

# UNSW SCIENCE SOCIETY'S 2019 FIRST YEAR GUIDE



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UNSW

# WELCOME TO UNSW

**The next few years of your life will be some of your best.**

On behalf of the UNSW Science Society, I want to firstly extend our warmest welcome to all new students and our returning society members. We are all looking forward to meeting you; to being a friend and helping you with your transition into university.

First year will undoubtedly be the most daunting time of your university life, but with the right people, help and resources we guarantee that it will be filled with tons of fun memories and new friends.

This is the first ever edition of the UNSW Science Society First Year Guide. I personally never had a guide when I was in my first year, so I hope this will be as valuable for you as it was fun for us to make it. Although much of the excitement of first year comes exploring the university by yourself, I've come across many situations that made my transition to university so much easier. Hence, the birth of this guide!

The UNSW Science Society is a society tasked with watching over all Science students, so whatever field of Science you are interested in and chosen to be part of - you're in good hands. As a constituent society we hold a wide range of events throughout the year to enrich you socially, academically and professionally. From an amazing and fun orientation camp and social events to careers workshops, we've got you covered. We wish to engage all our students with new study and to equip you all with crucial skills for your careers prospects. Be sure to stay in touch.

Studying science is now more important than it has ever before. The world is becoming more and more dependent on science to address challenges and adversity. Whether it's climate change, stopping the spread of disease or reaching beyond our planet, scientists will provide the foundations to the solutions. That's you.

My challenge to you is to give university a real go. Do something that you've always wanted to do but have always held back from. University is all about fresh starts and taking the first huge leap to becoming a better version of yourself. So get out of your comfort zone and remember everyone's university story is unique, but remember that you are not alone.

You are joining UNSW's most largest, diverse community, and I know that you will all fit right in. Get settled. Get involved. Most importantly, stay true to yourself!

With all my love and best wishes,



Philip Du  
Publications and IT Director



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# FROM OUR PRESIDENT

**Don't be afraid to make some mistakes. If you're making mistakes, it means you're still learning and growing as a person.**

First and foremost, welcome to UNSW! If you are a returning student, then welcome back! Seeing as you have stumbled across this particular First Year Guide, it is very likely that you are a first year Science student. The STEM industry becomes increasingly more important every day because it makes up the backbone of our past, present, and future lives. As a student under the Faculty of Science, you are a part of one of the most incredibly diverse and versatile communities on campus, and we welcome you with open arms.

You have probably heard some very overwhelming things about university life, because I know I certainly did. Hearing things like "every finals period is like the HSC all over again" or "any subject with group work is a nightmare" was incredibly nerve wracking. This leads to my first piece of advice: don't panic! I know that it can certainly feel like you have been kicked off the deep end. We all started in the same boat, so don't be afraid to ask questions. Preparation is key! Arm yourself with basic UNSW knowledge – hopefully this guide is a good starting point, full of information that we wished we had. It is going to be a rollercoaster ride – even if you feel like you're about to pass out, you will pull through and live to tell the tale.

This is the perfect time to step outside of your comfort zone. I know that it is a lot easier said than done, but don't be afraid to take some risks and make some mistakes. If you're making mistakes, it means you're still learning. If something doesn't work out in your favour, at least you have learned something from the experience and can grow to become a better person because of it. As cliché as it sounds, almost every person ever has experienced many failures before even tasting success. One of SciSoc's goals is to provide as many opportunities for growth as we possibly can, whether it is through offering leadership positions, volunteering experience, recruiting team members, or hosting career information events. There is nothing worse than looking back and regretting that missed opportunity – don't let it pass you by.

One important thing to remember is that everyone's journey will be different. You will meet people who will seem like they are light years ahead of you while being the same age, and that's totally fine. We all experience and achieve things at our own pace. Just because you know someone who landed a research internship by their second year doesn't make you any less of a person because you haven't. Similarly, just because your friend failed Higher Chemistry doesn't mean you will. At the end of the day, everyone is trying to find their way.

With that, if there is anything we can help you with, please feel free to reach out to us through our online contacts or in person at our events. SciSoc has always aimed to offer as much support to our members as possible. Again, on behalf of our 2019 team, welcome to university life! We look forward to meeting you and hope that you enjoy the next few years as not only a UNSW student but a SciSoc member.

Tammy Luong  
President 2019









# WORDS OF WISDOM

Hey there!

Everything will feel new. Everything will feel different. It may seem scary, but it's good – trust me. You will learn so many new things. Meet so many new people. Discuss so many new ideas. Experience things you will remember for a lifetime. Don't get me wrong – sometimes university will feel like hell. But I assure you, you will come out the other end a much better version of yourself.

There's no right or wrong way to do uni (it is completely subjective after all) but here's what I learnt during my time and hope it will help you hit the ground running. I bestow unto you my jewels of wisdom:

- 1) Keep your eyes, ears and most importantly, your mind, open. You'll come across a LOT of new ideas, perspectives and worldviews from a lot of different people. Respect them. Be understanding. You might learn something new.
- 2) You will only get out of university what you put into it – so be proactive and diligent. There's a lot of learning to had outside of the lecture theatres and labs. Grab every opportunity with both hands and milk it for all it's worth.
- 3) Whether you think you'll hate it or love it, give it a go. This follows on from the last couple of points. Be open to new experiences – they will help you develop yourself and make friends.
- 4) Please please PLEASE do not be afraid (or ashamed) to ask for help. Whether it's your tutor, lecturer, friend, classmate, CAPS (look them up), a stranger (seriously) – help is always available and you are never alone.
- 5) Join SciSoc! I know it sounds like a plug but hear me out. Science is a massive faculty (5,000+ students) and lecture audiences can be huge (400+ students), especially in first-year courses. This isn't just the case with the Science Faculty – I was in Engineering and our first-year lectures were enormous. The point is, with cohorts this size, it can be very difficult to make friends. Joining a society will connect you with people in (and outside) your degree and help you in your pursuit of new friends, experiences and lifelong memories.  
(Join ANY society you're interested in – you'll meet new people.)

**J. Cole once said "Live life, might as well, only way to learn", so get out there. Live. Learn . And then live some more.**

Gagan Jalandhra  
President 2018

# STARTING UNI PROPERLY

No matter where you are coming from, taking the right steps to transition into UNSW smoothly is the best way to guarantee that you have fun and start uni with a bang.

## zID and Email

Everyone at UNSW has their very own zID. It's going to be what you use to log into everything from myUNSW where you handle your enrolments and timetables, Moodle for all your course resources and your emails as well as accessing services on campus.

Your email looks like z12345678@student.unsw.edu.au.

You can access all your emails through <https://outlook.office365.com/>.

Note that when you login you use:

Username: z12345678@ad.unsw.edu.au.

Password: your zID password

Make sure that you set up your email early because lecturers tend to send a lot of emails in the first few weeks. You can also choose to forward your email to your own email address through <https://idm.unsw.edu.au/>

## Register for Arc

ARC stalls are everywhere during O-Week, you can't miss their bright green tents. It's free to join and you get a cool shiny 2019 sticker on your student ID card. Joining ARC is amazing because you get discounts to events throughout the year. If you can't find any stalls, feel free to stop someone in a street team green shirt and ask where the nearest stall is.

If you didn't end up signing up for ARC during O-Week, don't worry! You can visit ARC in person next to the Basser Steps.

## Register for SciSoc

The great thing about SciSoc is you don't even have to register at all. Just by doing any Science degree or course, you are automatically apart of our society! Find us during O-Week so that you can sign up for our mailing list and get an exclusive sticker to get free food and discounts at all of our UNSW Science Society events.

Make sure to also follow our Facebook pages so that you are one of the first people to grab spots at our future events.



## Enrolments

Hopefully, you've already signed up for your classes this semester. But don't worry if you haven't. All you have to do is log into myUNSW with your zID and select My Student Profile up the top. This will take you to an overview of what you've done at uni. Near the top of the left hand side is a tab that says Update Enrolments. You can select the semester that you want to add classes to.

If you are having trouble deciding on your timetable, rest easy because there are many places you can get help with making your timetable perfect for you.

There are a bunch of amazing timetable generators CrossAngles and Bojangles! It automatically creates the best timetable based on the courses you want to do and super easy to use. So check them out to make sure that you have the best timetable on campus.

Classutil is another application that you might use to get into an exact class. It shows you the number of students enrolled into every single class. Very handy if you want to be in the same class as all your friends or want the best tutors.

## Lab Coats and Safety Glasses

Nearly all of you need to get yourself a new lab coat and a pair of safety glasses to be able to attend your laboratory classes. You can purchase them at The Grad Shop, located at the top of the Basser Steps.

If you ever forget your lab coat on a day that you have a laboratory class. Don't worry! They also sell \$3 temporary plastic lab coats to get you through the day.

## Textbooks

The right textbooks can make or break whether or not you pass your courses. But textbooks are both heavy and expensive, so getting textbooks online for cheaper is the way to go.

UNSW Bookshop

The UNSW Bookshop is a one stop shop for everybody's textbooks.

UNSW Textbook Exchange

Facebook is always the go to place for everyone to get second hand textbooks, there is a Facebook group for UNSW students that you can buy.

Student VIP

Student VIP also offers discounted textbook as well. <https://studentvip.com.au/unsw/textbooks>

Zookai

Zookai sells and lends both new and second-hand textbooks at really affordable prices.

Jekkle

Rent or buy cheap textbooks across many universities / colleges in Australia.





# GETTING TO UNSW

**You don't want to be that person who rocks up late to your first class.**

With light rail construction still going on, the most convenient and cheapest way to get to UNSW is by bus. There are express buses and public buses to UNSW from Central Station every few minutes.

## **From Central**

The UNSW Express Bus is the fastest way to get from Central to UNSW. Buses are scheduled every few minutes during the morning peak. Although the morning queue always looks long waiting times are usually no longer than 10 - 15 minutes.

Eddy Avenue Stand D: 891

Alternatively there are other public buses that run from Central to UNSW as well.

Eddy Avenue Stand C: 391, 393, 395, M10  
Foveaux St east of Elizabeth St: 339  
Central Station: 372, 372  
Elizabeth Street Stand E: M50, 393

## **From Town Hall**

Sometimes it might be more convenient for you to take a bus from Town Hall.

392 | 394 | 396 | 397 | M10 | M50 | L94

## **From UNSW**

After a long day of uni, the first thing you want to do is get home and the fastest way to do that is taking the express bus back to Central.

High Street Gate 3: 893  
High Street Gate 8: 898  
Anzac Parade near Barker Street: M10, 391, 393, 395...







# SUPPORTING STUDENTS

Don't worry because there's always help every step of the way.

## Student Science Centre

Anyone is welcome to head into the Student Science Centre for any information or advice. They're there to support you with all of your questions about your studies, timetables and anything else that you can think of. They are located at: Room 128, Robert Webster Building. Otherwise call them at: +61 2 9385 6125.

## Health

Your health is a huge priority to ensure that make the best of your time at UNSW. That's why we have support on campus to help you out.

University Health Services: GPs and specialists operate on UNSW grounds to take care of you. They are located on Ground Floor, East Quadrangle Building Kensington Campus.

UNSW Counselling and Psychological Services: Everybody feels stressed out at university especially during exam periods, so if you are ever struggling with stress, depression or anxiety and need someone to talk to; counselors are available upon booking at <http://www.counselling.unsw.edu.au/>.

## Disability

Everybody gets a fair shot at UNSW, our Disability Services guarantee that no matter your circumstance, you are provided with the best support and assistance. Check out <https://student.unsw.edu.au/disability> for more information.

## International

Travelling to a new city for university can be extremely tough. For personalised information regarding your university life, student visa, wellbeing and studies visit <http://student.unsw.edu.au/international/>.

## Indigenous

Nura Gili is the Indigenous Programs Unit at UNSW, providing pathways for Indigenous students to study in all UNSW faculties and programs. They also provide a range of Indigenous student support services, tutorial and study spaces for enrolled students. Visit <http://www.nuragili.unsw.edu.au/>.

## LGBTIQ+

ALLY@UNSW is a lighthouse program that aims to ensure UNSW is a safe, welcoming place for all students and staff who identify as LGBTIQ+. They aim to make UNSW a great place for everybody by reducing barriers of fear and ignorance that lead to prejudice and discrimination. Visit <http://student.unsw.edu.au/ally>

## Financial

Financial support is always within reach at UNSW offering various scholarships, student loans and fee payment plans to students who are eligible. In addition to HECS-HELP which is available to any permanent Australian citizen or permanent residents.

# GET OUT OF YOUR COMFORT ZONE!

**Always strive to improve yourself, limits are not static**  
**Ben Liu - Vice President External**

## Start from Scratch

University is one of those major milestones in your life, just like starting High School: it's a clean slate, a chance to be a new you! It's your time to make new impressions, test out new things, and really take big steps towards the person you want to become.

## First Year Camp

One of the biggest parts of starting university is you're going to be out of your element, and surrounded by strangers. So why not start off by making those strangers your friends! First year camp is a great way to meet, greet and really connect with people. It's a couple days of games, fun and maybe a little drinking. A weekend away and you'll come back with good friends and great stories.

## Join Societies

Wanna branch out and get new experiences? Societies are just for you! Societies and their events are a great way to meet new people and to explore your interests. Want to party and dance? There are societies for that! Want to build, cook or create something? There are societies for that! And if you want to develop yourself and have a team that will become some of your closest friends: take the extra step and join the society's team itself. It is really an unforgettable and rewarding experience, and the more you put in the more you get out.

## Stay in touch

Unlike in High School, the people you meet won't always be around you every day. If you want to make good friends it means you have to put in the effort. If you meet someone who you get along with, take the time to talk to them and try and set up regular meetups with people. Don't be scared, everyone's in the same boat as you and will really appreciate it when you put in the effort to set up outings. Good friends are irreplaceable, so stay active and push yourself to be more social, meet more people and stay in touch.





# SCIENCE STUDY TIPS

**Make the most of your time and study the right way!**

**Julie Zhu - Vice President Internal**

Studying isn't always the most natural thing that comes to us, especially with all the parties and fun at our fingertips it almost seems impossible to be motivated to study. But here's a few tricks for those whose minds have been mysteriously wiped after HSC.

## Pomodoro Method

That hard five hour cram and nothing is sinking in?

Realised that you can't really focus while studying in two hour blocks?

The truth is, we're not designed to focus strenuously for long periods of time especially with the advent of technology. To best maximise the period of time studying, and yes actually studying.

Many researchers recommend studying in 25 minute blocks and then having subsequent 5 minute breaks. That way not only are you constantly giving your brain a break, it's also important to give yourself a break so that your body can recover from all that hard work! There's a lot of nice apps to help aid you with this such as Forest, available to iPhones and Androids.

## Changing Study Spaces

Realised that you're bored of staring at the same white wall you have your whole life?

Changing study spaces is great at keeping yourself motivated and also helps our brain retain information better. This is due to the fact that your brain has to adjust to that new environment and through that your brain has to study harder that new environment.

## Don't be afraid to ask for help!

It seems so cliché but truly you really won't get anywhere in life if you don't ask for help! University might seem scary at first, no longer do you have teachers with only 30 students. Or are in the same classes with the same cohort for 6 years. But one thing amazing about UNSW is the amount of support they provide you throughout your university career. From duty tutors for first year chem students all the way to lecturers in third year dealing with persistent emails.

Academics at UNSW are always willing to help students excel and always have an open channel. Interact with them! Ask them for help! Not only will this help you learn but you will feel less overwhelmed especially when exams hit.



# FITNESS AND LIFESTYLE



**You Only Live Once.**  
**Alex Lee - Treasurer**

## **Perfectly balanced, as all things should be...**

Finding the balance between university life and fitness is definitely a challenge for most of us. Neither of these should take precedence over the other as having a healthy mind is just as important as having a healthy body (Unless you have an exam the next day and you haven't studied lol)

Balance ultimately comes from being able to plan realistically and efficiently. University work can pile up very quickly if you aren't organised so take the time to sit down and plan out your days/weeks.

## **Benefits of Exercise**

When you exercise, your body releases chemicals such as endorphins and serotonin which essentially improves your mood and reduces symptoms of depression, anxiety and other mental health issues. Thus, physical exercise results in good mental health.

Exercising pumps blood to the brain and increases the size of the hippocampus (the part of the brain responsible for memory). Stimulating blood circulation to the brain should make you think more clearly and therefore improve your study sessions.

Exercise also contributes to a more sound and restful sleep, increasing the time spent in deep sleep.

## **Just Do It (swoosh-skrrt)**

Exercising has so many added benefits to not only your physical health but also your mental wellbeing. If a gym membership isn't affordable you can just exercise from home so there are no excuses! It's more about consistency rather than intensity. If you find it hard to motivate yourself to go consistently, try schedule your exercise sessions with a friend. You'll start enjoying going to the gym a lot more if it means you aren't suffering alone! Jk







# HOW TO LOOK AND FEEL YOUR BEST AT UNI

## **You can never go wrong with all black!** **Swaetha Vasudevan - Marketing Director**

University is a challenge itself, then you factor in studying, societies and on top of that you have to include trying not to wear the same outfit 5 days in a row. Hence, I bring you tips and tricks to help you out as you start at UNSW!!

### **Outfits**

Although you might want to make an impression with your peers don't be afraid to rock up in trackies or your PJs (it will eventually happen by the end of semester). The most common outfits range from light shirts and shorts in summer to society hoodies (definitely recommend getting a scisoc one) and jeans in winter. If you're on a budget don't forget UNSW bookshop gives out free shirts to 1st year students during O-Week. Similarly, unidays is a popular site that allows universities to get discounts at shops such as asos, iconic, showpo etc!

### **Makeup**

Most of us don't have a lot of time to get ready in the morning, so if you're in a rush like I always am, feel free to follow method; Coloured BB cream, followed by a concealer and blended out, light shading on eyebrows and highlighter everywhere.

### **Skincare**

It's important to rejuvenate and treat your skin well at all times. One of the most popular methods is the Korean Skincare Regime. To summarise the steps follow, cleansing, exfoliating, toner, essence, serum, facemask, eyes, moisturising, sunscreen. Although it's hard for to recommend actual products as everyone has different skin types there are heaps of resources online to help you out. Beyond this it's really important to eat and sleep well and to stay hydrated.

It's really scary starting university but don't forget to stay true to yourself and always feel comfortable with what you're wearing. It will definitely get easier as time goes on to fit in and work out your style but in the meantime have fun and happy glamming xx







# WHERE TO EAT

Choosing where to eat every day is always the hardest choice.

## Upper Campus

### Stock Market

Stock Market is a serious contender in the realm of UNSW's upper campus. It boasts a great selection of soups, pastas and DIY salads which are always popular with the university students.

## Middle Campus

### Quad Food Court

This place is one of the nicer places to eat at lunchtime on campus, especially if you're unsure of exactly what you want to get, as they have a variety. The food is pretty well-priced, though it does get really crowded and the wait can be quite long.

## Lower Campus

### Stellini

Stellini's is a pretty reliable go-to for a lunch time feed while on campus. You trust them to produce the perfect al dente pasta over and over and over again. You can taste the freshness in ingredients.

# WHERE TO GET COFFEE

Everybody needs a little caffeine from time to time.

## Upper Campus

### Biblio

Biblio is by far the best coffee that you can get when you are upper campus, less than a minute walk from the Library. They also have a ton of quick brekky options like their bagels as well as their banana bread are all super bomb.

## Middle Campus

### Coffee on Campus

Coffee on Campus is an amazing place to come for a quick coffee in the mornings or to study in a relaxed, pretty environment. Just try to avoid the morning traffic after 9am lectures at precisely 10am. Run here at 9:55am and it'll save you quite a bit of time, trust me!

## Lower Campus

### MAZE

MAZE is the best coffee on campus hands down. Visiting Maze is a daily ritual for most of the team, it's our coffee oasis. Nothing like a good coffee from a couple of good looking roasters to break up an otherwise fairly monotonous day of study.





Trimester 1



Trimester 2



Trimester 3



Medical School  
Admissions Seminar

GAMSAT Essay  
Workshop

TBA

Don't Miss Out! We're running **FREE Events** each trimester in partnership with the UNSW Science Society

**Medical School  
Admissions  
Seminar**

Our Med Student Tutor covers everything from the GEMSAS admissions process to different Med School criteria & milestones

To learn more visit  
our FB Page or:  
[gradready.com.au/gamsat/events](https://gradready.com.au/gamsat/events)

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## Upper Campus

### UNSW Library

The UNSW library is the go to study spot for everybody, everything from shared rooms, benches and silent study booths. There are even bean bags that you can have a quick power nap before you start studying again.

### Biological Sciences

The newly refurbished Biological Sciences building also has many study tables as well, most of them paired up with comfy lounge chairs.

## Middle Campus

### Goldstein

If you are looking for somewhere to study, Goldstein is a great option - close to the 893 bus line and the Quad food court.

### Ainsworth Building (J17)

The Ainsworth Building is another amazing place to study, with three levels of study tables - it is perfect if all your classes are in the middle campus.



# WHERE TO STUDY

Finding someone where to study can be hard sometimes.



## Lower Campus

### Hilmer Building

The new Material Sciences Building has a sleek modern design, perfect for simulating the mind into a study mood. The Material Sciences Building has everything; Comfortable seats, power points and glass walls. There are multiple levels which you can access and offers students with a range of study rooms, rows of tables and couches to study.

### Australian Business School (ASB)

The ASB building is the next most popular place to study after UNSW Library. Unlike the UNSW Library though, the rooms are sound proof. Another big bonus is the abundance of power points.

### Tyree Building

Tyree has two levels of study spaces, mix between chairs and booths. It's also only five minutes away from Maccas, if you ever feel like a cheeky pack of 24 nuggets.

# SCIENCE MAJORS

So so sooo many majors to choose from. Which one will you pick?

## Anatomy

The study of the human body from the arrangement and function of the bones, muscles and internal organs, together with their blood as well as embryology and the nervous system.

## Bioinformatics

Bioinformatics is all about applying the discipline of computer science and statistics to the data of molecular biology and provides a computational framework to analyse and generate new knowledge in the life sciences.

## Genetics

Genetics is the study of the variation between living things and how this variation is inherited. This includes studies of gene regulation, development and evolution along with genetic disease detection, prevention and treatment in humans, animals and plants.

## Molecular and Cell Biology

Molecular Biology involves looking into the still unknown inner workings of cells, the building blocks of life. If you'd like to log hours in a lab and use advanced equipment to help advance the understanding of how cells work, studies in cellular and molecular biology could be for you.

## Ecology

Ecology is the study of the relationships between living organisms. Focusing on understanding the vital link between plants and animals and the world around them.

## Biology

Biology is the study of life and living organisms, offering expertise in the fields of botany, ecology, marine biology and zoology. Including physical structure, chemical processes, molecular interactions, development and evolution.

## Biotechnology

Biotechnology can be defined as the use of various biological processes to make products and perform services. The essential feature of biotechnology therefore is the use of biological processes based on living cells and biochemical macromolecules.

## Chemistry

Chemistry is the study of matter and the chemical reactions between substances. It is also the study of matter composition, structure, and properties. Matter is essentially anything in the world that takes up space and has mass.

## Food Science

Food Science involves understanding of fundamental sciences and the application of this knowledge from paddock to plate. The study of production, handling, processing, preservation, distribution and marketing, through to consumption and utilisation.

## Geography

Geography is the study of social and environmental relationships. The cultural significance of geography lies in its contribution to an understanding of the total environment.



## Earth Science

Earth Scientists study the nature and evolution of the structure of our planet, covering everything from fossils to the powerful forces that move continents.

## Mathematics

Mathematics is an ideal subject for people who enjoy abstract thinking. Mathematics is the study of the relationships between numbers, quantities, and magnitudes.

## Physical Oceanography

Physical Oceanography involves an understanding of the mathematical equations that describe fluid flow, and how these are used in the context of the ocean.

## Statistics

Statistics has been designed to ensure that graduates are well trained in three key areas: probability and stochastic processes, statistical inference and modelling, and modern statistical computing methods.

## Materials Science

Materials Science is a broad-ranging discipline which applies the principles to the development of metallic, ceramic and polymeric materials and to their manufacture into goods.

## Microbiology

Microbiology is the scientific study of the smallest forms of life namely, bacteria, viruses, archaea, fungi and protozoa. Many foodstuffs, beverages, and pharmaceuticals are products of microbial action.

## Marine and Coastal Science

Marine and Coastal Science looks at all aspects of the marine environment. Look at life on the shore and in the oceans and estuaries, and study the structure and topography of the ocean floor.

## Neuroscience

Neuroscience introduces biological and behavioural aspects of the nervous system. It involves how the nervous system develops, its structure, and what it does.

## Pathology

Pathology is a scientific discipline which involves the study of diseases, such as infections and cancers, at the genetic, molecular, cellular, and organ levels.

## Pharmacology

Pharmacology is the branch of biology is the study of drugs as any man-made, natural, or endogenous molecule which exerts a biochemical or physiological effect on cells.

## Physiology

Physiology is all about what makes human bodies work - how the organs function, humans grow and develop, humans sustain bodily functions and what happens to these processes during disease and ageing.

## Physics

Physics is the study of the laws of nature that govern the behaviour of the universe, from the smallest subatomic particles. It applies these laws to the solution of practical and theoretical problems.

## Psychology

Psychology is a broad field that includes brain-behaviour relationships, the processes of perceiving, learning, memory and thinking, the assessment of abilities and attitudes, and the origins of personality.

## Vision Science

Vision Science is the study of the sensory processes that underlie vision and understanding of vision-related technologies. Learning about optics, anatomy and functioning of the eye.

# SCIENCE BUILDINGS







Mathematics - **Red Centre**  
Medical Science - **Wallace Wurth**  
Biology, Earth and Environments - **Biological Sciences**  
Psychology - **Matthews**  
Chemistry - **Hilmer, Dalton and Chemical Sciences**  
Physics - **Old Main Building**  
Vision Science - **Rupert Myers**





# SCIENCE SOCIETIES

**There's a lot of us out there and we are all here to help.**

## **Women in Science (WiS)**

The Women in Science Society is a gender-inclusive group of staff and students passionate about supporting women in their science-focused endeavours. WISSOC is a new society formed in 2018 by a group of like-minded UNSW Science Students with the intention of building a safe place for the discussion of shared experiences and hosting career-building workshops. Even though there are more women undertaking science than ever before, the percentage of women getting to professorial levels in academia is less than 15%. We are striving to be a part of a movement to change these statistics for women and other minorities in industry and academia. In 2019, our society will hold skill-building workshops, networking opportunities, and introductions into the discourse surrounding gender issues that arise in STEM studies and careers.

## **Students of Advanced Mathematics and Science (SAMS)**

The Students of Advanced Mathematics and Science (SAMS) is the UNSW society for students studying advanced maths or science. As a society, we aim to support our students by running a variety of academic and career-based initiatives. These include networking events and career evenings with a variety of lecturers and company representatives from different industries. Recently partnering with CSIRO's Data61 Ribit for the 2019 period, it has brought access to exclusive masterclasses, lab tours and exposure to a large network of professionals. We also aim to provide a social side for our members, helping to foster relationships between students and to provide an opportunity for fun and relaxation to help balance out the stress of uni. Our events include the famous SAMS yearly Cruise, Combined Science Party (cohost), Karaoke, Board Game Night and much more. Visit UNSW SAMS at <https://www.facebook.com/unsw.sams/> if you are at all curious for more info.

## **UNSW Aviation Society (AvSOC)**

The UNSW Aviation Society (AvSoc) is a constituent club that works closely with the School of Aviation to primarily cater to students completing the Bachelor of Aviation (Flying, Management and Graduated Diploma). At AvSoc, we run social events such as BBQs, party buses, road trips to aviation airshows, drinks at Roundy (the university bar) and an end-of-year ball. We also run educational and professional events such as our annual Careers Expo and an Aviation International Study Abroad Program (AISAP) designed to provide students the opportunity to network and experience the world of aviation outside university. Our partners and sponsors are highly influential in the aviation industry. They include, but are not limited to; CAPA - Centre of Aviation, Menzies Aviation, Qantas, Qatar Airways and the Royal Aeronautical Society. It is highly recommended for all students studying the Bachelor of Aviation to join and get involved with AvSoc! Find out more about AvSoc: [www.facebook.com/unswavsoc](http://www.facebook.com/unswavsoc).

## Biotechnology and Biomolecular Sciences Society (BABSOC)

BABSOC is an active and vibrant society for students interested in biotechnology and biomolecular sciences. We're excited to help new members meet people with similar interests, develop their academic and professional skills and have a blast while at uni. We host an extraordinary career night, interview and resume workshops and weekly study sessions to help our members get ready for their professional lives after university. We also like to have fun, with events such as a combined society cruise, fungal and resin art workshops, and high teas, there is a social event to fit everyone's taste. If you're looking for something to spruce up your resume, why not try out for one of our many subcommittees, and truly get involved with the society! Check out our Facebook: <https://www.facebook.com/babsoc.unsw/> to stay up to date with our awesome events.

## Data Science Society (DataSoc)

From solar panels to stars, fashion choices to economic trends, data encompasses almost every aspect of our daily lives. At UNSW Data Science Society, our goal is to discover how data shapes the world around us. We offer an open community platform to connect, educate and empower students with the skills to unlock the power of data science. Partnering with industry professionals from IBM, Adobe, Servian, CBA and SAS and many more, we run career and educational events. We also offer insightful artificial intelligence workshops as well as numerous social engagement opportunities for our members. Find out more about us at: <https://www.facebook.com/DataSoc/>

## Physics Society (PhySoc)

The UNSW Physoc is your friendly, neighbourhood physics society! We aim to nurture relationships between like-minded students and faculty members in a community bound by a love of all things physics! We run a combination of academic and social events, including talks by students, lecturers and current researchers, networking events, revision workshops, barbecues and our famous End of Session Dinner. We also have a common room - OMB LG032 - with computers, whiteboards, couches, textbooks and a kettle: everything for the aspiring physics student! Find us on Facebook: <https://www.facebook.com/UNSWPhysocSociety/>

## Psychology Society (PsychSOC)

PsychSoc is the society for undergraduate students from all disciplines studying any psychology subject. We are dedicated to providing students with opportunities for social, academic and professional development at every stage of their degree.

Our social events, such as our First Year Camp, Pubcrawl, and Switch n' Board Games, allows you to make friends within and outside of your cohort. For some extra academic assistance, we've got you covered with our practice exams, various workshops and Peer Assisted Learning sessions for the statistics courses. PsychSoc also hosts a series of career-events such as Meet the Alumni night, Careers Pathway Panel and the Careers Fair to inform you about where a background in Psychology can take you by meeting and learning from established professionals who are psychology graduates.

You can find our first-year psychology specific guide and further details about our events at [unswpsychsoc.com](http://unswpsychsoc.com). For the latest event updates, be sure to join us on Facebook (@unswpsychsoc)!





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Internships run overseas for 4, 8, or 12 weeks

**Winter:** June, July | **Summer:** Dec, Jan, Feb



*Spending a month in a developing country to work on a social enterprise isn't something most people get to do. I did this because I wanted some 'real world' experience, to grow personally and to simply do something good.*

*What our team achieved on our project in just one month felt like a huge step towards something that will one day change the lives of Timorese farmers by giving them better access to agricultural solutions through technology.*

**JUSTIN MARSHALL**

B SCIENCE (ECOLOGY) | TIMOR-LESTE 2018

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- Iterating on prototypes and business models
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- Undertaking product testing and making sales with the local community

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**APPLICATIONS NOW OPEN**



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# '19 SCIENCE SOCIETY TEAM

## Tammy Luong (President)

Tammy is a fifth year Commerce and Science student who has had quite the long winded history with SciSoc since joining the team in her first year. Her solid background in customer service may have frozen her demeanor, but you can rest assured that her soul is warm and friendly. Tammy is deeply interested in hobbies that she cannot financially support, such as musical theatre, photography, and cars. Whether you want to talk about Sydney's excellent weather, how good IKEA meatballs are, or even about your campus crush, her inbox is always open.



## Julie Zhu (Internal Vice President)

While a keen Science and Commerce student who's hidden in quiet spots on campus, Julie loves to spend time with others and socialising with her friends on campus. She's also an avid photographer so you'll always find her with her Polaroid ready to snap a photo and capture a memory! Otherwise you'll find her deep in Subway ordering all the avocado toast and cookies she can. If you're bored on campus or alone, she's always one to hit up for a study buddy unless she's chasing after the cute dogs on campus!



## Benjamin Liu (External Vice President)

Ben is a big nerd with a big heart! While he seems super lost and clueless all the time, he's pretty down to earth and willing to talk about just about anything. Ben studies Maths & Comp. Sci (Like a nerd) and loves food, but has a couple extra stomachs for dessert. So of course, he's also very into cooking and baking (though no one alive's ever tried any). Ben's also been on his Ls for about 4 years so probably swerve if you see him on the road. If you wanna chat about life or need someone to game with, hit him up!





### Alex Lee (Treasurer)

"So vote for me as your treasurer so I can treasure all of you"

Alex is a second year student studying a Bachelor of Data Science and Decisions. He may seem like your typical LB but underneath that Tommy Hilfiger Jacket and Burberry scarf he is a very gentle and kind boy. If you ever need anyone to talk to at 3am on a weekday he'll probably be online procrastinating so don't be afraid to shoot him a message! Alex loves going to the gym. You'll often find him at the bench spending more time on his phone rather than actually working out.



### Hattie Hua (Secretary)



Hattie's ... started her second year as a Commerce and Science student, majoring in Psychology so watch it before she reads your mind. Catch her procrastinating at the all the .. locations on campus, sometimes you might even see her carrying a cello bigger than her (she plays in the orchestra!). Otherwise, she'll be hitting up Sydney's newest spots like tourist. fulfilling her tastes in jazz music, delicious eats, anything nerdy and pretty sights. Shoot her a message if you ever want an ear to listen and she may even be down to show you some cool spots around town.

### Dong Xing (Arc Delegate)

Dong is a man of many passions and interests. You can catch him at any time playing the guitar, cooking up a feast, running around the city taking photos or out drinking with friends. He loves chatting and making friends and is really easy to talk to if you ever want to hit him up. He loves talking about literally everything, especially when his lit on 2 shots of soju (just don't mention the GFC). At his core, he is a really caring guy who loves listening to all your problems and is always willing to help out if you need him. Just don't ever ask him for a lift if you want to make it back home unscathed.



## Philip Du (Publications and IT)

When he's not skating around Sydney listening to Ariana Grande on repeat, Philip can be found exploring the greatest tastes that the city has to offer! An avid foodie and third year Computer Science student, Philip's bubbly and approachable personality makes him the perfect person to reach out to! You can always be guaranteed to spot Philip around campus in his signature short shorts; even in torrential rains and winter winds. Being put into Gryffindor in every single Harry Potter house sorting quiz, Philip is someone that you can trust to brighten your day. He's always out with friends, you will never find Philip just chilling at home. So if you are ever on the 891 to university and you heard someone singing out loud without realizing that's probably Philip.



## Swaetha Vasudevan (Marketing)

You can always find Swae holding a bubble tea wherever she goes ever since working at Chatime.

She's not your typical pathology major, being a creative spirit and always ready to channel that into her wild makeup looks. For tips on the best blending tricks and beauty products, hit her up. Best of all, she always willing to share millions of pictures of her twin labradors. If you need someone to sing One Direction. She's the one!

## Rachel Liang (Events)

Rachel is passionate about creating initiatives and projects that change the world. She can be found almost everywhere, as she's involved in multiple societies and extracurricular activities. Amidst her networking events and work, she's out and about with friends, trying new restaurants and bars.

Specifically, she loves desserts so if you ever need recommendations for your next patisserie crawl, hit her up! Some of her hobbies include baking (if it wasn't already obvious), event management, coding, dancing to k-pop, and cooking. Rachel can be spotted by her silver hair and black army coat around campus.



## Kevin Zhu (Careers)

Enthusiastic about empowering science students across UNSW, Kevin is our resident careers director, sending our next generation of scientists out to revolutionise the world. While he is not out leading conversations with sponsors, at work during the day or catching up with uni at night, he is either coding his latest project or pursuing his photographic adventures. He also loves enjoying food of all

different cuisines and travelling the world outside of being a passionate second year computer science student. If you ever want tips on careers, tech, or finance, feel free to strike up a conversation with him. His words of wisdom: play the game.



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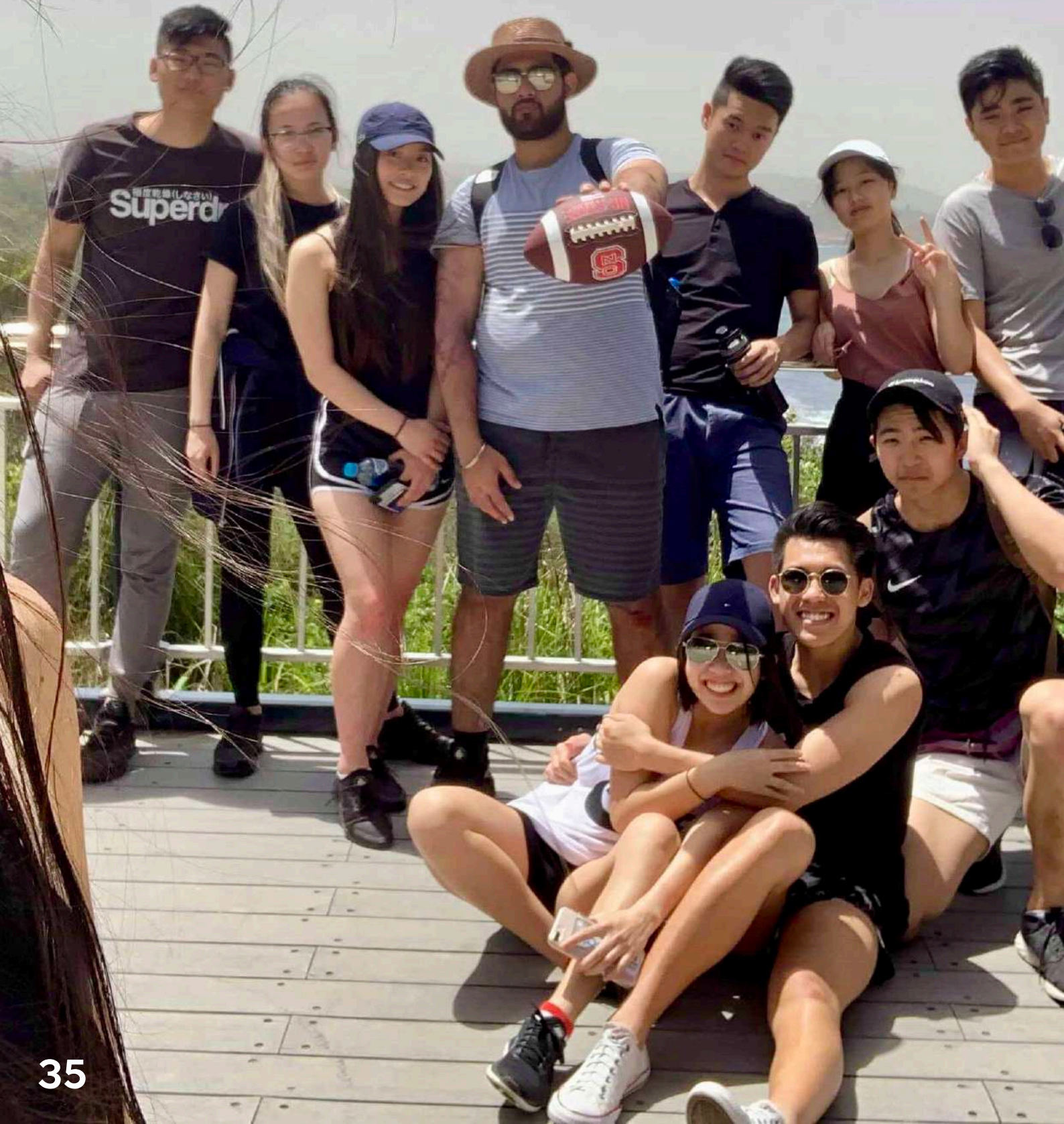
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# JOINING THE TEAM

Don't miss out on a chance that comes only once every year.  
Hattie Hua - Secretary







Hopefully after reading this guide you've gained a better understanding of how to navigate first year, but more to that, joining the SciSoc team is a sure fire way to obtain the most out of university life!

After attending SciSoc camp in my first year of uni I met an amazing group of passionate individuals that truly wanted to help the science students. And it was true... Joining the team was one of the best decisions I made...

As a first year, you'll be part of the subcommittee which involves planning, managing and running all the events that SciSoc holds including our large scale flagship ball and cruise, as well as the intimate university culture events. You'll be taking on tasks such as making budgets, assigning roles to teammates, greeting guests, designing marketing materials and liaising with external parties. Overall, the diverse range of skills you'll learn are extremely versatile and can applied to various other aspects of your life which includes for future career opportunities.

We are looking for organised, resilient, motivated and hardworking individual that's also a great leader and teammate, and hopefully you are only able to improve after joining the team and working with us! There are definite perks too! You'll meet a group of like minded individuals that'll share your keen interests and also want to help the student body and also plenty of opportunity for you to meet even more people. Get excited to know this group of people through team meetings, countless food runs, roadtrips, they'll become some of your closest uni friends!

Here is the process;

1. Follow our Facebook page and join our group to be notified about the details
2. When the applications are open, take your time completing it
3. Submit your application before the deadline
4. Check your email in a week or two and find out the outcome
5. If you have passed the written application process, you will have an interview
6. Attend your interview, single and group activity
7. Check your email in a week to find out the outcome
8. If you have passed the interview process, Congratulations!
9. Attend an induction and welcome to the team!
10. At the end of the year, try out for one of the directorship or executive positions!

Don't be shy and ask us any questions you have!





UNSW Science Society



scisoc.unsw@gmail.com



www.unswscisoc.com

