholars courses (by application) Entry to these Dalyell Scholars courses is by application. Several other courses can be studied through the Dalyell Scholars program by invitation only. For a full list of courses available through the Dalyell Scholars program, see page 9.

* Double degree Medicine and Dentistry Double degree Medicine applicants are expected to have an ATAR of 99.95 (or equivalent scores for other accepted secondary school qualifications) for domestic applicants and a similarly high threshold for international applicants. Check the Medical School website for more information. The double degree Dentistry program is expected to have a minimum ATAR of 99.5 or equivalent for domestic and international applicants.

All Dentistry and Medicine double degree applicants are also required to undertake a double degree Medicine/Dentistry assessment which is comprised of a written assessment and a faculty discussion session. The University will contact eligible applicants for the assessment. Separate requirements apply to Aboriginal and Torres Strait Islander applicants.

Admission criteria and application processes for these courses are subject to change without notice. Check the additional selection criteria on pages 108 and 109 for more information.

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

The Sciences Po program 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 entry requirements, tuition fees and application processes, visit the relevant course page:
- sydney.edu.au/courses

◊ B Nursing Post Registration (Singapore) This course is delivered in Singapore by a 3rd party provider and is not available for full-time study in Australia on a student visa. For more information refer to the Singapore Institute of Management website.
- www.simge.edu.sg
HOW TO APPLY
DOMESTIC STUDENTS
HOW TO APPLY
INFORMATION FOR DOMESTIC STUDENTS*

1. Choose your course
Visit – sydney.edu.au/courses

Admission to the University of Sydney is highly competitive.

You need to meet specific academic requirements before we can make an unconditional offer of admission.

For most undergraduate courses, entry is based on your ATAR (Australian Tertiary Admission Rank) or equivalent.

For some courses, including medicine, music, oral health, visual arts and veterinary science, there may be additional selection criteria, such as an interview, portfolio or performance.

For details, see pages 108 and 109 or visit:
   - sydney.edu.au/ug-entry

2. Check the entry requirements of the course

Prerequisites, assumed knowledge and bridging courses
Some courses have prerequisites. The following courses require three Band 5s in the HSC (or equivalent), including one in English (not ESL – English as a Second Language):
   - Bachelor of Education (Health and Physical Education)
   - Bachelor of Education (Primary)
   - Bachelor of Music (Music Education).

The University is also introducing mathematics course prerequisites for some courses from 2019 to help students thrive in their science, technology, engineering and mathematics-related degrees and prepare them to tackle future career challenges. For more information visit:
   - sydney.edu.au/study/maths

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 73 to 94 for course specific assumed knowledge requirements. If you have not studied these subjects in high school, we offer bridging courses to get you up to speed.
   - sydney.edu.au/ug-bridging
3 Explore your entry options
If you’re not sure you’ll reach the ATAR cut-off for your preferred course, see pages 102 and 103 to find out if you’re eligible to apply to the University through an alternative entry pathway.
− sydney.edu.au/alternative-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, even if you are applying through UAC for your other preferences.

On-time applications are due by 30 September 2017. A late fee applies to applications after this date.

Apply for scholarships
We award more than 500 scholarships to undergraduate students each year, based on academic, personal leadership and equity grounds. See pages 106 and 107.

Most scholarship applications are due by early October 2017, 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

Visit us on Open Day
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.

In 2017, Open Day takes place on Saturday 26 August.
− sydney.edu.au/open-day

* You are a domestic student if you are an Australian or New Zealand citizen (including dual citizens), or an Australian permanent resident or humanitarian visa holder.
“The future belongs to those who believe in the beauty of their dreams.”

Eleanor Roosevelt (1884–1962)
politician, diplomat, activist, first lady
### TIMELINE FOR 2018 ENTRY

<table>
<thead>
<tr>
<th>Month</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>August 2017</strong></td>
<td>Join us on 26 August for Open Day. Visit: sydney.edu.au/open-day</td>
</tr>
<tr>
<td><strong>September 2017</strong></td>
<td>Apply for accommodation. Scholarship applications also open in early September (and close in early October). Check out alternative entry pathways into university in case your ATAR doesn’t quite reach the course cut-off.</td>
</tr>
<tr>
<td><strong>December 2017 – January 2018</strong></td>
<td>Year 12 students receive their high school results and ATAR in mid-December. Info Day Visit: sydney.edu.au/info-day Check the UAC website to confirm the final date by which your main round UAC preferences need to be finalised. Main round offers are made via the UAC website. You need to accept this offer within one week or it may be withdrawn and offered to another applicant in later rounds.</td>
</tr>
<tr>
<td><strong>February 2018</strong></td>
<td>Following the main round, UAC releases further offers in waves throughout February. You may receive one if you submitted your application late, or did not receive an offer in the main round, and your preferred course is not already full. Orientation takes place the week before semester starts – it’s a great way to get to know your faculty, teaching staff and fellow students before classes begin.</td>
</tr>
<tr>
<td><strong>March 2018</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>June 2018</strong></td>
<td>Applications close for the Semester 2 intake. Visit ‘Find a course’ (sydney.edu.au/courses) to see which degrees are open for mid-year entry.</td>
</tr>
<tr>
<td><strong>July – August 2018</strong></td>
<td>Semester 2 begins Some faculties 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.</td>
</tr>
</tbody>
</table>

For the latest information, visit sydney.edu.au/dates
Several alternative entry pathways are available to Year 12 students, and you may be eligible to apply for more than one.

**E12 scheme**

The E12 scheme shifts focus from the ATAR alone – you can show us more about yourself and your enthusiasm for a course of study. E12 is for students who have been financially disadvantaged during their time at school and who have the potential to succeed at the University of Sydney. It offers ATAR concessions for selected courses.

With E12 you could have an early conditional offer, a scholarship and an Apple iPad 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, you need to be:

- studying any required HSC or IB subjects for your selected E12 course and
- supported by your school principal
- currently a domestic student* undertaking the HSC or IB at a NSW high school.

In addition, you need to be either:

- studying at a high school identified by the government as ‘low socio-economic’ in 2017, as at the time of application or
- experiencing financial hardship at the time you apply for E12 (if so, you will need to complete a UAC Educational Access Scheme application as well as your E12 application).

To find out if your school is eligible, visit:

- sydney.edu.au/e12

* E12 is for NSW 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 Dux students and student captains of schools in NSW 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. The University of Sydney’s Educational Access Scheme (EAS) offers more than 600 Broadway places to eligible applicants each year.

Cadigal Alternative Entry
The Cadigal Alternative Entry Program is an access scheme and academic support program for Aboriginal and Torres Strait Islander applicants.

The program aims to encourage greater participation by Aboriginal and Torres Strait Islander students in tertiary education and to support their successful transition to university life.

For more information visit:
− cadigal.sydney.edu.au

Other entry schemes
− Elite Athletes and Performers Scheme
− Mature-Age Entry

For more information on these and other entry pathways to the University of Sydney, visit:
− sydney.edu.au/alternative-pathways
Cadigal Alternative Entry

The Cadigal Alternative Entry Program is an access and support program for Aboriginal and Torres Strait Islander applicants. The program aims to encourage greater participation by Aboriginal and Torres Strait Islander students in tertiary education and to facilitate their successful transition into tertiary study.

If you enter through the Cadigal program, we will automatically reserve you a place in the Cadigal Orientation and Academic Skills workshop run by the Learning Centre and Student Support Services or, for Health Sciences students, the Yooroang Garang Orientation Program.

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, Bachelor of Liberal Arts and Sciences, or Bachelor of Health 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

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 University of Sydney Aboriginal and Torres Strait Islander Accommodation Award is a one-off payment of $7728. You may 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: Queen Mary Building (self catered) or International House (catered). Other residences may be on offer, subject to availability.

You don’t need to apply for the award. If eligible, we’ll contact you in early January 2018 to tell you the details.

Support officers

The Aboriginal and Torres Strait Islander student support team offers you ongoing support from transition to graduation.

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

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 two hours of individual tutoring per unit of study each week during semester. You can have one-on-one private tuition or group sessions.
FEES AND COSTS: DOMESTIC STUDENTS

Tuition fees
Your tuition fees are calculated based on your residency status, your calendar year of study, and the course you are enrolled in.

Tuition fees, your student contribution, and the loan schemes available depend on a number of factors: the type of degree, the course itself, and your citizenship/residency status.

Check the tuition fees for your specific course at
− sydney.edu.au/courses

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

If you are offered a Commonwealth supported place in one of our courses, your tuition fees will be subsidised by the Australian Government. You will pay the remainder, called a ‘student contribution amount’ that is set by the University.

Student contributions are calculated several times a year, at each census date. Legislation requires you to pay your fees, if paying upfront, before the relevant census date for your unit/s of study.

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 contribution amounts are reviewed annually by the University and will increase each year of your period of 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

HECS-HELP

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

Students who prefer not to pay their HECS-HELP loan upfront can repay it when their 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 fees, you should budget for:
− additional course costs. Some costs are significant for faculty-specific materials and textbooks, tools, protective clothing, and equipment.
− the Student Services and Amenities (SSA) fee, which was introduced by the Australian Government to fund services and support programs at universities. Find out more at sydney.edu.au/ssa-fee

For more information about additional costs, visit your faculty’s website at
− sydney.edu.au/faculties

2017 Student contribution bands and ranges

<table>
<thead>
<tr>
<th>Student contribution band</th>
<th>2017 Student contribution range (per EFTSL*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Band 3</td>
<td>Law, dentistry, medicine, veterinary science, accounting, administration, economics, commerce $0 – $10,596</td>
</tr>
<tr>
<td>Band 2</td>
<td>Computing, built environment, other health, allied health, engineering, surveying, agriculture, mathematics, statistics, science $0 – $9050</td>
</tr>
<tr>
<td>Band 1</td>
<td>Humanities, behavioural science, social studies, education, clinical psychology, foreign languages, visual and performing arts, nursing $0 – $6349</td>
</tr>
</tbody>
</table>

* EFTSL is equivalent full-time student load
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. Here are just a few that might be available to you.

For a comprehensive list, visit:
− sydney.edu.au/scholarships

**Sydney Scholars program**

The Sydney Scholars Program offers opportunities for Year 12 students commencing their studies in 2018. Ranging from $6000 to $10,000 in value, they are awarded in durations of one to six years excluding the honours year (combined degrees).

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

For domestic students, if you receive an ATAR of 99.90 or 99.95 you will automatically be awarded a scholarship worth $10,000 annually for the duration of your undergraduate degree.
− sydney.edu.au/scholarships-ssp

**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, Robert Maple Brown Bursary, University of Sydney Bridging Course Scholarship, Bruton Educational Trust scholarship, Rural Sustainability scholarships, Environmental Sustainability scholarships and more.
− sydney.edu.au/scholarships/prospective/equity.shtml

**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 and the Australian Government offer 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 or representing the University 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 SUSF.


Accommodation scholarships

There are a number of accommodation scholarships available for undergraduate students. These include a rental rebate 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:

− australia.gov.au for government scholarship programs
− 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

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 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.

You are eligible to apply if you will be enrolled full time; in receipt of Youth Allowance, Austudy or any other Centrelink benefit; and can demonstrate financial need due to one or more of the following:

− low socio-economic status
− rural or isolated background
− living away from home
− disability.

You can apply online through the UAC website:

− www.uac.edu.au

For advice on how to manage your finances or to apply for financial assistance, get in touch with our Financial Assistance Office.

− sydney.edu.au/financial-assistance
For entry to some of our courses, we consider more than just your marks. We may ask you to submit a portfolio or attend an interview or audition. The following courses have additional requirements.

**Medicine**
If you are finishing high school this year and expect to achieve outstanding results, you may be able to take the Doctor of Medicine (MD) via our Double Degree Medicine pathway.

Entry to the Double Degree Medicine program requires a very high ATAR (expected to be 99.95 or equivalent for domestic students). Potential students also need to perform satisfactorily in an assessment process comprising a written assessment and a faculty discussion session. Please refer to the website for detailed admission information.

To progress into the MD you need to complete the initial bachelor’s degree within three years (or four years with honours or a combined Bachelor of Advanced Studies degree), excluding any authorised periods of suspension, and maintain a credit average in each of the first three years of the degree.

Find out more about eligibility and how to apply:
- sydney.edu.au/medicine/ddmp

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/study/md/admission

**Music**
To apply to study at the Sydney Conservatorium of Music, you will need to submit your university application and an application for an audition and/or interview by 30 September (a fee applies). You may then be invited to an audition and/or interview in late November or early December.
- sydney.edu.au/music

**Arts and social sciences**
**Sciences Po**
Bachelor of Arts and Bachelor of Economics Sciences Po dual degree applicants need to be recent school leavers – transfer applicants are not eligible to apply. In addition to meeting the academic requirements of an accepted year 12 qualification (or equivalent), you need to submit an online application directly to the University, including a personal statement, resume and school reports or transcripts from the last three years. Short-listed applicants will be invited to attend an interview in Sydney or Paris. For more information about entry requirements, tuition fees and application process, refer to the relevant course:
- sydney.edu.au/courses

**Visual Arts**
To apply to study at Sydney College of the Arts, you need to meet the academic requirements of an accepted year 12 qualification (or equivalent) and submit a portfolio of artwork. This needs to include a short statement describing one of the more developed projects in your portfolio. For more information and application timelines, visit:
- sydney.edu.au/sca
Dentistry

Bachelor of Oral Health
Applicants to our Bachelor of Oral Health are assessed according to their performance in three areas:
- satisfactory completion of an admissions test. The admissions test is designed to test mental agility and cognition, personality, moral orientation and decision-making – essential qualities for candidates entering the program
- satisfactory completion of Multiple Mini-Interviews (MMI), a series of short interviews in which applicants move between interview stations
- meeting the minimum Australian Tertiary Admission Rank (ATAR) required for the course, or satisfactory record of previous tertiary study. If you do not have an ATAR or a previous tertiary qualification, but are older than 21, you may be eligible to apply through the Mature-Age Entry Scheme for domestic students.
- sydney.edu.au/dentistry/oral-health

Double Degree Dentistry
We offer a small number of high school leavers who have achieved outstanding results a place in the seven-year Double Degree Dentistry program. Entry requirements are:
- ATAR (expected to be a minimum of 99.5 or equivalent)
- satisfactory performance in an assessment process comprised of a written assessment and a faculty discussion session.

Domestic students need to apply through the Universities Admissions Centre (UAC). International applicants should visit our website for details about how to apply.
- sydney.edu.au/dentistry/dddpp

Education

Literacy and Numeracy Test for Initial Teacher Education (LANTITE)
The requirement to complete government-controlled literacy and numeracy testing applies to all students enrolling in the Bachelor of Education (including combined degrees), except the degree in Early Childhood. For more information, visit the relevant course page:
- sydney.edu.au/courses

Veterinary science
There are additional application requirements for the Bachelor of Veterinary Biology and Doctor of Veterinary Medicine.

In addition to the university application, you need to submit a Commitment to Veterinary Science form, depending on where you live. The closing date is in November 2017.
- sydney.edu.au/vetscience

Separate requirements apply for progression to the Doctor of Veterinary Medicine component of the combined program. See:
- sydney.edu.au/courses/doctor-of-veterinary-medicine
Forward thinking: the Sydney Nanoscience Hub (left) was completed in 2015, with the future in mind. It complements the Physics Building, completed in 1924.
“It’s only those who are persistent and willing to study things deeply who achieve master work.”

Paulo Coelho (1947–)  
lyricist and novelist
HOW TO APPLY INTERNATIONAL STUDENTS
HOW TO APPLY
INFORMATION FOR INTERNATIONAL STUDENTS*

1. Choose your course
Visit – sydney.edu.au/courses

2. Check the entry requirements

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

For most undergraduate courses, entry is based on an ATAR (Australian Tertiary Admission Rank), IB (International Baccalaureate) or the equivalent from your country.

For some courses, including medicine, music, oral health, visual arts and veterinary science, there may be additional selection criteria, such as an interview, portfolio or performance.

For details, see pages 108 and 109 or visit:
- sydney.edu.au/ug-int-entry

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 senior secondary (high school) qualification conducted in English such as an Australian Year 12 qualification, English subjects in secondary qualifications specified by the University or tertiary studies (at least one year of full-time university study) in English at a recognised institution.
- Complete an accepted English proficiency test with results that meet the minimum entry requirements for your course. English language test scores are valid for two years.

For more information please visit:
- sydney.edu.au/ug-int-english

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

Some courses have prerequisites. The following courses require three Band 5s in the HSC (or equivalent), including one in English (not ESL – English as a Second Language):

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

From 2019, mathematics course prerequisites will be introduced to help students thrive in their science, technology, engineering and mathematics-related degrees and prepare them to tackle future career challenges. For more information visit:

- sydney.edu.au/study/maths

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 73 to 94 for course-specific assumed knowledge requirements. If you have not studied these subjects in high school, we offer bridging courses to get you up to speed.

- sydney.edu.au/ug-bridging

Submit your application

If you are completing:

- a current Australian Year 12 secondary school examination in or outside Australia; or
- a current International Baccalaureate (IB) diploma in Australia; or
- a current New Zealand Certificate of Educational Achievement (NCEA) Level 3 qualification

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

- www.uac.edu.au/international

If you’re a Sciences Po applicant you will need to apply directly to the University, 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 now’ button on the course page.

For important information for international students visit:

- sydney.edu.au/student-visas
Below are the Australian Tertiary Admission Rank (ATAR) or International Baccalaureate (IB) entry scores for 2017. These scores are a guide and can change from year to year, but this gives you an indication of what you will need to gain entry in 2018. You can also find out the indicative entry requirements for our new combined Bachelor of Advanced Studies degrees.

### Architecture and Interaction Design
- **Architecture and Environments**: 80/28
- **Design Computing**: 80/28
- **Design Computing/B Advanced Studies**: 80/28
- **Design in Architecture**: 90/33
- **Design in Architecture (Honours)/M Architecture**: 92/34

### Arts and Social Sciences
- **Arts**: 80/28
- **Arts/B Advanced Studies**: 80/28
- **Arts/B Advanced Studies (Dalyell Scholars including Languages)**: 98/40
- **Arts/B Advanced Studies (International and Global Studies)**: 87/31
- **Arts/B Advanced Studies (Media and Communications)**: 90/33
- **Arts (Sciences Po Dual Degree)**: A+C
- **Economics**: 85/31
- **Economics/B Advanced Studies**: 85/31
- **Economics (Sciences Po Dual Degree)**: A+C
- **Visual Arts**: A+C
- **Visual Arts/B Advanced Studies**: A+C

### Business
- **Commerce**: 95/37
- **Commerce/B Advanced Studies**: 95/37
- **Commerce/B Advanced Studies (Dalyell Scholars)**: 98/40

### Education and Social Work
- **Education (Early Childhood)**: 77/27
- **Education (Health and Physical Education)**: 80/28
- **Education (Primary)**: 85/31
- **Education (Secondary: Humanities and Social Sciences)/B Arts**: 80/28
- **Education (Secondary: Mathematics)/B Science**: 80/28
- **Education (Secondary: Science)/B Science**: 80/28
- **Social Work**: 80/28
- **Arts/B Social Work**: 80/28

### Engineering and IT
- **Advanced Computing**: 90/33
- **Advanced Computing/B Commerce**: 95/37
- **Advanced Computing/B Science**: 90/33
- **Engineering Honours (Dalyell Scholars)**: 98/40
- **Engineering Honours (Aeronautical)**: 85/31
- **Engineering Honours (Biomedical)**: 85/31
- **Engineering Honours (Chemical and Biomolecular)**: 85/31
- **Engineering Honours (Civil)**: 85/31
- **Engineering Honours (Electrical)**: 85/31
- **Engineering Honours (Flexible First Year)**: 85/31
- **Engineering Honours (Mechanical)**: 85/31
- **Engineering Honours (Mechatronic)**: 85/31
- **Engineering Honours (Software)**: 85/31
- **Engineering Honours with Space Engineering**: 97/39
- **Engineering Honours/B Arts**: 85/31
- **Engineering Honours/B Commerce**: 95/37
- **Engineering Honours/B Project Management**: 95/37
- **Engineering Honours/B Science**: 85/31
- **Project Management**: 80/28
<table>
<thead>
<tr>
<th>Course</th>
<th>ATAR/IB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health, Medicine and Dentistry</strong></td>
<td></td>
</tr>
<tr>
<td>B Applied Science (Diagnostic Radiography)</td>
<td>92/34</td>
</tr>
<tr>
<td>B Applied Science (Exercise and Sport Science)</td>
<td>80/28</td>
</tr>
<tr>
<td>B Applied Science (Exercise Physiology)</td>
<td>87/31</td>
</tr>
<tr>
<td>B Applied Science (Occupational Therapy)</td>
<td>92/34</td>
</tr>
<tr>
<td>B Applied Science (Physiotherapy)</td>
<td>97/39</td>
</tr>
<tr>
<td>B Applied Science (Speech Pathology)</td>
<td>92/34</td>
</tr>
<tr>
<td>B Arts/M Medicine*</td>
<td>A+C</td>
</tr>
<tr>
<td>B Arts/M Nursing</td>
<td>80/28</td>
</tr>
<tr>
<td>B Nursing (Advanced Studies)</td>
<td>80/28</td>
</tr>
<tr>
<td>B Nursing Post Registration (Singapore)*</td>
<td>n/a</td>
</tr>
<tr>
<td>B Oral Health</td>
<td>A+C (80/28)</td>
</tr>
<tr>
<td>B Pharmacy</td>
<td>85/31</td>
</tr>
<tr>
<td>B Pharmacy and Management</td>
<td>85/31</td>
</tr>
<tr>
<td>B Science/D Dental Medicine*</td>
<td>A+C (99.5/43)</td>
</tr>
<tr>
<td>B Science/D Medicine*</td>
<td>A+C</td>
</tr>
<tr>
<td>B Science/M Nursing</td>
<td>80/28</td>
</tr>
<tr>
<td>B Science (Health)/M Nursing</td>
<td>80/28</td>
</tr>
<tr>
<td><strong>Science, Agriculture, Environment and Veterinary Science</strong></td>
<td></td>
</tr>
<tr>
<td>B Liberal Arts and Science</td>
<td>70/25</td>
</tr>
<tr>
<td>B Psychology</td>
<td>93.5/36</td>
</tr>
<tr>
<td>B Science</td>
<td>80/28</td>
</tr>
<tr>
<td>B Science (Health)</td>
<td>80/28</td>
</tr>
<tr>
<td>B Science (Medical Science)</td>
<td>85/31</td>
</tr>
<tr>
<td>B Science/B Advanced Studies</td>
<td>80/28</td>
</tr>
<tr>
<td>B Science/B Advanced Studies (Dalyell Scholars including Mathematical Sciences)</td>
<td>98/40</td>
</tr>
<tr>
<td>B Science/B Advanced Studies (Advanced)</td>
<td>93/35</td>
</tr>
<tr>
<td>B Science/B Advanced Studies (Agriculture)</td>
<td>80/28</td>
</tr>
<tr>
<td>B Science/B Advanced Studies (Animal and Veterinary Bioscience)</td>
<td>80/28</td>
</tr>
<tr>
<td>B Science/B Advanced Studies (Food and Agribusiness)</td>
<td>80/28</td>
</tr>
<tr>
<td>B Science/B Advanced Studies (Health)</td>
<td>80/28</td>
</tr>
<tr>
<td>B Science/B Advanced Studies (Medical Science)</td>
<td>85/31</td>
</tr>
<tr>
<td>B Science/M Nutrition and Dietetics</td>
<td>95/37</td>
</tr>
<tr>
<td>B Veterinary Biology/D Veterinary Medicine</td>
<td>A+C (92/34)</td>
</tr>
<tr>
<td><strong>Law</strong></td>
<td></td>
</tr>
<tr>
<td>B Arts/B Laws</td>
<td>95.5/37</td>
</tr>
<tr>
<td>B Commerce/B Laws</td>
<td>95.5/37</td>
</tr>
<tr>
<td>B Economics/B Laws</td>
<td>95.5/37</td>
</tr>
<tr>
<td>B Engineering Honours/Bachelors of Laws</td>
<td>95.5/37</td>
</tr>
<tr>
<td>B Science/B Laws</td>
<td>95.5/37</td>
</tr>
<tr>
<td><strong>Music</strong></td>
<td></td>
</tr>
<tr>
<td>B Music</td>
<td>A+C</td>
</tr>
<tr>
<td>B Music (Composition)</td>
<td>A+C</td>
</tr>
<tr>
<td>B Music (Music Education)*</td>
<td>A+C</td>
</tr>
<tr>
<td>B Music (Performance)</td>
<td>A+C</td>
</tr>
</tbody>
</table>

**Table notes**: 
- ‘B’ for ‘Bachelor of’, ‘M’ for ‘Master of’ and ‘D’ for ‘Doctor of’
- A+C, n/a, *, ‡, †, ‡: see ‘Table notes’ on page 95

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FEES AND COSTS: INTERNATIONAL STUDENTS

Tuition fees
The University calculates the tuition fees for international 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. You will be paying higher tuition fees in Years 3 to 6 – for study equivalent to the graduate-entry 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 fees and costs
When you are offered a place to study with us, you will be required to pay a deposit equal to your first semester of tuition fees to secure your place formally and be eligible to apply for a student visa. The total amount will be confirmed in your letter of offer.

You will be required to pay or give evidence of your health insurance (Overseas Student Health Cover) when you accept your offer. This is an Australian Government requirement for student visa holders:
- sydney.edu.au/study/oshc

You should also budget for:
- additional course costs. Some costs are substantial for faculty-specific materials and textbooks, tools, protective clothing, and equipment. For more information, visit your faculty’s website at sydney.edu.au/faculties
- the Student Services and Amenities fee, which was introduced by the Australian Government to fund services and support programs at universities. Find out more at sydney.edu.au/ssa-fee
- an Application Processing Fee of $100 (some students may be eligible for a fee waiver).

For more information about tuition fees, visit sydney.edu.au/study/tuition-fees

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.

Method of payment
There are several ways you can pay the fees that apply to your study. A surcharge of 0.8 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
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
Both schools are offered on a full-fee-paying basis, and offer a wide range of subjects. At the Summer School we teach 150 undergraduate and postgraduate units of study, and at the Winter School we teach 60 units.

**When do they run?**

The teaching periods are timed so they won’t conflict with your studies during the main two semesters of the year.

Summer School units start at various times: some in early December, others in January, with most running for about six weeks.

The Winter School starts in early July and runs for four weeks (until the beginning of Semester 2).

**How to apply**

Applications open in the third week of September for Summer School and the last week of May for Winter School.

You can apply online.

– sydney.edu.au/summer

If you are an international student you will need to send your English-language qualifications, academic transcript and a letter from your home institution stating that it is prepared to credit your units of study.

Our Summer and Winter Schools can help you get ahead on your degree, ease your workload during semester, or make up a failed subject.
Advanced coursework
Advanced coursework is undertaken in the fourth year of the Bachelor of Advanced Studies. This coursework provides you with further experience and knowledge of your field to better prepare you for your career.

Assumed knowledge
For some courses or units of study, we assume you have reached a certain level of knowledge or have passed a relevant subject at Australian Year 12 level – this is called assumed knowledge. It often refers to a Higher School Certificate (HSC) subject. While we generally advise you against taking a unit of study for which you don’t have the assumed knowledge, you are not prevented from enrolling (see also ‘prerequisite’).

Some courses offer bridging courses to bring you up to speed.
– sydney.edu.au/ug-bridging

Learn more about HSC subjects:

Australian Tertiary Admission Rank (ATAR)
The ATAR is a ranking between 0 and 99.95 that is allocated to all students who complete an Australian Year 12 (secondary school) qualification. It is a measure of the student’s overall academic achievement relative to other students who have undertaken an Australian Year 12 qualification. If you have completed another recognised secondary qualification your results will be translated to an ATAR equivalent to determine whether you have met the standard required for admission.

Capstone
This is a substantial, compulsory project that consolidates your learning and demonstrates that you have acquired the necessary skills and knowledge during your studies. You usually complete it during the final year of your course.

Combined degrees
A combined degree allows you to complete degrees from two different faculties side by side. For example, if you complete a combined Arts/Advanced Studies course, you will be awarded a Bachelor of Arts and a Bachelor of Advanced Studies. You can complete two degrees in less time than if you studied the two degrees separately.

Core
Core units of study are compulsory and you need to complete them to be awarded a particular degree.

Credit for previous studies
Students admitted to a course may be granted credit towards that course, based on what they have attained in previous university studies. This 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 course completion requirements. Most units of study are worth six credit points.

Dalyell Scholars
The Dalyell Scholars program is for high-achieving students. You may be invited to enter the Dalyell Scholars program at offer stage, or you may apply to transfer at the end of first year. See page 8 for a description of the program.

Degree
The name for the overall course that you are enrolled in (such as Bachelor of Arts). Also referred to as ‘award course’. Award courses are approved by the University’s Academic Board.

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 an Australian humanitarian visa.
Double degrees
A double degree allows you to 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
An elective is a unit of study 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
Enrolment is the process by which you accept the University’s terms and conditions of being a student and select the units of study for your course.

Graduate-entry degree
This is a bachelor’s (undergraduate) degree that requires you to have completed another undergraduate degree first, as a prerequisite for entry.

Honours
Some degrees may be completed with honours. Honours differs depending on the degree, and usually involves:
- the completion of a large honours 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
An international student is anyone who is not an Australian or New Zealand citizen (or a dual citizen of Australia or New Zealand), a permanent resident of Australia or a holder of an Australian humanitarian visa. To enrol at university, international students need to hold a visa that allows them to study in Australia.

Lecture
A lecture is a formal presentation to a large group of students by a lecturer.

Major
A major is an area of specialisation within a course. Once you have completed the selected major, you will have a deep understanding of that subject area and the ability to focus on, and carry out, further research in that field.

The number of majors you can complete will depend on the undergraduate course in which you are enrolled.

Minor
A minor is a secondary area of specialisation within a course, requiring fewer units of study than a major to be awarded. Once you have completed a minor, you will have a good understanding of that subject area, but with less depth than a major.

Open Learning Environment
The Open Learning Environment provides online modules and workshop-supported courses that you can complete at your own convenience and supplement with workshops and master classes.

Orientation
Orientation sessions held before the start of each semester give you essential and valuable information about services and resources at the University, as well as opportunities to meet students and staff, enjoy social activities and discover the many student organisations and sporting facilities available.

Postgraduate degree
A postgraduate degree is a higher-level degree that you can apply for once you have completed undergraduate study. This can be a graduate certificate, graduate diploma, a master’s degree or a PhD.

Prerequisite
A prerequisite is a specific unit of study that you need to complete before you can take another unit.

Program
A program is an area of specialisation within a course that is larger than a major. It contains a major and often prepares you for a specialist or professional career in that field.

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 July to November.
Stream
A stream is a version of a degree that requires the completion of units of study (often including a program or a major) specified in the relevant course rules, in addition to the core program specified by those rules (eg, Bachelor of Arts/Bachelor of Advanced Studies (Media and Communications)). Streams may have different ATAR requirements to their ‘parent’ degree. Find out more about course rules at − sydney.edu.au/handbooks

Student ID card
Your Student ID card is proof of your enrolment. You can use it to borrow library books, print, get discounts, access buildings and be identified during exam periods.

Tutorial
A tutorial or ‘tute’ is a smaller and less formal learning setting. Students can ask questions and have group discussions.

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 your first degree, usually after finishing high school. It can be a diploma or a bachelor’s degree.

Unit of study
This is an individual subject that you study as part of your degree. It is the smallest stand-alone component of a course that can be recorded on your academic transcript. For information about course rules and unit of study requirements, visit:
− sydney.edu.au/handbooks

Universities Admissions Centre (UAC)
UAC receives and processes applications for admission to undergraduate courses at recognised universities in New South Wales (NSW) and the Australian Capital Territory (ACT).

Most undergraduate students apply through UAC − for more information visit
− sydney.edu.au/study/how-to-apply

1000-level units
1000-level units offer an introduction to a subject area and are designed for students in the first year of study. Assumed knowledge is sometimes recommended.

2000-level units
2000-level units build on previous units and are normally taken in the second year or later after 1000-level courses in the area. They may also be available to students with advanced prior knowledge.

3000-level units
3000-level units are usually taken in third year or later, after 2000-level study in the area. They include the final units for the completion of a major including project units and units that put the subject in an interdisciplinary context. Some may also be available to students with advanced prior knowledge.

4000-level units
4000-level units are advanced courses and are normally taken in the fourth year or later as the final elements of a four-year degree or combined degree. In combined degrees with the Bachelor of Advanced Studies, they are taken after completion of a major in the subject area. They include industry, community, entrepreneurial and research projects, and honours units.
Open Day

Join us on Saturday 26 August 2017 and get immersed in campus life for a day.

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 uni experience.

To learn more, come and see us on Open Day, call our helpline or visit our website:

sydney.edu.au/ask
1800 SYD UNI (1800 793 864)

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