You could take the standard pathway to your ideal career, but why not take one that offers exciting opportunities at every turn?

At UNSW Sydney, we focus on providing outstanding opportunities to our students. We make sure every one of our graduates have both the theory and practical experience they need to make the world a better place.

EVERY FIRST TODAY, SHAPES YOUR TOMORROW.

TOP 50 UNIVERSITY
We are ranked 45th overall.
QS World University Rankings, 2017-2018

5 STARS
UNSW has again been awarded the maximum QS Five Star Plus Rating across teaching, research, employability, facilities and innovation categories.
QS Stars University Ratings, 2017

MOST EMPLOYABLE
UNSW graduates are the most employable students in Australia. Top 100 Graduate Employers Award, GradConnection, 2018

EXPERIENCE MORE WITH UNSW.
YOU’RE IN THE HEART OF THE ACTION

To date we’ve spent over $1.2 billion on infrastructure to bring students the most cutting-edge facilities.

Our state-of-the-art research facilities rub shoulders with great cafes, shops, libraries, interesting clubs, societies and heaps of support services – all made to be accessible and welcoming.

From exhibiting in our UNSW Galleries, to studying in our sustainably designed Tyree Energy Technologies building, or catching a live music gig at the Roundhouse – whatever you’re looking for – UNSW stands out.

UNSW Kensington Campus

The Kensington Campus is a welcoming community of like-minded people in the heart of one of the greatest cities on Earth. With the beaches and the city on your doorstep, and your classes never more than a 15-minute walk away, this is the ideal location to nurture your future.

UNSW Art & Design

Our Art & Design faculty is situated on a purpose built campus in Paddington, central in Sydney’s largest cluster of cultural institutions and creative businesses. The area is bustling with cafes, bars, restaurants and parks, and is within walking distance of the city centre. Plus it’s only 5km from our Kensington Campus. The campus incorporates world-class studios, workshops and production facilities, exhibition spaces and galleries, spaces for collaboration and leading research centres.

UNSW Canberra at ADFA

UNSW Canberra at the Australian Defence Force Academy is a world class facility operating in a military environment. As employees of the Australian Defence Force, undergraduates live and study on a campus packed with the latest technology in the heart of Australia.
Going on exchange shouldn’t be a question of if, but when.

The chance to study abroad as part of your UNSW degree is not just a bonus but an opportunity not to be missed. With so many different ways to incorporate a learning abroad experience into your degree, you really can go global with UNSW. Visit a country that makes your heart sing, trek through unfamiliar terrain, or research your workplace of the future. Pack your bags and a can-do attitude, and all that’s left is to decide on where to go and when.

Broaden your horizons

Exchange is an incredibly enriching experience, both personally and professionally. It gives you insight into a new culture and community while giving you a competitive edge in the international workforce, not to mention it looks great on your resume!

Where will you go?

UNSW offers learning abroad opportunities at over 300 universities in 35 countries. Studying or working in Asia, North America, Europe or South America, at one of the world’s top universities or companies, may take you out of your comfort zone, however the challenges will enable you to develop greater self-awareness, cross cultural competencies, establish global professional networks and make lasting international friendships.

Who is eligible?

All UNSW students who meet the criteria are eligible to apply for exchange and there are even scholarships to help you on your way. Students can go on exchange for a semester or one year. If you enrol in some degrees, such as a Bachelor of International Studies, one year on exchange is built right into your degree.
Arc is run by students, for students. With Arc, you get to do uni your way. With over 300 clubs & societies, sport for every level, endless events, plenty of volunteering opportunities and heaps more, we make sure that your student experience outside the classroom is the best it can be.

**Clubs and Societies**

UNSW boasts over 290 unique Clubs & Societies that cater to every interest and hobby you can possibly imagine. Clubs are a great way to meet cool new people who share your quirks and passions. If you can’t find what you’re looking for you can start up your own!

[arc.unsw.edu.au/clubs](arc.unsw.edu.au/clubs)

**Parties and Events**

Arc promises to excite and delight you all day, every day. You can soak up the sunshine at Spring Festival, ArtswEEK and Foundation Day. By night you can tear up the dancefloor at a legendary session party, or take on trivia. There’s always a great excuse to devour free ice-cream, enjoy the outdoor cinema or take part in UNSW’s legendary Zedtown experience. The newly renovated Roundhouse has now opened its doors, the historic home of student life is back.

[arc.unsw.edu.au/roundhouse](arc.unsw.edu.au/roundhouse)

**Sport**

Arc Sport supports over 30 sports clubs, each catering to every level of athletic prowess. There’s also our intervarsity teams who annually compete for team UNSW glory at Nationals. If you’re looking for something low key, there’s Social Sport every afternoon on campus where the emphasis is on fun and friends.

[arc.unsw.edu.au/sport](arc.unsw.edu.au/sport)

**Volunteering**

You can make a real difference to the UNSW local or global community through Arc’s volunteering opportunities. Whether you’re keen to lend a hand, a pen, or an hour, we’ve got 30 different programs to suit every level of expertise. The personal and professional development you’ll get is an added bonus.

[arc.unsw.edu.au/volunteering](arc.unsw.edu.au/volunteering)

**Wellness**

Between classes, clubs, sport, and social activities, university can become a lot to handle. That’s where we come in, helping teach you to take care of yourself so that you can take care of the rest of the stuff going on in your life. Look out for Arc Wellness popups around campus from chill out zones, yoga classes, exam preparation workshops to puppy rooms and massages. We’re here to help you get through the day.

[arc.unsw.edu.au/wellness](arc.unsw.edu.au/wellness)

**O-Week**

O-Week is Arc’s unforgettable way of celebrating the start of university life. Led by the effervescent Yellow Shirts volunteers, there are campus tours, heaps of activities and seemingly limitless freebies. You can get a taste of every club, check out volunteering opportunities or just hang out and meet your great new squad. Don’t miss out!

[arc.unsw.edu.au/o-week](arc.unsw.edu.au/o-week)

Arc is ‘that’ mate at uni, who knows all about what’s happening where and when. Visit the Arc website [arc.unsw.edu.au](arc.unsw.edu.au) to check out what’s on.
Living on campus is about community, availability and comfort...

Living on campus is a big decision. Whether college or apartment life is for you, you’re leaving one home behind to embrace a new one and taking the first steps towards the rest of your life.

From the moment you put your bags down, you’ll be surrounded by friends you feel like you’ve known forever, a brimming social and study calendar and more amenities than you’ll know what to do with.

Each of UNSW’s six owned and operated colleges offers a unique setting. You’ll be immersed in a truly inclusive and supportive environment that fosters academic excellence and community participation.

Get in the spirit
Social, sporting, cultural and charitable activities are on all year round, bringing people of different backgrounds together and providing the basis of significant, lifelong friendships.

Room for more
Students can choose from single or shared rooms and apartments; fully, partially or self-catered; and there are also off-campus accommodation options.

...it's also about choice

Colleges

The Kensington Colleges
40 week contract
Choosing to live at the Kensington Colleges is choosing to be part of the rich history and tradition of UNSW, while living in a state-of-the-art, modern facility that was redeveloped a few years ago with an investment of $110 million. Made up of three vibrant communities, Basser, Philip Baxter, and Goldstein, as a resident you’ll find a strong sense of community, academic and pastoral support. Find life-long friends at the various inter-college competitions and events.

Fig Tree Hall
40 week contract
One of the most diverse colleges on campus, Fig Tree Hall has students from all across the world living as one community. Fig Tree prides itself on being a multicultural and inclusive college, catering to dietary needs such as vegetarian and halal. The college offers ensuite rooms as well as gender segregated floors, prayer rooms and an alcohol free environment.

UNSW Hall
44 week contract
A steady and good value option giving you the independence and freedom to cook your own meals and clean your room, but still be part of a strong community with lots of events and activities throughout the year. Colombo House is a strong base for international students who come together as a vibrant and thriving community.

Colombo House
52 week contract
A hybrid option giving you the independence and freedom to cook your own meals and clean your room, but still be part of a strong community with lots of events and activities throughout the year. Colombo House is a strong base for international students who come together as a vibrant and thriving community.

Apartments

Barker Street Apartments
52 week contract
Located on campus overlooking the lush Village Green, most apartments are five-bedroom shared living, but there are options for couples and families and accessible rooms.

High Street Apartments
52 week contract
Located across the road from UNSW, the High Street Apartments strikes the perfect balance for students with commitments outside of study. Preference is generally given to couples and families with children.

Mulwarree Apartments
52 week contract
Located next to Randwick Racecourse and approximately 1.5 kilometres from UNSW, Mulwarree is the perfect fit for students that are keen to live close to campus, but not right next to the lecture block!

University Terraces
52 week contract
Stylish, affordable and modern, the Terraces are a self-sufficient style of living. Located on campus in the heart of UNSW, with bars, cafés and a supermarket right at your doorstep.

Affiliated Colleges on Campus
UNSW has lots of other great options right here on campus! Check out the website below and look for the link to ‘Affiliated Colleges’ for more information and how to apply.

FIND YOUR PLACE AT UNSW

Take a virtual tour and compare prices at accommodation.unsw.edu.au, or come and check it out in person.
SCHOLARSHIPS

Every year we provide thousands of scholarships to help students of all circumstances reach their educational goals.

Let us support you!
UNSW scholarships provide financial support for full-time study for the duration of your degree program, so you can make the most of your time as a student here. Along with short-term awards, grants, and other forms of student support, we can help you realise your dreams of studying at Australia’s global university.

Equity Scholarships
Equity scholarships assist students who may experience financial or other educational disadvantage with the costs of tertiary study, and can help you reach your academic potential. There are also scholarship programs available for rural students, Indigenous students, and to assist with the cost of on-campus accommodation. Equity scholarships will usually require an application via UAC.

Merit Scholarships
Merit scholarships recognise students who demonstrate exceptional academic achievements or other outstanding qualities such as elite sporting ability or leadership potential. Scholarships are also available to travel overseas on an exchange program, pursue Honours, or undertake research projects that may help you succeed in your chosen field. Merit scholarships will require an application online and some are awarded automatically based on your Year 12 results.

To be considered for scholarships, all you have to do is submit an application by the deadline.

Search
Visit scholarships.unsw.edu.au and search for scholarships by category. Click on each scholarship program for more info and how to apply.

Register
Register your details online. Don’t forget, if you are a High School student, you will need your UAC number and a non-school email address.

Apply
Complete all of the questions and upload your supporting documents.

Submit
Submit online by the due date. Don’t forget to check the website frequently for application deadlines and updates.
Why Co-op?
1. Connects you with 2800+ Co-op Alumni
2. Life changing personal and professional connections
3. Recruits Australia’s best and brightest
4. Awards $6.5m scholarships every year ($18,200 per scholar p.a.)
5. 150+ partnerships with Australia’s leading companies
6. Combines academic excellence with real work experience
7. Supports global experience representing Australia on the world stage
8. Produces professionals, not just graduates
9. Launches great careers!

As the foremost career development scholarship in Australia, the UNSW Co-op Program offers high achieving high school students leadership and professional development training, networking opportunities, mentoring and financial support of $18,200 per year, for a minimum of 4 years.

Australia’s leading companies take part in the program with the view to recruit high-potential employees. The Co-op Program is offered across select degrees in Business, Engineering, Science and the Built Environment. Candidates for the scholarship are selected not only on the basis of their academic ability, but also their communication, leadership potential, and commitment to the 4 year development program.

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We are looking for Co-op scholars who:
- Are active in their school and/or community
- Show initiative and leadership
- Make a significant contribution to school or community
- Communicate well
- Enjoy working with other people
- Want to be active within the university and Co-op community
- Have a genuine interest in a career in industry or a government enterprise in their chosen program
- Are ambitious and keen to contribute
- Care about what is happening in the community, country and the world at large.

If this sounds like you, and you are an Australian or New Zealand citizen or permanent resident we strongly encourage you to apply.

Meet our current scholars at coop.unsw.edu.au
Applications open May and close on 28 September
Get all your Co-op questions answered at Scholarships Info Evening, 5 June 2018. Register at futurestudents.unsw.edu.au

UNSW CO-OP PROGRAM
HOW TO APPLY

Admission to UNSW is based on academic merit. For most Australian Year 12 students, this is the Australian Tertiary Admissions Rank (ATAR) – a ranking system that provides an overall measure of academic achievement in relation to other students.

Accepted Qualifications
• NSW HSC and Interstate Year 12
• International Baccalaureate
• GCE A-Levels
• NZ NCEA Level 3
Check futurestudents.unsw.edu.au for a list of commonly accepted overseas qualifications as well.

Assumed Knowledge
At UNSW we don’t have formal subject prerequisites for any of our degrees; we have what’s called ‘Assumed Knowledge’. If you haven’t studied the assumed knowledge subjects it won’t stop us from making you an offer for a degree if you are eligible, but you may find yourself struggling in your first year. We strongly recommend bridging courses if you don’t have the assumed knowledge for your degree of interest.

You can find the assumed knowledge for each degree in the following pages or you can find it online at unsw.edu.au/degrees.

Additional selection criteria
Some degrees at UNSW require something in addition to your UAC application. These may be:
• Tests (UMAT, LAT)
• An audition (Music)
• An extra application to UNSW (Aviation, Co-op, Medicine or UNSW Canberra at ADFA).

Check unsw.edu.au/degrees for any additional selection criteria for your degree.

Bridging Courses
UNSW runs bridging courses in chemistry, maths and physics in late January each year. Don’t forget, you don’t have to complete these at UNSW, you can also complete bridging courses at other universities and some TAFE institutions. unsw.edu.au/bridging

YOUR APPLICATION

Quick steps to studying at UNSW

1. All applications for undergraduate study are made via the Universities Admissions Centre (UAC). Head online and read the ‘Applying FAQs’ to ensure you fully understand the process before you get started.

2. Double check all UAC key dates, including on-time application closing dates www.uac.edu.au. Late applications may be accepted, but will incur a late fee, so best to get in early.

3. Lodge your application online at www.uac.edu.au/undergraduate/apply. You can nominate up to five degrees you’d like to study in order of your preference. Don’t forget to lodge your other important applications, e.g. accommodation, scholarships and adjustment factors (more commonly known as bonus points).

4. The majority of offers will be made in the UAC December Round 2 and January Round 1. UNSW will contact you via email with instructions on how to accept and enrol. We look forward to seeing you on campus soon.

Guaranteed Entry
Guaranteed Entry (GE) provides clarity by publishing a GE Selection Rank that assures your entry to UNSW in a particular degree. When considering you for GE we look at your ATAR plus any eligible adjustment factors. You can find the GE Selection Rank for each degree in the following pages or you can check online at unsw.edu.au/degrees. Don’t forget, if you don’t get GE for your degree of choice, it doesn’t mean you’re not going to be made an offer, it means you may need to wait for a subsequent UAC Round to see if you have a place in that degree.

For more information see unsw.edu.au/ge

Deferring
If you want to take a year off to work or see the world, you can apply to accept and defer your studies until the following year. However, we will only hold your place if you don’t enrol at another university or study at Diploma level or higher during that time.
ADJUSTMENT FACTORS

More commonly known as bonus points

UNSW offers a variety of adjustment factors to prospective students. A maximum of 10 points may be used to assist with entry to our degrees.

HSC Plus
HSC Plus rewards students who perform well in Year 12 subjects that are relevant to their preferred UNSW degree. You may be awarded up to five points.

To be eligible you must:
• Be a domestic student (i.e. an Australian citizen or permanent resident or New Zealand citizen).
• Complete an Australian Senior Secondary Certificate (Year 12) in the two years prior to admission to UNSW and receive an ATAR or equivalent.
• Achieve the required performance bands in relevant Year 12 subjects.
• If you have a record of tertiary study, contact Future Students to discuss your eligibility 1300 UNI NSW.

How do I apply?
No application is required for HSC Plus. If you have the required subject results, points will be automatically added to your ATAR (or equivalent) to increase your selection rank for that degree.

To see a list of the degrees included in the HSC Plus scheme and how many points you may be eligible for see unsw.edu.au/hscplus.

Elite Athletes, Performers and Leaders (EAPL)
EAPL recognises achievements in areas of sport, academia, leadership, and/or music at an elite level. You may be eligible for up to five bonus points.

To be eligible you must:
• Have completed activities in Years 11 and/or 12.
• Be a domestic student (i.e. an Australian citizen or permanent resident or New Zealand citizen).
• Complete an Australian Senior Secondary Certificate (Year 12) or equivalent in the two years prior to admission to UNSW and receive an ATAR or equivalent.
• Not have completed more than 0.75 of a full-time year or equivalent tertiary study.

How do I apply?
Students must submit an application and provide supporting documentation by 30 November each year to be considered. To see a list of the commonly accepted achievements, and how many points you may be eligible for, download the EAPL Guide at unsw.edu.au/eap.

Educational Access Scheme
Life isn’t always smooth-sailing. Things like illness, financial hardship, language difficulties and attending a particular school can mean you don’t always get your best marks in Years 11 and 12. If these situations apply to you, submit an application for the Educational Access Scheme via UAC. Eligible students can receive between 1 and 10 points towards their chosen UNSW degree. Don’t forget, you need to be as specific as possible in your application as to how your circumstances have directly impacted your study. For more info visit uac.edu.au/eas.

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ALTERNATIVE ENTRY

There are a number of ways we can help you get into UNSW. If you’re eligible, these, combined with your ATAR or equivalent, may assist you in meeting our entry requirements.

**Faculty specific entry requirements**

**Portfolio entry**

If you are expecting an ATAR within 10 points of the lowest selection rank for all of our Art & Design single degrees and most of our Built Environment degrees, you can submit a portfolio to boost your chances of an offer. [artdesign.unsw.edu.au/portfolio-entry][1]

**Engineering pathway**

If you are passionate about all things Engineering and you are anticipating a selection rank (ATAR + adjustment factors) between 83.00 and 92.95, then the Faculty of Engineering Admissions Scheme (FEAS) is for you! [eng.unsw.edu.au/feas][2]

**Information Systems pathway**

You may be interested in the Bachelor of Information Systems Admission Scheme (BISAS) if you are anticipating an ATAR or equivalent between 81.00 and 90.95. You will also need to complete a questionnaire and attend an interview. [business.unsw.edu.au/bisas][3]

**Pathways for domestic students**

**Degree transfer – internally**

We understand that you may change your mind about your chosen degree at UNSW. After one year of study, you can use our Internal Program Transfer (IPT) to move into your dream degree – we will only look at your first-year uni marks and not your ATAR. IPT can also be a useful pathway if you don’t meet the entry requirement for a degree – simply start in a similar degree with a lower cut-off, study for one year and use IPT to apply to transfer into your dream degree. [unsw.edu.au/ipt][4]

**TAFE or uni study**

If you have studied one year in a degree at another uni you may be eligible for a place at UNSW. Due to recent changes to TAFE Certificates and Diplomas, the admission process will be changing for entry using these qualifications. Contact the Future Students Office to discuss your options and how your qualifications will be assessed for entry to UNSW: [1300 UNI NSW (1300 864 679) or contact us at futurestudents.unsw.edu.au/questions][5]

**UNSW Prep Program**

If things don’t quite go to plan in Years 11 and 12 and you are eligible for the Educational Access Scheme, we have the UNSW Prep Program, which is a one year pathway to a UNSW degree. [unsw.edu.au/unswprep17-19][6]

**UPP**

The UNSW University Preparation Program (UPP) is open to adults aged 20 or older who do not satisfy the entry requirements for admission to study at UNSW. By completing the UPP you can build your academic skills by studying part-time in your area of interest. The UPP is available across four streams: Business – Engineering – Humanities – Science. Once completed, you can use your results to apply for a place in a degree at UNSW. [www.edu.au/upp][7]

**Indigenous Entry Programs**

The Indigenous Preparatory Programs and UNSW Indigenous Scheme have been developed for Australian Aboriginal and Torres Strait Islander People to gain access to higher education. Both programs have been designed to assess your commitment, attitude and aptitude towards your studies and your ability to participate academically in your selected discipline. [nuragili.unsw.edu.au/preprograms][8]

**Indigenous Enabling Programs**

The Humanities Pathway Program is a one year program that provides a pathway into academic study in Arts, Social Sciences and Law for Australian Aboriginal and Torres Strait Islander students who may need to gain further knowledge in their selected discipline or better prepare themselves for University. [nuragili.unsw.edu.au/unswenablingprograms][9]

**UNSW Gateway Entry**

If you experience significant educational disadvantage during your secondary schooling, your ATAR may not accurately reflect your ability to achieve at university. UNSW Gateway Entry is available to students who attend identified high schools in metropolitan and regional NSW. UNSW Gateway boosts your selection rank by up to 10 points, helping you gain entry to any degree with a Guaranteed Entry rank of 90.00 or below. [gateway.unsw.edu.au][10]

**UNSW Foundation Studies**

UNSW Foundation Studies is the leading university foundation program in Australia. It is designed specifically for students with an international education background but can also be considered by domestic students.

After successful completion of the UNSW Foundation Studies one year program, you may be eligible for a place via a provisional offer to an undergraduate degree at UNSW. [ufs.unsw.edu.au][11]

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[1]: artdesign.unsw.edu.au/portfolio-entry
[2]: eng.unsw.edu.au/feas
[3]: business.unsw.edu.au/bisas
[4]: unsw.edu.au/ipt
[5]: 1300 UNI NSW (1300 864 679) or contact us at futurestudents.unsw.edu.au/questions
[6]: unsw.edu.au/unswprep17-19
[7]: www.edu.au/upp
[8]: nuragili.unsw.edu.au/preprograms
[9]: nuragili.unsw.edu.au/unswenablingprograms
[10]: gateway.unsw.edu.au
[11]: ufs.unsw.edu.au

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No matter what you’re considering, one thing’s for certain…

...UNSW CAN GET YOU WHERE YOU WANT TO GO

In 2019, UNSW is moving to a new academic calendar, UNSW3+. The new calendar will consist of three ten-teaching week terms, plus an optional intensive Summer, which will provide a more flexible learning environment for our students.

UNSW3+ will enable students to create space in their degree for practical, real-life work experience, ensuring they graduate with more than just a degree.

The UNSW3+ calendar dates can be found at: students.unsw.edu.au/new-calendar
We know everyone is different. Let us help you get information on the things you’re really interested in.

Get your personalised guide now at futurestudents.unsw.edu.au/guides

### ART & DESIGN

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Study areas</th>
<th>2018 Lowest rank</th>
<th>2019 GE Rank</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art Theory</td>
<td>Art History • Visual Culture • Colonial/Postcolonial Studies • Visual Studies • Critical Theory • Digital and Design • Histories • Museum Studies</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>3F</td>
<td>None</td>
<td>Arts and cultural management, policy making and administration, galleries, libraries, museums and archives, creative direction, planning and production, art and design, criticism, communications and journalism, cultural and creative research and scholarship, multi-platform publishing and distribution, curatenship, festival, event and museum management, design thinking and management, public programming and engagement, entrepreneurship, creative social enterprise and startups.</td>
</tr>
<tr>
<td>Design (Hons)²</td>
<td>Ceramics • Graphic Design • Interactive Media • Jewellery Design • Object Design • Furniture and lighting • Spatial Design • Textiles</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>4F</td>
<td>Visual Arts</td>
<td>Graphics, media, interaction and digital design, communications, branding and advertising, UX and service design, design management and strategy, social innovation and entrepreneurship, app development, data visualization and responsive design, creative consultancies, design and media studios, design-led businesses, object furniture and lighting design, film, television, online and mobile production and post-production, design for exhibitions, galleries and museums, costume, theatre and events design, design teaching and academics, jewellery and wearable design, packaging, illustration and publishing, textile, fabric and fashion design.</td>
</tr>
<tr>
<td>Fine Arts (Hons)²</td>
<td>Drawing • Painting • Printmaking • Photography • Sculpture • Moving Image</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>4F</td>
<td>Visual Arts</td>
<td>Advertising, art direction, galleries, libraries and museums, sector, arts and cultural administration and policy making, arts education and training, arts writing, publishing and criticism, commercial and new photography, curating and artistic program management in festivals, museums, galleries and public spaces, exhibition planning, design and installation, entertainment, digital media and technology, Industries, theatre, film and television production, urban planning, site activation and public art.</td>
</tr>
<tr>
<td>Media Arts (Hons)²</td>
<td>Animation • Digital Media • Sound • Moving Image • Interactive Media</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>4F</td>
<td>None</td>
<td>Animation design and production, video, online and mobile media, interaction, user experience and environments, game development and production, digital publishing, advertising and communications, digital strategy, film, television, online and mobile production, multiplatform media development and production, production management and development, sound design, composition and production, scientific imaging and visualization, media strategy and planning, entrepreneurship, innovation and media startups.</td>
</tr>
</tbody>
</table>

² There may be changes to this degree for 2019 admission, please check [artdesign.unsw.edu.au](http://artdesign.unsw.edu.au) frequently for updates

### ARTS & SOCIAL SCIENCES

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest rank</th>
<th>2019 GE Rank</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>Asian Studies • Chinese Studies • Creative Writing • Criminology • Development Studies • Economics (Business) • English • Environmental Humanities • European Studies • Film Studies • French Studies • Geography (Science) • German Studies • History • Human Resource Management (Business) • Indigenous Studies (Nura Gili) • International Business (Business) • Japanese Studies • Korean Studies • Linguistics • Media Culture and Technology • Music Studies • Philosophy • Politics and International Relations • Sociology and Anthropology • Spanish and Latin American Studies • Studies in Psychology (Science) • Theatre and Performance Studies</td>
<td>87.00</td>
<td>82.00</td>
<td>29</td>
<td>3F</td>
<td>None</td>
<td>Diplomacy, social justice, publishing, international affairs, media, politics, business and entrepreneurship, the arts and creative industries, education, journalism, university and public.</td>
</tr>
<tr>
<td>Business</td>
<td>Asian Studies • Chinese Studies • Creative Writing • Criminology • Development Studies • Economics (Business) • English • Environmental Humanities • European Studies • Film Studies • French Studies • German Studies • History • Human Resource Management (Business) • Indigenous Studies (Nura Gili) • International Business (Business) • Japanese Studies • Korean Studies • Linguistics • Media Culture and Technology • Music Studies • Philosophy • Politics and International Relations • Sociology and Anthropology • Spanish and Latin American Studies • Studies in Psychology (Science) • Theatre and Performance Studies</td>
<td>90.00</td>
<td>90.00</td>
<td>33</td>
<td>3F</td>
<td>None</td>
<td>This degree provides you with the tools to work in management, marketing and strategy roles in a range of industries and organisations. Your choice of major will help to shape your career options.</td>
</tr>
<tr>
<td>Criminology &amp; Criminal Justice</td>
<td>Criminology • Social Research and Policy</td>
<td>84.00</td>
<td>84.00</td>
<td>30</td>
<td>3F</td>
<td>None</td>
<td>Policy, research, analyst and advocacy roles in government, non-government, community, and private organisations.</td>
</tr>
<tr>
<td>International Studies</td>
<td>International Studies • Language Study</td>
<td>92.00</td>
<td>93.00</td>
<td>35</td>
<td>4F</td>
<td>None</td>
<td>International business, government agencies (including foreign, defence, trade, investment banks and other financial/institutions, United Nations agencies), International trade and trade, humanitarian aid &amp; human rights organisations, international development agencies.</td>
</tr>
</tbody>
</table>

² There may be changes to this degree for 2019 admission, please check [artdesign.unsw.edu.au](http://artdesign.unsw.edu.au) frequently for updates
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**ARTS & SOCIAL SCIENCES**

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2019 Lowest rank*</th>
<th>2019 GE Diploma</th>
<th>No. of years</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Media (Communication &amp; Journalism)</td>
<td>Media + Communication + Journalism</td>
<td>85.00 - 86.00</td>
<td>31</td>
<td>3F</td>
<td>None</td>
<td>Journalism, public relations and advertising, corporate, organisational and public sector communication, internal communications, media relations, and social media strategy. Can be combined with: International Studies, Law, Music.</td>
</tr>
<tr>
<td>Media (PR &amp; Advertising)</td>
<td>Media + Advertising + Public Relations</td>
<td>85.00 - 86.00</td>
<td>31</td>
<td>3F</td>
<td>None</td>
<td>Public relations, advertising, media relations and organisational communication in corporate, political and non-profit organisations, corporate affairs and social media strategy. Can be combined with: Commerce, Design (Hons), International Studies, Law, Music.</td>
</tr>
<tr>
<td>Media (Screen &amp; Sound Production)</td>
<td>Media + Screen and Sound Production + Film Studies</td>
<td>85.00 - 86.00</td>
<td>31</td>
<td>3F</td>
<td>None</td>
<td>Content producer in the evolving contemporary media industry. Also roles in the audio visual industry, such as television and film production, sound design, editing, film criticism and research. Can be combined with: International Studies, Law, Music.</td>
</tr>
<tr>
<td>Music*</td>
<td>Music Creative Practice + Musicology + Sonic Arts + Music Pedagogy</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>4F</td>
<td>See note</td>
</tr>
<tr>
<td>Social Research &amp; Policy</td>
<td>Development Studies + Economics (Business) + Environmental Humanities + Human Resource Management (Business) + Indigenous Studies + International Business (Business) + Marketing (Business) + Media, Culture + Media Technology + Politics + and International Relations + Sociology and Anthropology</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>3F</td>
<td>None</td>
</tr>
<tr>
<td>Social Work (Hons)</td>
<td>Social Work</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>4F</td>
<td>None</td>
</tr>
</tbody>
</table>

**Music* | Music Creative Practice + Musicology + Sonic Arts + Music Pedagogy | 80.00 | 80.00 | 28 | 4F | See note | Performance, private teaching, recording, arts administration, music journalism, arranging and composing. Can be combined with: Advanced Science (Hons), Arts, Commerce, Education (Secondary), Engineering (Hons), Law, Media (Communication & Journalism), Media (PR & Advertising), Media (Screen & Sound Production), Science. |

**Social Research & Policy** | Development Studies + Economics (Business) + Environmental Humanities + Human Resource Management (Business) + Indigenous Studies + International Business (Business) + Marketing (Business) + Media, Culture + Media Technology + Politics + and International Relations + Sociology and Anthropology | 80.00 | 80.00 | 28 | 3F | None | Graduates are highly skilled in gaining diverse employment in the public, community, and private sectors in areas such as community development, health, the environment, research and policy analysis, political advising, organisational management, marketing and media research, corporate affairs management and private consulting. Can be combined with: Advanced Science (Hons), Art, History (Hons), Social Work, Social Research and Policy. |

**Social Work (Hons)** | Social Work | 80.00 | 80.00 | 28 | 4F | None | Social Workers operate in diverse areas, including hospitals, government departments, welfare agencies, industry/corporate, community organisations, and as independent consultants. Can be combined with: Arts, Criminology and Criminal Justice, Law, Social Research and Policy. |

**UNSW Prep (17-19) Arts & Social Sciences** | Academic Study Skills + Social Science Skills + Selected courses from UNSW Arts & Social Sciences | See note | N/A | See note | 1F | None | See Arts. |

**BUILT ENVIRONMENT**

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Study areas</th>
<th>2018 Lowest rank*</th>
<th>2019 GE Diploma</th>
<th>No. of years</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Studies</td>
<td>Design Studio + Communications + History and Theory + Technology + Practice + Computer Modelling + Technical Drawing and Model Making + Materials + Structure and Construction</td>
<td>95.60</td>
<td>96.00</td>
<td>36</td>
<td>3F</td>
<td>None</td>
</tr>
<tr>
<td>City Planning (Hons)</td>
<td>Planning Theory and Methodology + Sociology + Political Economy + Planning Law + Transport Planning + Environmental Science + Heritage Studies + Urban Design + Planning History</td>
<td>83.00</td>
<td>84.00</td>
<td>30</td>
<td>4F</td>
<td>(includes practice year)</td>
</tr>
<tr>
<td>Computational Design</td>
<td>Design Studio + Computer Aided Design (CAD) + Building Modelling + Rendering + Animation + Multimedia + Information Technology in Design</td>
<td>80.00</td>
<td>81.00</td>
<td>29</td>
<td>3F</td>
<td>1 year</td>
</tr>
<tr>
<td>Construction Management and Property</td>
<td>Building Construction + Property Development + Facilities Management + Quantity Surveying + Construction Technology + Building Science Materials and Structure + Management + Economics and Law</td>
<td>84.00</td>
<td>87.00</td>
<td>31</td>
<td>3F</td>
<td>None</td>
</tr>
</tbody>
</table>
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BUILT ENVIRONMENT

Degree name | Study areas | 2018 Lowest rank* | 2019 GE Rank¹ | 2019 IB Diploma | No. of years | Assumed knowledge | Career opportunities
--- | --- | --- | --- | --- | --- | --- | ---
Industrial Design (Hons) | Design Studio + Computer Aided Design (CAD) + 3D Digital Modelling + Commerce and Marketing + Science and Engineering + Materials and Manufacturing | 80.00 | 81.00 | 29 | 4F | None | Product designer within a multi-disciplinary design team (architecture and engineering consultancies), Product Designer within the manufacturing sector (consumer and public access products electrical, transport, scientific, medical, retail, furniture, telecommunications), Digital Multimedia Designer. Product Branding Marketer, Packaging Designer, Graphic Designer, Service and Strategic Design.
Interior Architecture (Hons) | Design Studio + Communications + Technology + Practice + History and Theory + Computer Modelling + Technical Drawing and Model Making + Materials | 80.00 | 81.00 | 29 | 4F | None | Interior Architects in architecture and design practices, Private Consultant, specializing in residential, retail, workplace, commercial or hospitality. Corporate Interior Designer specializing in multi-storey residential, retail, hospitality, hotel or exhibition design, your own interior architecture or design practice, project management, construction management.
Landscape Architecture (Hons) | Design Studio + Environmental Technology and Practice + Ecological Processes + Communication + Parks and Design + History and Theory + Landscape Engineering Principles | 80.00 | 81.00 | 29 | 4F | None | Landscape Architect, Designer in Private Practice, Designer, Project Manager or Technical Officer in local government, Landscape Planner in a state government agency or authority, Landscape planning and management specialist. Designer with a landscape-construction company.

Built Environment Dual Degrees

Degree Name | 2018 Lowest rank* | 2019 GE Rank¹ | 2019 IB Diploma | No. of years | Note
--- | --- | --- | --- | --- | ---
BSc(Hons) Dual Degree in Architecture⁵ | Portfolio + Interview | N/A | Portfolio + Interview | 4F | 

BUSINESS SCHOOL

Degree name | Majors available | 2018 Lowest rank¹ | 2019 GE Rank¹ | 2019 IB Diploma | No. of years | Assumed knowledge | Career opportunities
--- | --- | --- | --- | --- | --- | --- | ---
Actuarial Studies | Actuarial Studies and second major option: • Accounting • Actuarial Risk Management and Analytics • Business Economics • Business Law • Business Strategy and Economics Management • Finance • Financial Economics • Human Resource Management • Information Systems • International Business • Marketing • Mathematics • Quantitative Data Science • Real Estate Studies • Statistics | 97.50 | 98.00 | 40 | 3F | Mathematics Extension 1 | Accredited by Actuaries Institute (Australia) for Part I exemption. Actuarial Analyst, Asset Management Trainee, Credit Analyst, Forecasting Analyst, Insurance Analyst, Risk Assessment Officer, Statistical Research Analyst, Superannuation Advisor, Wealth Management Analyst, Business Consultant and Investment Banker.
Actuarial Studies (Co-op)⁷ | See Actuarial Studies | ATAR + Co-op | 98.00 + Co-op | 40 + Co-op | Mathematics Extension 1 | Accredited by Actuaries Institute (Australia) for Part I exemption. Part II exemption a met if Honours year is undertaken in the Co-op Program. As above.

Degree name | Majors available | 2018 Lowest rank¹ | 2019 GE Rank¹ | 2019 IB Diploma | No. of years | Assumed knowledge | Career opportunities
--- | --- | --- | --- | --- | --- | --- | ---
Can be combined with: Actuarial Studies, Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Aviation (Management), Design (Hons), Economics, Education (Secondary), Engineering (Hons), Fine Arts, Information Systems, Law, Media (PR & Advertising), Music, Science, Science, Computer Science

Commerce (Co-op)⁶ | Accounting, Business Economics, Finance, Information Systems, Marketing plus a second major from Commerce, see Commerce degree | ATAR + Co-op | 97.00 + Co-op | 39 + Co-op | 4F | Mathematics | See Commerce degree.

Commerce (Co-op) | Finance | ATAR + Co-op | 97.00 + Co-op | 39 + Co-op | 4F | Mathematics | See Commerce degree.

Can be combined with: Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Law, (Secondary), Science

Information Systems | Information Systems | 90.00 | 91.00 | 34 | 3F | Mathematics | Business Analyst, Business Intelligence Systems Developer, e-Commerce Specialist, IT Development Specialis, (IS/IT Architect), IS/IT Consultant, IT Infrastructure Developer, Network Analyst and Systems Analyst, Management Consultant, Technical Manager.
Can be combined with: Commerce

Information Systems (Co-op)⁷ | Information Systems | ATAR + Co-op | 98.00 + Co-op | 38 + Co-op | 4F | Mathematics | See Information Systems degree.

Information Systems (Co-op)⁸ | Information Systems | ATAR + Co-op | 98.00 + Co-op | 38 + Co-op | 4F | Mathematics | See Information Systems degree.

UNSW Prep (17–18) Business | Academic Study Skills + Mathematics Skills + Managing Organisations & People + Marketing Fundamentals | N/A | N/A | See note3 | 1F | None | See Commerce degree.
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### Engineering

#### Degree Name Study areas 2018 Lowest Rank 2019 GE Rank 2019 IB Diploma No. of years Assumed knowledge Career opportunities

- **Aerospace Engineering (Hons)**
  - Aerospace
  - Dynamics
  - Flight Mechanics
  - Propulsion
  - Space Craft
  - Structures
  - Systems
  - Lowest Rank: 92.00
  - GE Rank: 93.00
  - IB Diploma: 35
  - 4F
  - Mathematics, Extension 1, Physics
  - Graduates can work on the design, manufacture and operation of flight vehicles with major satellite companies or airlines, research for civil and military aerospace organisations, and in the space, defence, automotive, and power industries.
  - Can be combined with: Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Commerce, Computer Science, Law, Music, Science

- **Bioinformatics Engineering (Hons)**
  - Bioinformatics
  - Biostatistics
  - Biotechnology
  - Computer Science
  - Data Science
  - Lowest Rank: 92.00
  - GE Rank: 93.00
  - IB Diploma: 35
  - 4F
  - Mathematics, Extension 1, Chemistry
  - Can be combined with: Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Commerce, Computer Science, Law, Master of Biomedical Engineering, Music, Science

- **Chemical Engineering (Hons)**
  - Chemical Engineering
  - Elective options include advanced reaction engineering, advanced process control, fuel and energy, and environmental science and technology.
  - Lowest Rank: 92.00
  - GE Rank: 93.00
  - IB Diploma: 35
  - 4F
  - Mathematics, Extension 1, Physics, Chemistry
  - Chemical engineers can pursue careers in water treatment and recycling, environmental management, manufacturing, food processing, the energy and petrochemical industries, and research, from molecular level up to full heavy-industry scale.
  - Can be combined with: Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Commerce, Computer Science, Law, Master of Biomedical Engineering, Music, Science

---

### Business School Dual Degrees

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>Study areas</th>
<th>2018 Lowest Rank</th>
<th>2019 GE Rank</th>
<th>2019 IB Diploma</th>
<th>No. of years</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuarial Studies/Commerce</td>
<td>Business School Dual Degrees</td>
<td>91.50</td>
<td>98.00</td>
<td>40</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actuarial Studies/Economics</td>
<td>Actuarial Studies/Economics</td>
<td>91.50</td>
<td>98.00</td>
<td>40</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actuarial Studies/Science (Advanced Mathematics) (Hons)</td>
<td>Actuarial Studies/Science (Advanced Mathematics) (Hons)</td>
<td>91.50</td>
<td>98.00</td>
<td>40</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actuarial Studies/Science</td>
<td>Actuarial Studies/Science</td>
<td>91.50</td>
<td>98.00</td>
<td>40</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commerce/Arts</td>
<td>Commerce/Arts</td>
<td>91.50</td>
<td>97.00</td>
<td>39</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commerce/Economics</td>
<td>Commerce/Economics</td>
<td>91.50</td>
<td>97.00</td>
<td>39</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commerce/Information Systems</td>
<td>Commerce/Information Systems</td>
<td>91.50</td>
<td>97.00</td>
<td>39</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commerce/Aerospace Management</td>
<td>Commerce/Aerospace Management</td>
<td>91.50</td>
<td>97.00</td>
<td>39</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commerce/Forensic Arts</td>
<td>Commerce/Forensic Arts</td>
<td>91.50</td>
<td>97.00</td>
<td>39</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commerce/Design (Hons)</td>
<td>Commerce/Design (Hons)</td>
<td>91.50</td>
<td>97.00</td>
<td>39</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commerce/Science</td>
<td>Commerce/Science</td>
<td>91.50</td>
<td>97.00</td>
<td>39</td>
<td>4F</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Civil Engineering (Hons)

#### Degree Name Study areas 2018 Lowest Rank 2019 GE Rank 2019 IB Diploma No. of years Assumed knowledge Career opportunities

- **Civil Engineering (Hons)**
  - Civil Engineering
  - Construction and Management
  - Geotechnical Engineering
  - Structural Engineering
  - Transport Engineering
  - Water Engineering
  - Lowest Rank: 92.00
  - GE Rank: 93.00
  - IB Diploma: 35
  - 4F
  - Mathematics, Extension 1, Physics
  - Graduates can work on large-scale projects, in private and public sectors, in government, construction, and engineering consulting, and in large public and private enterprises.
  - Can be combined with: Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Commerce, Computer Science, Engineering Science, Science (Mining or Environmental), Law, Music, Science, Surveying

---

### Computer Engineering (Hons)

#### Degree Name Study areas 2018 Lowest Rank 2019 GE Rank 2019 IB Diploma No. of years Assumed knowledge Career opportunities

- **Computer Engineering (Hons)**
  - Computer Science
  - Majors: Artificial Intelligence, Human-computer Interfaces, Computer Networks, Databases Systems, Enterprise Systems, Software Engineering
  - Lowest Rank: 92.00
  - GE Rank: 93.00
  - IB Diploma: 35
  - 4F
  - Mathematics, Extension 1, Physics
  - Can be combined with: Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Commerce, Computer Science, Law, Master of Biomedical Engineering, Music, Science

---

### Computer Science

#### Degree Name Study areas 2018 Lowest Rank 2019 GE Rank 2019 IB Diploma No. of years Assumed knowledge Career opportunities

- **Computer Science**
  - Majors: Artificial Intelligence, Human-computer Interfaces, Computer Networks, Databases Systems, Enterprise Systems, Software Engineering
  - Lowest Rank: 92.00
  - GE Rank: 93.00
  - IB Diploma: 35
  - 3F
  - Mathematics, Extension 1
  - Careers are diverse depending on the specialisation studied, with graduates employed as programmers, system analysts and database administrators, Software companies, commercial institutions, robotics, web companies, AI and IT units are big employers of Computer Science Graduates.
  - Can be combined with: Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Commerce, Computer Science, Law, Master of Biomedical Engineering, Music, Science

---

### Electrical Engineering (Hons)

#### Degree Name Study areas 2018 Lowest Rank 2019 GE Rank 2019 IB Diploma No. of years Assumed knowledge Career opportunities

- **Electrical Engineering (Hons)**
  - Energy Systems
  - Microsystems
  - Photonics
  - Systems and Control
  - Signal Processing
  - Wireless and Data Networks
  - Lowest Rank: 92.00
  - GE Rank: 93.00
  - IB Diploma: 35
  - 4F
  - Mathematics, Extension 1, Physics
  - Electrical Engineering opens up a huge range of challenging and rewarding career paths. Potential employers are found in telecommunications, biomedical, electricity authorities and large private industrial groups such as Trans Aus, Austar, BHP Basing Australia, Honeywell, Dolby Australia, IBM and Google.
  - Can be combined with: Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Commerce, Computer Science, Law, Master of Biomedical Engineering, Masters of Engineering in Electrical Engineering, Music, Science
## ENGINEERING

### Degree name | Study areas | 2018 Entrance rank | 2019 GE Rank | 2019 IB Diploma | No. of years | Assumed knowledge | Career opportunities | 2018 Rank* |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Engineering (Honours)</td>
<td>Environmental Engineering + Environmental Studies + Geotechnical Engineering + Transport Engineering + Water and Waste Engineering</td>
<td>92.00</td>
<td>93.00</td>
<td>35</td>
<td>4F Mathematics Extension 1, Physics</td>
<td>There is a broad range of rewarding career opportunities available to Environmental Engineers across the water, construction, energy, and manufacturing industries. Graduates may also consult on major lander projects such as recycling or deactivation plants, and plan sustainable infrastructure.</td>
<td>Can be combined with: Advanced Mathematics (Honours), Advanced Science (Honours), Arts, Commerce, Computer Science, Engineering Science (Civil), Law, Music, Science</td>
<td>2019 Undergraduate Guide</td>
</tr>
<tr>
<td>Flexible First Year</td>
<td>Design and Computing + Engineering Fundamentals + Mathematics + Physics</td>
<td>92.00</td>
<td>93.00</td>
<td>35</td>
<td>1F Mathematics Extension 1, Physics</td>
<td>See individual degrees (Flexible First year) for students who want to be an engineer, but are unsure which discipline of engineering they would feel comfortable signing up for (in the second year students must apply for an internal program transfer into their chosen degree program).</td>
<td>Can be combined with: Advanced Mathematics (Honours), Advanced Science (Honours), Arts, Commerce, Computer Science, Music, Science</td>
<td>2019 Undergraduate Guide</td>
</tr>
<tr>
<td>Food Science (Honours)</td>
<td>Food Science and Technology + Food Science and Nutrition</td>
<td>92.00</td>
<td>93.00</td>
<td>35</td>
<td>4F Mathematics, Chemistry</td>
<td>Career opportunities depend on specialisation but will generally include any industry or organisation that processes or handles food and beverages. Some example roles include quality assurance, new product development, food production management, analysing goods for nutrient content or researching better ways to preserve or package food</td>
<td>Can be combined with: Advanced Mathematics (Honours), Advanced Science (Honours), Arts, Commerce, Computer Science, Law, Music, Science</td>
<td>2019 Undergraduate Guide</td>
</tr>
<tr>
<td>Industrial Chemistry (Honours)</td>
<td>Industrial Chemistry, Elective standard advanced polymer + advanced reaction engineering + advanced processing, food and advanced research thesis</td>
<td>92.00</td>
<td>93.00</td>
<td>35</td>
<td>4F Mathematics Extension 1, Physics Chemistry</td>
<td>Industrial Chemists use their broad understanding of chemistry and environmental sustainability in pharmaceutical companies, polymer manufacturing, petrochemical processing, manufacturing and food science. You might even find yourself challenging the norm in cutting-edge research!</td>
<td>Can be combined with: Advanced Mathematics (Honours), Advanced Science (Honours), Arts, Commerce, Computer Science, Law, Music, Science</td>
<td>2019 Undergraduate Guide</td>
</tr>
<tr>
<td>Mechanical and Manufacturing Engineering (Honours)</td>
<td>Computer Aided Manufacturing (CAM) + Computer Aided Design (CAD) + Manufacturing Science + Process Technology and Automation + Process Modelling and Simulation + Reliability and Maintenance Engineering</td>
<td>92.00</td>
<td>93.00</td>
<td>35</td>
<td>4F Mathematics Extension 1, Physics</td>
<td>Graduates work in a wide variety of manufacturing industries, such as automotive, defence and aerospace, and essentially any industry which creates a new product out of raw materials. For the young entrepreneurs, you may even choose to start up and introduce ground-breaking products to the world!</td>
<td>Can be combined with: Advanced Mathematics (Honours), Advanced Science (Honours), Arts, Commerce, Computer Science, Law, Music, Science</td>
<td>2019 Undergraduate Guide</td>
</tr>
<tr>
<td>Renewable Energy Engineering (Honours)</td>
<td>Biomas + Energy Efficiency and Appliances + Geothermal Systems + Hydro + Turbine + Photovoltaic + Renewable Energy and Solar Architecture + Solar Thermal Systems + Thermal and Wave Energy + Wind Power</td>
<td>92.00</td>
<td>93.00</td>
<td>35</td>
<td>4F Mathematics Extension 1, Physics</td>
<td>Careers in Renewable Energy Engineering are becoming increasingly, popular as global awareness of energy sustainability improves. Graduates can work in a wide range of companies, designing, developing and operating renewable energy systems and constructing energy efficient buildings. Positions are available in manufacturing, research organisations, system design and integration companies, energy utilities and consultancies.</td>
<td>Can be combined with: Advanced Mathematics (Honours), Advanced Science (Honours), Arts, Commerce, Computer Science, Law, Music, Science</td>
<td>2019 Undergraduate Guide</td>
</tr>
</tbody>
</table>

---

*Note: The rank information is for 2018 and 2019. For the most up-to-date information, please visit www.unsw.edu.au/degrees.
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**ENGINEERING**

**Degree name** | **Study areas** | **2019 UAC Rank** | **2019 GE Rank** | **2019 IB Diploma** | **No. of years** | **Assumed knowledge** | Career opportunities
---|---|---|---|---|---|---|---
**Software Engineering (Honours)** | Software Development | 92.00 | 93.00 | 35 | **4F** | **Mathematics Extension 1** | Apart from software development and computing, Software Engineers have work opportunities in telecommunications, defence, security, finance and electronics. You may even apply your knowledge in other areas such as business, medicine, power and transport. **Can be combined with:** Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Commerce, Computer Science, Law, Music, Science
**Telecommunications (Honours)** | Engineering and Mining Surveying, CAD/Computer-Aided Design, Surveying and Land Law, Modern Banking and Finance, Earth Observation, Precise GPS/GNSS Positioning, Satellite and Airborne Imaging, Surveying Applications and Design, Business Management, Sustainable Land Development and Management, Water and Soil Engineering | 92.00 | 93.00 | 35 | **4F** | **Mathematics Extension 1, Physics** | Surveying is a global profession currently facing a major skills shortage. There are excellent career opportunities available in government, the mining industry, private surveying firms, construction firms, telecommunications firms, and an increasing demand for surveyors working in land management and planning, cadastral surveying and land law, hydrographic surveying, aerial imaging and cartography. **Can be combined with:** Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Commerce, Computer Science, Law, Music, Science
**Teledictions (Honours)** | Data Communications Systems, Data Encryption, Compression and Encryption, Satellite and Optical Fibre Networks, Voice Communication Systems | 92.00 | 93.00 | 35 | **4F** | **Mathematics Extension 1, Physics** | The telecommunications field is developing rapidly with growing demand for graduates as technology advances. Graduates can work for telecommunications service providers such as Telstra or Optus and major equipment and device manufacturers such as Cisco, Apple or Huawei. You may even choose to join an exciting new start-ups, such as Airtop Communications, Devicescape, or UnB網頁的Own's Zedelef. **Can be combined with:** Advanced Mathematics (Hons), Advanced Science (Hons), Arts, Commerce, Computer Science, Law, Music, Science

**LNRSS Prep (17–19)** Engineering

Academic Study Skills + Mathematics Skills + Intro to the World Wide Web + Spreadsheets & Databases + Communicating in Engineering + Fundamentals of Physics

**See note**¹ | **N/A** | **See note**¹ | **1.5F** | None | See Engineering (Flexible First Year)

**LAW**

**Degree name** | **2018 UAC Rank** | **2019 GE Rank** | **2019 IB Diploma** | **No. of years**
---|---|---|---|---
**Arts & Business/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Arts/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Business/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Computer Science/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Communications and Media/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Economics/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Engineering (Honours)/Law** | **ATAR/LAT Diploma/LAT** | **6.5F** | 
**Fine Arts/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**International Studies/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Journalism/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Law/Commerce/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Law/Arts/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Media (Screen & Sound Journalism)/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Media (Communication & Journalism)/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 
**Media (Public Relations & Advertising)/Law** | **ATAR/LAT Diploma/LAT** | **N/A IB Diploma + LAT** | **5F** | 

**Engineering Dual Degrees**

**Degree name** | **UAC Rank** | **2019 GE Rank** | **2019 IB Diploma** | **No. of years**
---|---|---|---|---
**Computer Science/Arts** | **92.00** | **93.00** | **35** | **4F** | 
**Computer Science/Engineering (Honours)** | **92.00** | **93.00** | **35** | **5F** | 
**Computer Science/Media Arts (Honours)** | **92.00** | **93.00** | **35** | **4F** | 
**Computer Science/Science (Honours)** | **92.00** | **93.00** | **35** | **4F** | 
**Engineering (Honours)/Arts** | **92.00** | **93.00** | **35** | **5.5F** | 
**Engineering (Honours)/Commerce** | **98.60** | **97.00** | **38** | **5.5F** | 
**Engineering (Honours)/Computer Science** | **92.00** | **93.00** | **35** | **5F** | 
**Engineering (Honours)/Engineering Science (Civil/Mineral or Mining/Geol)** | **92.00** | **93.00** | **35** | **5F** |

**The Law Admission Test (LAT)**

The Law Admission Test (LAT) is a written test we use in combination with your academic results to determine your suitability for studying undergraduate Law. The annual two-hour written test evaluates your critical thinking and analytical skills, and your ability to express yourself in a logical way. The higher your score the greater the boost to your selection rank. Good luck!
MEDICINE

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Public Health</td>
<td>N/A</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>3F</td>
<td>English Standard</td>
<td>A fully online program designed as a direct pathway into a career in public health, to build and strengthen the international workforce. A pathway to transition to a higher degree, including graduate medicine, Master's program, or PhD.</td>
</tr>
</tbody>
</table>

Exercise Physiology

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exercise Physiology</td>
<td>N/A</td>
<td>86.00</td>
<td>87.00</td>
<td>31</td>
<td>4F</td>
<td>Mathematics and Chemistry</td>
<td>Exercise Physiologists work in private practice, hospitals, medical clinics or research in the area of exercise for the prevention and management of chronic disease such as cardiovascular and neurovascular disorders, and cardiopulmonary and metabolic conditions.</td>
</tr>
</tbody>
</table>

Medical Studies + Doctor of Medicine¹²

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Studies + Doctor of Medicine</td>
<td>N/A</td>
<td>IB Diploma + UMAT + Interview</td>
<td>IB Diploma + UMAT + Interview</td>
<td>6F</td>
<td>English Standard - Band 4 or higher</td>
<td>Medical practitioners in hospitals and private practice. Further study and experience enables graduates to specialise in a specific area of medicine, such as General Practice, Cardiology, Oncology, Orthopaedics, Paediatrics etc.</td>
<td></td>
</tr>
</tbody>
</table>

Medicine Dual Degrees

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Studies + Doctor of Medicine + Arts</td>
<td>N/A</td>
<td>IB Diploma + UMAT + Interview</td>
<td>IB Diploma + UMAT + Interview</td>
<td>5F</td>
<td>Arts</td>
<td>Can be combined with:</td>
</tr>
</tbody>
</table>

UNSW Medicine Admissions Test

To join UNSW Medicine, you must sit the UMAT (Undergraduate Medicine and Health Sciences Admission Test), which is held annually. You need to ensure you also complete the application process through UNSW's Medicine Application Portal and the Universities Admissions Centre - both are required. The final step is an interview and if successful you'll be offered a place.

SCIENCE

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Science (Hons)</td>
<td>Advanced Physical Oceanography + Advanced Physics + Anatomy + Archaeology and Paleoenvironments + Bioinformatics + Biology + Biotechnology + Chemistry + Climate Dynamics + Climate Systems Science + Earth Science + Ecology + Geospatiality + Geography + Geophysics + Geosciences + Human Geography + Marine and Coastal Science + Materials Science + Mathematics + Microbiology + Molecular and Cell Biology + Neurosciences + Pathology + Pharmacology + Physiology + Psychology + Statistics + Vision Science</td>
<td>95.00</td>
<td>96.00</td>
<td>38</td>
<td>4F</td>
<td>Mathematics Extension 1</td>
<td>Opportunities in banking, insurance and investment, environmental modeling, oceanography, meteorology, computing, information technology, government, education and research.</td>
</tr>
<tr>
<td>Advanced Science (Hons)</td>
<td>Advanced Physical Oceanography + Advanced Physics + Anatomy + Archaeology and Paleoenvironments + Bioinformatics + Biology + Biotechnology + Chemistry + Climate Dynamics + Climate Systems Science + Earth Science + Ecology + Geospatiality + Geography + Geophysics + Geosciences + Human Geography + Marine and Coastal Science + Materials Science + Mathematics + Microbiology + Molecular and Cell Biology + Neurosciences + Pathology + Pharmacology + Physiology + Psychology + Statistics + Vision Science</td>
<td>95.00</td>
<td>96.00</td>
<td>38</td>
<td>4F</td>
<td>Mathematics Extension 1 (depending on chosen area of study)</td>
<td>Employment with research institutes, start-up innovation companies, university or industry in Australia or overseas, technology-management, analysis in business or finance, psychology, medical research and development, environmental protection or forensic science.</td>
</tr>
</tbody>
</table>

Aviation (Flying)¹³

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation (Flying)</td>
<td>Aviation (Flying)</td>
<td>80.00 + Interview</td>
<td>80.00 + Interview</td>
<td>28.00 + Interview</td>
<td>3F</td>
<td>Mathematics</td>
<td>Pilots for regional or major commercial airlines, training centres, charter flights, or as aerial surveyors.</td>
</tr>
</tbody>
</table>

Aviation (Management)

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation (Management)</td>
<td>Aviation (Management)</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>3F</td>
<td>Mathematics</td>
<td>Management in airlines, freight companies, regulatory authorities, defence forces or airports.</td>
</tr>
</tbody>
</table>

Biotechnology (Hons)

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biotechnology (Hons)</td>
<td>Biotechnology</td>
<td>85.00</td>
<td>85.00</td>
<td>31</td>
<td>3F</td>
<td>Mathematics, Chemistry</td>
<td>Scientist or researcher with medical, biological or pharmaceutical research organisations.</td>
</tr>
</tbody>
</table>

Data Science and Decisions

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Science and Decisions</td>
<td>Quantitative Data Science + Computational Data Science + Business Data Science</td>
<td>94.00</td>
<td>95.00</td>
<td>37</td>
<td>3F</td>
<td>Mathematics Extension 1</td>
<td>Example include data scientist, data engineer, data analyst, statistician, business analyst, data manager.</td>
</tr>
</tbody>
</table>

Materials Science and Engineering (Hons)

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Materials Science and Engineering (Hons)</td>
<td>Physical Metallurgy + Process Metallurgy + Materials Engineering + Ceramic Engineering</td>
<td>85.00</td>
<td>83.00</td>
<td>35</td>
<td>4F</td>
<td>Mathematics Extension 1, Physics</td>
<td>Work in areas of research and development, quality technical support, process improvement, team leadership and management, technical sales, marketing and more for companies producing engineered materials, metals, ceramics and plastics.</td>
</tr>
</tbody>
</table>

Environmental Management

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Management</td>
<td>Biology + Earth Science + Ecology + Environmental Chemistry + Geography + Marine and Coastal Science</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>3F</td>
<td>Mathematics, Chemistry</td>
<td>Environmental consultants or officers within industry or with local, state or federal government. Employers may include National Parks and Wildlife or the Environmental Protection Authority.</td>
</tr>
</tbody>
</table>

Life Sciences

<table>
<thead>
<tr>
<th>Degree name</th>
<th>Majors available</th>
<th>2018 Lowest cut**</th>
<th>2019 GE Rank¹</th>
<th>2019 IB Diploma</th>
<th>No. of yrs</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life Sciences</td>
<td>Anatomy + Biology + Biological Chemistry + Biotechnology + Ecology + Genomics + Marine and Coastal Science + Microbiology + Molecular and Cell Biology + Pathology + Pharmacology + Physiology</td>
<td>80.00</td>
<td>80.00</td>
<td>28</td>
<td>3F</td>
<td>Mathematics Extension 1, Physics (depending on chosen area of study)</td>
<td>Life sciences have valuable applications in health, agriculture, medicine, pharmaceutical and food science industries.</td>
</tr>
</tbody>
</table>
### Science

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>Majors available</th>
<th>2018 Latest rank*</th>
<th>2019 GE Rank*</th>
<th>2019 IB Diploma</th>
<th>No. of years</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science (International)</td>
<td>See Science and International Studies</td>
<td>88.00</td>
<td>88.00</td>
<td>32</td>
<td>4F</td>
<td>Mathematics and Chemistry plus one or more of Biology, Earth &amp; Environmental Science, Physics or Mathematics Extension 1 (depending on chosen area of study)</td>
<td>Flexible degree with a broad range of career options in Australia and overseas. Graduates are employed in a variety of science and technology based roles, in management, research and communications, within industry, government and the private sector. Can be combined with: Law</td>
</tr>
<tr>
<td>Physics (Hons)</td>
<td>Mathematics</td>
<td>87.00</td>
<td>88.00</td>
<td>32</td>
<td>3F</td>
<td>Work in clinical, legal, organisational, educational and research settings, in both the private and public sectors. Across industries, including health care and social assistance; public administration and safety; education and training; and administrative and support services. Can be combined with: Law</td>
<td></td>
</tr>
<tr>
<td>Psychology (Hons)</td>
<td>Mathematics</td>
<td>98.00</td>
<td>99.00</td>
<td>42</td>
<td>4F</td>
<td>Work in a wide variety of different contexts, including clinical, legal, organisational, educational and research settings in both private and public sectors. Psychologists are employed across several industries, including health care and social assistance; public administration and safety; education and training; and administrative and support services. Can be combined with: Law</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>Mathematics and Chemistry plus one or more of Biology, Earth &amp; Environmental Science, Physics or Mathematics Extension 1 (depending on chosen area of study)</td>
<td>85.00</td>
<td>86.00</td>
<td>31</td>
<td>3F</td>
<td>Variety of fields in science and technology based industries and businesses in management, research and communication within industry, government and the private sector. Psychologists are employed in a variety of science and technology related industries, commercial environment in which they are employed. Can be combined with: Actuarial Studies, Arts, Commerce, Computer Science, Economics, Education (Secondary), Engineering (Hons), Fine Arts, Law, Music, Social Research and Policy</td>
<td></td>
</tr>
</tbody>
</table>

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### Science Dual Degrees

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>2018 Latest rank*</th>
<th>2019 GE Rank*</th>
<th>2019 IB Diploma</th>
<th>No. of years</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Mathematics (Hons)</td>
<td>Arts</td>
<td>95.00</td>
<td>96.00</td>
<td>34</td>
<td>5F</td>
<td></td>
</tr>
<tr>
<td>Advanced Mathematics (Hons)</td>
<td>Computer Science</td>
<td>95.00</td>
<td>96.00</td>
<td>38</td>
<td>5F</td>
<td></td>
</tr>
<tr>
<td>Advanced Mathematics (Hons)</td>
<td>Engineering (Hons)</td>
<td>95.00</td>
<td>96.00</td>
<td>38</td>
<td>5F</td>
<td></td>
</tr>
<tr>
<td>Advanced Mathematics (Hons)</td>
<td>Arts</td>
<td>95.00</td>
<td>96.00</td>
<td>34</td>
<td>5F</td>
<td></td>
</tr>
<tr>
<td>Advanced Science (Hons)</td>
<td>Computer Science</td>
<td>95.00</td>
<td>96.00</td>
<td>38</td>
<td>5F</td>
<td></td>
</tr>
<tr>
<td>Advanced Science (Hons)</td>
<td>Engineering (Hons)</td>
<td>95.00</td>
<td>96.00</td>
<td>38</td>
<td>5F</td>
<td></td>
</tr>
<tr>
<td>Advanced Science (Hons)</td>
<td>Fine Arts</td>
<td>95.00</td>
<td>96.00</td>
<td>38</td>
<td>5F</td>
<td></td>
</tr>
<tr>
<td>Advanced Science (Hons)</td>
<td>Social Research and Policy</td>
<td>95.00</td>
<td>96.00</td>
<td>38</td>
<td>5F</td>
<td></td>
</tr>
<tr>
<td>Science and Engineering</td>
<td>B.com</td>
<td>85.00</td>
<td>86.00</td>
<td>31</td>
<td>4F</td>
<td>Science and Engineering</td>
</tr>
<tr>
<td>Science and Engineering</td>
<td>B.com</td>
<td>92.00</td>
<td>93.00</td>
<td>35</td>
<td>5F</td>
<td>Materials Science and Engineering (Hons)</td>
</tr>
<tr>
<td>Science and Engineering</td>
<td>B.com</td>
<td>92.00</td>
<td>93.00</td>
<td>35</td>
<td>5F</td>
<td>Materials Science and Engineering (Hons)</td>
</tr>
<tr>
<td>Science and Engineering</td>
<td>B.com</td>
<td>96.50</td>
<td>97.00</td>
<td>39</td>
<td>5.5F</td>
<td>Science and Engineering</td>
</tr>
<tr>
<td>Science and Engineering</td>
<td>B.com</td>
<td>85.00</td>
<td>86.00</td>
<td>31</td>
<td>4F</td>
<td>Science and Engineering</td>
</tr>
</tbody>
</table>

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### Medical Science

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>Majors available</th>
<th>2018 Latest rank*</th>
<th>2019 GE Rank*</th>
<th>2019 IB Diploma</th>
<th>No. of years</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Science</td>
<td>Human Anatomy • Molecular Biology • Molecular Genetics • Microbiology • Neuroscience • Neurobiology • Human Pathology • Medical Pharmacology • Medical Zoology</td>
<td>92.00</td>
<td>94.00</td>
<td>36</td>
<td>3F</td>
<td>Mathematics, Chemistry</td>
<td>Medical research, paramedical professions, health policy, medical laboratory science, pathology and forensic science, pharmaceutical and related industries. Can be combined with: Actuarial Studies, Arts, Commerce, Computer Science, Economics, Education (Secondary), Engineering (Hons), Fine Arts, Law, Music, Social Research and Policy</td>
</tr>
<tr>
<td>Medical Chemistry (Hons)</td>
<td>Medicinal Chemistry</td>
<td>90.00</td>
<td>90.00</td>
<td>33</td>
<td>4F</td>
<td>Mathematics, Chemistry</td>
<td>Work in pharmaceutical and biotechnology industries. Graduates equipped with skills in modern molecular biology and pharmacology, underpinned with a comprehensive background in chemistry with relevant synthetic skills necessary for synthesis of complex molecules. Additional employment opportunities include the research, government, management, legal, and education sectors. Can be combined with: Law</td>
</tr>
<tr>
<td>Psychological Science</td>
<td>Criminology • Human Resource Management • Linguistics • Management • Marketing • Neuroscience • Philosophy • Psychology • Vision Science</td>
<td>87.00</td>
<td>88.00</td>
<td>32</td>
<td>3F</td>
<td>Mathematics</td>
<td>Work in clinical, legal, organisational, educational and research settings, in both the private and public sectors. Across industries, including health care and social assistance; public administration and safety; education and training; and administrative and support services. Can be combined with: Law</td>
</tr>
<tr>
<td>Psychology (Hons)</td>
<td>Psychology</td>
<td>98.00</td>
<td>99.00</td>
<td>42</td>
<td>4F</td>
<td>Mathematics</td>
<td>Work in a wide variety of different contexts, including clinical, legal, organisational, educational and research settings in both private and public sector. Psychologists are employed across several industries, including health care and social assistance; public administration and safety; education and training; and administrative and support services. Can be combined with: Law</td>
</tr>
<tr>
<td>Science</td>
<td>Anatomy • Bioinformatics • Biology • Biotechnology • Chemistry • Earth Science • Geochemistry • Geology • Marine and Coastal Science • Materials Science • Mathematics • Microbiology • Molecular and Cell Biology • Neuroscience • Physical Chemistry • Physics • Physiology • Psychology • Statistics • Vision Science</td>
<td>85.00</td>
<td>86.00</td>
<td>31</td>
<td>3F</td>
<td>Mathematics and Chemistry plus one or more of Biology, Earth &amp; Environmental Science, Physics or Mathematics Extension 1 (depending on chosen area of study)</td>
<td>Variety of fields in science and technology based industries and business in management, research and communication within industry, government and the private sector. Can be combined with: Law</td>
</tr>
</tbody>
</table>

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### Vision Science

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>Majors available</th>
<th>2018 Latest rank*</th>
<th>2019 GE Rank*</th>
<th>2019 IB Diploma</th>
<th>No. of years</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vision Science</td>
<td>Vision Science</td>
<td>96.00</td>
<td>97.00</td>
<td>39</td>
<td>3F</td>
<td>Mathematics, Chemistry, Physics and English Advanced</td>
<td>Employment opportunities exist in a wide range of optics, vision science and ophthalmology research laboratories which involve the development of vision correction devices such as contact lenses, spectacles, ocular implants, imaging, and drug development. Can be combined with: Master of Clinical Optometry</td>
</tr>
<tr>
<td>Vision Science/ Master of Clinical Optometry</td>
<td>Vision Science</td>
<td>99.00</td>
<td>N/A</td>
<td>N/A</td>
<td>5F</td>
<td>Mathematics, Chemistry, Physics and English Advanced</td>
<td>Optometrist. May specialise in clinical practice, paediatric optometry, contact lenses, public health, sports vision, low vision rehabilitation or behavioural optometry</td>
</tr>
</tbody>
</table>

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### UNSW Prep

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>2018 Latest rank*</th>
<th>2019 GE Rank*</th>
<th>2019 IB Diploma</th>
<th>No. of years</th>
<th>Assumed knowledge</th>
<th>Career opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNSW Prep (17-18) Science</td>
<td>Studies will include: Academic Study Skills + Mathematics Skills + Elective course</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Can be combined with: Master of Clinical Optometry</td>
</tr>
</tbody>
</table>

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We know everyone is different. Let us help you get information on the things you’re really interested in. Get your personalised guide now at [futures.unsw.edu.au/guides](http://futures.unsw.edu.au/guides).
UNSW CANBERRA

Get your personalised guide now at futurestudents.unsw.edu.au/guides

We know everyone is different. Let us help you get information on the things you’re really interested in.

2019 UNDERGRADUATE GUIDE | EXPERIENCE MORE WITH UNSW

Science¹¹

- Physics
- Oceanography
- Geography
- Computer Science

Electrical and Cyber Computing (Hons)¹¹

- Electrical Engineering
- Cyber Security

Engineering

- Mechanical Engineering
- Aerospace Engineering
- Electrical Engineering
- Civil Engineering
- Chemical Engineering
- Environmental Engineering
- Technology

Business

- Business

Science

- Aviation + Chemistry
- Computer Science + Geographical Science
- Mathematics + Physics Information Systems

Arts¹¹

- Business + English & Media Studies
- Geography + History
- Indonesian Studies
- International & Political Studies

Engineering

- Mechanical Engineering
- Aerospace Engineering
- Electrical Engineering
- Civil Engineering
- Chemical Engineering
- Environmental Engineering
- Technology

Computing and Cyber Security¹¹

- Computing and Cyber Security

UNSW Canberra degrees for defence students

Degree name | Majors available | 2018 Lowest rank¹² | 2019 GE Rank | 2019 IB Diploma No. of years | Assumed knowledge | Career opportunities
--- | --- | --- | --- | --- | --- | ---
Technology (Aeronautical)* | Technology (Aeronautical) | ATAR + DFR entry | N/A | IB Diploma + DFR entry | 3F | Mathematics and Physics (Chemistry Desirable) | The Bachelor of Technology (Aeronautical) is designed for students wishing to work in the ADF as an Aeronautical Engineering Technician but not necessarily as a fully-qualified Engineer. This degree is primarily undertaken by Air Force Officers Cadets who intend to become Aircrew and wish to enhance their understanding of the operation and performance of aircraft.

Technology (Aviation)** | Technology (Aviation) | ATAR + DFR entry | N/A | IB Diploma + DFR entry | 3F | Mathematics and Physics (Chemistry Desirable) | The Bachelor of Technology (Aviation) covers technical and operating aspects of aircraft safety and management. A key element of this program is the focus on the human factors in the aviation discipline. There is also an emphasis on the functions of pilots, air combat officers and aircraft controllers and their role in aviation.

UNSW Canberra degrees for non-defence students

Degree name | Majors available | 2018 Lowest rank¹² | 2019 GE Rank | 2019 IB Diploma No. of years | Assumed knowledge | Career opportunities
--- | --- | --- | --- | --- | --- | ---
Aeronautical Engineering (Hons) Science* | Aeronautical Engineering | ATAR + Application | ATAR + Application | IB Diploma + Application | 4F | Mathematics and Physics (Chemistry Desirable) | As an Aeronautical Engineer you could work in aircraft, defence or space industries on the design and manufacture of light aircraft, passenger aircraft and military jets.

Civil Engineering (Hons)** | Civil Engineering | ATAR + Application | ATAR + Application | IB Diploma + Application | 4F | Mathematics and Physics (Chemistry Desirable) | You could work in all fields of infrastructure development, from constructing skyscrapers through to design and building dams and bridges. You could also work in regulatory and planning roles with government agencies, special consulting firms; construction companies; large public companies; government organisations which construct, manage and maintain public utilities; and financial and management consultancies.

Electrical Engineering (Hons)** | Electrical Engineering | ATAR + Application | ATAR + Application | IB Diploma + Application | 4F | Mathematics and Physics (Chemistry Desirable) | You may work with telecommunications or electricity company, with large industrial groups in fields ranging from designing to mobile phone manufacturing or with specialist firms making hi-tech biomedical or internet products and in service industries such as electricity and water, large private industrial groups, new technology firms, telecommunications and wireless electronics, internet services, biomedical instrumentation, manufacturing, and transport.

Mechanical Engineering (Hons)** | Mechanical Engineering | ATAR + Application | ATAR + Application | IB Diploma + Application | 4F | Mathematics and Physics (Chemistry Desirable) | As a Mechanical Engineer you could work in the aerospace and transport industries, power generation, railways, insurance industries, building services, railway systems design, consumer goods design and production and management consultancies.

UNSW Canberra dual degrees for non-defence students

Degree name | Majors available | 2018 Lowest rank¹² | 2019 GE Rank | 2019 IB Diploma No. of years | Assumed knowledge | Career opportunities
--- | --- | --- | --- | --- | --- | ---
Aeronautical Engineering (Hons) Science* | Maths + Physics + Aerospace Engineering | ATAR + Application | ATAR + Application | IB Diploma + Application | 5F | Mathematics and Physics (Chemistry Desirable) | As an Aeronautical Engineering student undertaking this program, you will gain experience in the design, construction, operation, and management of infrastructure and facilities, such as roads, bridges, airports, ports, harbours, buildings and all types of structures.

Civil Engineering (Hons) Civil Engineering | ATAR + Application | ATAR + Application | IB Diploma + Application | 5F | Mathematics and Physics (Chemistry Desirable) | Civil Engineers are involved in the design, construction, operation, and management of infrastructure and facilities, such as roads, bridges, airports, ports, harbours, buildings and all types of structures.

¹¹ Science and Engineering degrees are available at UNSW Sydney as well as the UNSW Canberra campus.

¹² ATAR = Australian Tertiary Admission Rank

DFR = Direct Entry to Research

° Desirable entry requirements.
For more information on Guaranteed Entry please visit unsw.edu.au/ge

The 2018 Lowest Rank is the adjusted rank (ATAR + adjustment factors, more commonly known as bonus points) that you would have required to gain entry to this degree in 2018. To see a complete picture of how UNSW offers students (with an ATAR, or equivalent) the opportunity to be considered for admission based on a combination of creative portfolios, ATAR, or equivalent. Further information, as well as exact submission dates, can be found at: artdesign.unsw.edu.au/futurestudents/how-apply/portfolio-entry

1 Audition: See UNSW School of Arts & Media Music website sam.arts.unsw.edu.au for more information on Auditions.

2 For more information on Tongji Dual Degree entry see: aviation.unsw.edu.au/tongji

3 University of New South Wales (UNSW) Art & Design and Built Environment offers students with an ATAR, or equivalent, of 50.00. You must also submit a Personal Statement. To be eligible for a UNSW Prep (17–19) program, you must be Educational Access Scheme eligible (see page 18) and have a minimum ATAR, or equivalent, of 50.00. You must also submit a Personal Statement. See unsw.adfa.edu.au/alternative-admission.

4 Application on the UNSW Canberra website. Please see law.unsw.edu.au/lat for more information.

5 See coop.unsw.edu.au for more information and to apply.

6 Co-op application, interview and minimum 96.00 ATAR, or equivalent. If entry to the degree is higher, students must meet this requirement without additional adjustment factors (more commonly known as bonus points). See coop.unsw.edu.au for more information and to apply.

7 Business Information Systems Admission Scheme is available to students who may not meet the ATAR entry requirement. Visit business.unsw.edu.au/bisas for more information.

8 Faculty application form, interview, Undergraduate Medicine and Health Admission Test (UMAT) are required for this degree. Visit med.unsw.edu.au for more information.

9 In addition to your ATAR, Aviation (flying), Aviation (Flying) requires an application directly to the UNSW School of Aviation, an interview and a CASA medical examination. For more information visit aviation.unsw.edu.au.

10 For more information on Tongji Dual Degree entry see: aviation.unsw.edu.au/tongji

11 In addition to your ATAR, or equivalent, you’ll need to complete the requirements of Defence Force Recruiting. Contact your nearest Defence Force Recruiting Office for more information.

12 In addition to your ATAR, or equivalent, you’ll need to complete an application on the UNSW Canberra website. Please see aviation.unsw.edu.au/undergraduate/non-defence/apply for more information and to apply.

13 In addition to your ATAR or equivalent, you’ll need to sit the Law Admissions Test. Visit law.unsw.edu.au for more information.

14 Please refer to proposed degree name change for Food Science (Hons), check engineering.unsw.edu.au for updates

15 Please refer to proposed study and name change within Industrial Chemistry (Hons), check engineering.unsw.edu.au for updates