Welcome

Welcome to the 2019/2020 Monash Science Society Careers Guide, just a helping hand to assist you along your extensive yet exciting university and career journey!

The Monash Science Society Careers Guide has been carefully constructed to provide you with essential information, tips, tricks and advice relating to your career whilst at university and extending into the workplace. Whether you know your future career or university path or you’re a little unsure, this guide will help provide not only guidance but also encouragement along this journey.

Expect just about everything in this guide, including student perspectives, company profiles, information on constructing your university degree, employability advice, social media tips and much more! Be prepared to build your networking and employability skills, get a better idea of what you can do with your degree as well as getting insider information from possible future companies!

We’re very lucky here at Monash University that there is a myriad of opportunities, from being involved in clubs and societies, to being on leadership programs, from volunteering to being able to attend both academic and social events on campus.

With help and advice services such as Monash Careers Connect as well as the Science Student Services (and don’t forget your lecturers and peers!), help is never far away at Monash.

We hope that this guide will facilitate your career outlook and help you to fulfil your future ambitions, goals and dreams. Remember to take every opportunity that comes your way, meet new people, experience new things and don’t be afraid to ask for help.

From your current Careers Publications Officers, we hope you embrace your new chapter at Monash University and we wish you the best of luck with your studies!

Ellecia Baker and Daniella Conser
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Message from the President and Vice-Chancellor

Over recent decades Melbourne has emerged as an international centre for scientific discovery. Monash University is at the heart of many of those greatest advances.

From the World Mosquito Program to our collaboration in the discovery of gravitational waves, creating biosecurity controls to protect ecosystems to developing artificial photosynthesis for clean fuels, Monash is committed to the advancement of human knowledge and to expanding the scope of opportunities for the next generation of scientists.

Monash’s culture of innovation, state of the art facilities, including the New Horizons and Green Chemical Futures buildings, and proximity to industry leaders through the Clayton Innovation Cluster have attracted some of the most talented scientists in the world.

But excellence in higher education does not come from good teaching alone; it requires making sure that students have the best possible preparation for their careers when they graduate. Direct engagement between students and industry has now become a signature of the Monash science degree. Our placement, scholarship and internship programs offer you the chance to participate at the front-line of scientific research, both on campus and with external partners.

There has never been a better time to study science at Monash. I encourage you to make the most of every opportunity you encounter.

Professor Margaret Gardner AO
President and Vice-Chancellor
If you are reading this, thank you for taking the time to pick up the MSS Careers Guide! The careers space can be daunting, and the sharing of experiences from groups like MSS is an invaluable resource for students like you. So read ahead carefully and make the most of the advice, opportunities and resources you find – it all comes from people have been in your shoes before.

Your engagement with MSS and the MSA should not stop here though. There is an abundance of opportunities for you to engage with university life beyond the classroom and truly make the most of your time here at Monash University. MSS and MSA are here to deliver and compliment your student experience. With free food, advocacy and academic support, volunteering, leadership opportunities and heaps more.

If you want to get involved, check out MSA Volunteering which offers leadership opportunities across 14 student-led programs, one of the 113 MSA Clubs and Societies including MSS, Monash Uni Student Theatre, Non-Residential Colleges, to list a few.

Congratulations again to MSS for producing this guide and being such an integral part of campus life for students in the Science Faculty.

Henry Fox
Hello all, my name is Mary and I’m one of the first year representatives for MSS! I’ll be sharing some useful tips and tricks I found that really helped me start uni.

1. Actually attend your lectures! This insures you stay up-to-date and it also forces you to only take the required amount of notes and no extra. I also found that going to lectures meant that I got more of the content compared to if I was watching at home (I would have been on my phone or easily distracted). Being in the actual theatre forces you to focus on the content.

2. This next one, I consider a life-hack. It’s about syncing your Monash calendar with your Google calendar. I had all of my lectures, labs, workshops and classes in and no, I didn't have to enter them individually. THIS LINK https://www.monash.edu/esolutions/email-collaboration/google-calendar, scroll down to subscribe to calendar feeds and you can get all your classes automatically!

Additionally, I also entered whenever my quizzes, assignments and lab work were due. I also made sure to note down how much they were worth and I set notification reminders for major assignments a week or two before. This means no constant flipping through unit guides! Having everything all in one spot is amazing for any messy/busy/stressed student as I was.

3. You have to make sure to do the pre-work before classes, otherwise they can feel like a waste of time. This also makes classes more enjoyable as you’ll be consolidating and learning about the applicability of the information. This is so much better for the way our memory consolidates information.

4. Probably one of the most important aspects I will write about is what really permitted success for my academic related affairs. Being organized with notes, tutorials, labs and lectures is not enough, you need friends to help you get through and wholesome people you can study/cry/banter/chat with. There are so many ways to meet people on campus. I did this by striking a conversation with the person next to me whether it be in class or waiting in line for something in o-week. Of course, social events by clubs are also great ways to meet people, especially MSS events! Additionally, don’t be afraid to go to an event on your own. You’ll find other people in the same position especially early on in the year. The more times you speak to people the greater the chance that you’ll find someone you actually click with so you’ll be sure to find someone you’ll CLICK with!

5. Last up, seek support if you need it. Many first years think university doesn’t offer enough support for students. This is entirely false. In university you do get assistance BUT you have to ask for it. At the start of every unit your lecturer should announce consultation times or help sessions you can drop in to for questions/queries about content/assignments/content. Drop in and ask any questions you might have about either assignments or the homework. Moreover, you can post in your Moodle forums if you can’t make those times and the academic staff are inclined to respond (it’s literally part of their job!).

Wishing all students the very best,

Mary Ameen
My third year (and final year) as a Monash Science Student, majoring in Earth Science and Chemistry, has brought unforgettable experiences, opportunities and highlights, which I am forever grateful for. However, my entire journey as a Monash student, from first year to third year, has been incredible beyond words. The supportive environment and the inclusive nature of Monash has given me the opportunity to follow what I’m passionate about and encourage discovery into other areas I am interested in. I have not only grown as an individual but have been given the opportunity to excel in my field, a quality which is highly prized in the working world.

Looking at my former years at Monash, I wouldn't change my units, nor my course. I wouldn't change my timetable (despite going in 5 days a week in first year) or my work ethic. However, what I would change is how I engaged in university and how I got involved in events at Monash. There are endless amount of events with numerous clubs and societies which you can get involved in. From the Monash Science Society to the Monash Muggles, from the Vegan Society to the German Club, there is something for everyone. What's really quite special at Monash is the ease in which you can be involved in these clubs and societies. Trivia nights, Society Balls, Movie nights, free BBQs and many more events are available for every Monash student and they are an incredible way to meet new people and form friendships that may stay with you throughout university and beyond. Be brave and join clubs and societies you identify with and you never know where it might lead.

As a first year student I thought the change from high school to university was huge, not just the sheer size of Monash but also the flexibility of my timetable, the foreign environment and all the new faces which I'd soon learn would take the journey with me. What really made the transition from high school to university relatively stress-free was the ability to make friends in each unit I was enrolled in. Don't be afraid to say 'hi' and introduce yourself to the person sitting next to you in a lecture because this small exchange provides a familiar face and someone you can sit with in future lectures and workshops. Monash also has fantastic support services on offer such as English Connect and Science Student Services which aim to help your transition to be as easy as possible.

My final year is not just exciting but also daunting knowing that next year I may be in the workforce, undertaking Honours or having a gap year. To improve your chances of being accepted into a Graduate Program or Honours, hard work, drive and determination are three key ingredients in being able to successfully take the next step after graduating. Yes there is the saying ‘P’s get degrees’, however striving for the best marks that you can possibly get is what differentiates you from the rest of your cohort.
For many, research is not their ideal pathway after completing their undergraduate degree, rather applying for graduate programs in your chosen field is more ideal for their career progression. Whatever your choice is, make sure it’s something you want to do, not what others think you should do.

That is probably the my best advice I would give to any student starting university or making an important decision in your life; do things you are want to do and what you’re passionate about because despite what others say, it’s your choice and if you follow your interests that’s the best thing you can do for your career.

Another area of Monash students should capitalise on is the numerous programs and opportunities on offer. Programs such as the Science Peer Mentoring Program, the Science Future Leaders Program and the Science Ambassadors Program are very rewarding and they look great your resume. Involvement in programs like these as well as applying yourself in your university work are admired by recruiters and employees, which is essential when finding employment outside university. Other opportunities such as Monash Study Abroad also give students the chance to study overseas in a country of interest, which is beneficial for student development and discovery.

As a third year student, my experience at Monash has been fantastic. From the helpful and inspiring lecturers to the amazing friends I’ve made, to the wonderful field trips I’ve been on and the inclusive and supportive environment at Monash. I really can’t fault my journey and I hope that your journey, whether you are just starting at Monash or you’re a couple of years in, is just as remarkable and exciting as mine has been.

Ellecia Baker
You are in good hands here at Monash – one of the world’s top universities, filled to the brim with opportunities. At its core, a university’s role is to educate its students, and as a student, you represent the university’s most important stakeholder. Most of your teachers will place great emphasis on their teaching, taking on your feedback and improving the educational experience. As you walk across campus, you’ll see construction popping up around every corner – new buildings created to facilitate innovative teaching spaces and active learning.

Yet, despite the university’s emphasis on the student experience, there may be times when things get challenging. Uni is far less ‘hands on’ than school and sometimes it gets difficult, especially if a lecturer doesn’t have time for you or if you’re not given the preparation you need to succeed. If you’re having difficulty in a particular unit, or with your course more broadly, come speak to the MSA Education (Academic Affairs) Department. We represent students’ academic interests and we work with your MSS representatives to ensure Monash remains student friendly.

Don’t forget that academics are usually your friend. They welcome your feedback and we encourage you to give it. But if changes aren’t being made, or if you just want to chat about education at Monash, the MSA has an open door policy. If you’re facing challenges, we’re here to help, and if you have ideas about improving the student experience, we’d love to work with you.

See you around!

Joe Friedman and Cherie Fung
Changing degree from Medicine to Double Degree in Education and Science - Sophie Zhou

I am currently in my second year of a Bachelor of Education (Secondary)/Bachelor of Science degree at Monash and thoroughly enjoying every aspect of it. However, I was initially studying Medicine for my first year at Monash. I enjoyed the content and found it very interesting, but I did not feel like it was the right career path for me. Through experiencing some placement opportunities during my first year, I realised that despite my passion for health, it was not quite where I could see myself working full-time as a career. So, I decided to transfer courses at the end of my first year. I loved my experience at school and had been doing some tutoring as a casual job, which I really liked. So, I thought that being a teacher would be something that I would enjoy, and I could choose to teach subjects that I was passionate about (science). After doing some research online about courses, I found the course that I am currently studying, and thought it was the perfect combination of my interests.

The process of transferring courses was as easy as possible. The Monash University website was extremely comprehensive in detailing the requirements for applying and had links to all the relevant websites needed. Especially because I was already studying at Monash, it was a straightforward process in applying for an internal course transfer. The various student services, such as Monash Connect, were also really helpful in ensuring I had done everything I needed to. When I got my offer for my new course, it was a great relief that everything had run smoothly.

Starting my new course, I was excited to immerse myself in it. I enjoyed all the units I was studying and after doing my first education placement, which was in semester two of my first year, I really felt like this was the course that I belong in. It consolidated my confidence that I had chosen the right course for me. I found that having placements really gave a deeper insight into the careers than the units that I was studying at the time (particularly first year subjects). I would recommend for anyone who is unsure of their degree to try find an opportunity to experience that profession or one of interest to see whether it in reality is something that you can see yourself doing. Also, many degrees are very broad in where it could take you, so it is worth speaking to someone about the full range of opportunities that a particular course could lead you.

Part-time/Deferring - Daniella Conser

While there are plenty of opportunities Monash offers for you to take up, as well as plenty of room to change courses and the path of your degree, it’s important to be aware of your options to decrease your load. Regardless of what’s going on in your life, if it be taking time off for an internship, focusing on work, unsure where to go and what to do or needing an important break for mental and physical health, there are options so you’re able to do so. It’s pivotal to put your health and happiness first and there should be no shame if you need some time to do so. If you want to go part-time (2 or less units per semester) or defer a semester or a year, you can see Science Student Services and they can help find a way you can do so.
Science is a global discipline. No matter where you go in the world, there are new wonders to be discovered, researched, unearthed. That’s why we’ve made it easier to take part of your studies overseas; 1 in 4 Monash students are taking the opportunity to study abroad for a whole year, a full semester or on a short-term study program. Monash is partnered with 160+ universities in over 35 countries, and that list is continuing to grow every year.

Not only will time abroad be an enriching cultural experience, but it is also an attractive addition to your resume. You’ll be overcoming language barriers and meeting people of different cultures (communication), coordinating your flights, accommodation and classes (organisation) and managing budgets, adapting to life in a foreign country and obtaining a visa (self-management) – all highly sought after skills for potential employers.

**When and where can you go?**

A standard full-semester exchange is usually available to you by the time you’ve achieved 36 credit points. If you’d like to go even earlier, you can consider a short-term program or our Global Intercampus Program to Malaysia, which require fewer credits achieved. As a Science student, you have a variety of exciting and specialised overseas options available to you. Check out the ‘partners’ page on our Monash Abroad website and filter by ‘Science’ for all of our full-semester offerings, or chat to your faculty to discuss other options!

Monash Malaysia, our campus in the tropics, is a quick, easy and financially attractive destination for Science students. Core units such as SCI1020, STA1010 and SCI2010 are on offer, as well as Malaysia-specific Science elective such as:

- Biology (e.g. Tropical Terrestrial Biology – BIO3820, Tropical Aquatic Biology – BIO3810)
- Psychology (e.g. Positive Psychology – PSY3250, Contemporary Social Psychology – PSY3150)
- Medicinal Chemistry (e.g. Physiology of Human Body Systems - PHY2810, Physiology of Human Health - PHY2820).
- Genomics and Bioinformatics (e.g. Medical and Forensic Genetics - GEN3051, Genomics and Its Applications - GEN3040)
- Biotechnology (e.g. Molecular Biology and Biotechnology - BTH3752, Recombinant DNA technology - BTH2732).
- Applied Microbiology (e.g. Medical Microbiology – BTH3722, Environmental Microbiology – BTH3732, Food and Industrial Microbiology – FST3711).

All students eligible for Monash Malaysia will receive a $2500 grant. Australian citizens/permanent residents also receive free accommodation, a free student visa and free airport transfer, amongst other great perks. Find out more on the Monash Abroad website under ‘Study in Malaysia’.

There are many summer and winter programs also available to Science students – chat to Science Student Services to find out more.
What funding is available?

In 2019, all students undertaking a credit-bearing program through Monash Abroad will receive the Monash Abroad Travel Grant, plus complimentary travel insurance. Each funding band has its own eligibility.

What are the next steps?

1. Swing by Science Student Services to discuss your course progression, when in your degree would be best for your time abroad and what units you may be eligible to take abroad.

2. Chat with the Monash Abroad team at a First Steps session or an Open Advising Session throughout semester – information on how to book into either is available on our website.

3. Peruse our ‘partners’ page to find the university partners that suit you, or read more about studying in Malaysia

4. Register your application through MAP for a semester abroad by the relevant deadline:

Find out more at monash.edu/study-abroad

Monash has partnerships with more than 100 universities around the globe, and with these partnerships comes the possibility of exchange! I had only ever heard people rave about their experiences abroad, and so I decided that this year would be my turn to venture out. Due to the sheer number of participants and different processes for each university, Monash expects students to take responsibility for organising the majority of their exchange. The process involves finding which units suit your course map, finding the equivalent units at overseas universities, and checking prerequisites such as your WAM, and whether the overseas university is in low or high demand. Although the organising comes down to the individual, there are plenty of avenues for advice along the way. Meet early with your faculty to find out whether they have a list of units that have previously been approved to use as a guide. Also make sure to read through all the information on the Monash Abroad Portal!

It can take some time to go through the process of organising an exchange, but the outcome is more than worth the effort. In Semester Two of 2019 I will be studying at The Royal Institute of Technology in Stockholm, and I can’t put into words how excited I am to explore the world through my degree.

Lucy Goss
The opportunities available for Monash students from faculty specific programs to general academic units and workshops provide students with priceless experience and advice to help with their studies and employability outlook. There are not only numerous programs for science students, but there are research and internship opportunities as well as science scholarships which are available for Monash students. Involvement in one or more of these opportunities looks great on your resume!

Programs to get involved in

1. Science Future Leaders Program
   This program has been designed to develop future leaders who have a passion for science and a desire to promote change in the world. This year long program includes a residential, numerous leadership seminars and workshops which aim to harness the student’s leadership potential and put into practise the skills learnt into university, work and community engagement. The program has an application process and is open to students in their second or third year at Monash who are undertaking a Bachelor of Science (single or double degree).

2. Science Peer Mentoring Program
   This 6-week program is a great leadership opportunity for science students at Monash to be mentors for first year science students. The program aims to build strong relationships between the new students and the mentors by holding fun activities and group catch-ups to foster a supportive environment. Inevitably the goal of the program is to help create friendships and make the transition into university as stress-free as possible. Science students in their second year or more can apply to be a mentor.

3. Science Ambassadors Program
   This program involves promoting Monash Science and its programs to future and current students through events such as Open Days, information evenings and school visits. As a Science Ambassador your role is to not only inspire students to study science at Monash but provide a student’s perspective in studying science at Monash. Engagement in this program will develop both personal and professional skills. The program has an application process and is open to students studying a Bachelor of Science (single or double degree).

Research opportunities

1. International Conference of Undergraduate Research (ICUR)
   Monash also supports research initiatives such as ICUR, which enable students to showcase their research on the global stage at a unique conference.

‘ICUR was a fantastic opportunity to present my work in a field of science I was passionate in. It allowed me to refine my skills in science communication, given that it was an interdisciplinary audience with varying levels of prior knowledge of microbiology and science in general, and convey complex key points without relying on jargon. Furthermore, attending presentations from disciplines outside of my own gave me a wider perspective and appreciation for all forms of undergraduate research.’

~ Scott Ho
2. Summer/Winter Research Scholarships
If you’re interested and/or passionate about research this opportunity is one not to miss. These scholarships are given to driven students who are looking for a career in research or who want to experience the research environment before tackling a possible year in Honours. The scholarships are run either over the summer break or in the mid-year winter break with new scholarship projects being offered each break. This opportunity is extremely rewarding and provides students with invaluable experience, networking opportunities and improve their transferrable skills, which will help in career progression. Research is an exciting environment. Something to definitely keep in mind!

Internship Possibilities

SCI3920 Science Internship

This unit is unknown by many Monash Science students, however this unit is fantastic for those wanting real world, hands-on industry experience in their chosen field before entering the workforce after graduating. This science based internship unit requires a minimum of 80 hours working in industry where skills and knowledge learnt in the course are used in your internship. Students can either source their own internship at an organisation of their choice (which needs to be approved by the Work Integrated Learning team and the unit coordinator) or apply for a Monash sourced placement. The personal development and skills gained in completing an internship is invaluable. Recruiters and future employers view internships and vacation work like this unit extremely favourably and this experience will give you the edge above other graduates!!

Career Connect
‘How-to’ workshops

Beyond Monash there is a whole world, a much larger world, which involves finding a job in the sea of qualified people. With so many people you need to be able to stand out from the crowd in one way or another. Monash Career Connect hold fantastic and beneficial ‘how-to’ workshops which aim to help students write professional resumes and cover letters as well as creating LinkedIn accounts and improving student interview skills. There are numerous other workshops and information events such as ‘Career Conversation in Science’ and Career Connect Support which provide information about how students can maximise their employability and progress their career plans. Whether you have a set plan, you have an idea, or you have no idea where you see yourself after university, it may be worthwhile stopping by Career Connect to gain helpful knowledge and advice from the professionals.
Now that you’ve cleaned up your professional social media presence, it’s time to build up that network. Guess what? You’ve already started! University is an opportunity not only to gain an academic edge, but to network with your cohort, who will one day fill the ranks of their respective professions.

Networking is not to be underrated, as one day it could be the difference between being offered your dream job and coming runner-up, simply because you have an insider contact and the other candidate didn’t.

But tackling industry contacts requires a different set of skills; you can’t simply ask an executive out for a drink and hope that your drunken slurs land you a job. Many jobs in the contemporary market are found through networking, so it’s best to be proactive as soon as you figure out your major area of study.

**Step 1**
**Identify your Networks**

The first step is to do a little research and generate a hit list. List the companies which spark your interest and then select some contacts who are active on behalf of that company.

**Step 2**
**Identify how you will make the first contact**

If you have a well-managed LinkedIn account, send a request with a small explanation about yourself. Sending an email is also a really good way to make initial contact. Remember that if you become familiar with the person, you can eventually exchange phone numbers as well.

**Step 3**
**Knowledge of self**

When initially making contact with a prospective employer via LinkedIn or email, it’s a good idea to give a little blurb about yourself as well. Things like what you are studying and what you are seeking to learn from the person are all essential details to add in your request. An up-to-date resume is also a good thing to have handy, should you be asked for one.

**Step 4**
**Use scripts**

First impressions last, you want to make sure you come across as professional but human. Something along the lines of:

Sarah: Hi Mark, I was wondering if you have a few minutes to talk. In [date] I will graduate with a Bachelor of Science (Physics). Throughout my degree I have successfully balanced work, study and extracurricular activities. I am interested in finding out about organisations that focus on [X] and would give me an opportunity to broaden my skills and experience in [X]. I noticed from your LinkedIn profile that you graduated with a science degree in [X]. I would really like to meet with you to talk about how you got into this industry.

Mark: Certainly Sarah I would be happy to talk with you.

Sarah: Thanks Mark, would it work for you to meet on [X]?

Mark: Yes that works for me.
Step 5
Preparing for the meeting
Identify what sort of outcomes you’d like from the meeting. What information are you actually trying to find out- is it what jobs there are? What skills you may or may not need? These are the sort of questions you should add to your scripts so as to not get off track during the meeting itself. Ensure you look presentable and professional.

Step 6
In the meeting
Have you ever heard the saying “fake it, ’till you make it”? This is one of those times where it will come in handy. Granted, if you are the university’s socialite then this part will come naturally, however for the rest of us going to an interview, like a coffee date, may seem a little daunting.

Do not fret though, people naturally like to talk about themselves, and that’s good for you as you want to learn as much about them as possible. Listen, be polite and be prepared to engage in an enthused manner.

A few good questions to ask would be: How they got into the role, highlights of the role, challenges, key skills required, most recent projects/tasks and about the company culture. This person has given up their time to meet you, so make sure you thank them for it. Also don’t feel shy to ask them if they know anyone else who specifically does what you want to do. Don’t think of it like an interview to your dream job, but rather like a first date. This interaction is more about meeting people in the places that you may want to be.

Step 7
Follow up
Make sure you send them an email to thank them for sparing their time. If you really enjoyed the chat, periodically send them an email or a message to touch base. Another good idea is to keep a record of the outcomes of the conversation and any new contacts that you might have gleaned.

If you go to an industry networking event, these steps are still essential to maintain. However, you will also have to demonstrate a lot more confidence, and directly approach the person of interest in person. Listen in to the conversation if they are in a crowd; or if they are standing by themselves, introduce yourself and rattle off that pre-prepared blurb.

Another really handy thing to have here is an “elevator pitch”. Imagine you have 30 seconds. Talk about your major, what objectives you would like to accomplish and what things interest you the most about your area of study and in the industry. At the end of this conversation, there is no harm in asking for someone’s email for later questions. If you’re still having difficulty getting that dialogue running, you can always practice with your lecturers, friends and family. Once you get this conversation flowing, you’ll settle into the groove of networking quite easily.

Paul Michaut
BEnvSci (Hons)
Using Social Media

Produced by the Faculty of Science, Marketing, Media and Communications Office.

I know you’ve heard this before: set your Facebook to private. Don’t post things online that you wouldn’t show to your grandmother. Don’t drink and post. The list goes on.

The reason there is so much emphasis on locking down your social media is because increasingly, employers use social media as one of many tools they utilise in deciding which applicant is the best fit for their company. Generally, the thinking goes that the less you show them, the better.

However, your social media presence can actually be a huge asset to you – if you use the right platforms, in the right way. Having a strong, well-executed presence across a range of social media platforms can demonstrate to potential employers the way you think, the people you associate with, and what’s important to you.

In other words, you can use social media to help form your personal brand, and in turn, influence the way employers perceive you.

LINKED IN

LinkedIn is a social media platform that enables you to create a profile page complete with in-depth detail about your study and professional endeavours, as well as achievements and key skills (note the similarity to a traditional resume or CV). But LinkedIn’s real benefit lies in connecting with people.

You can connect with professionals in your areas of career interest, and gain an understanding of what sort of experience it takes to get the job you want.

LinkedIn tends to rank very highly in a Google search of your name, so make sure you keep your information up to date, use a professional looking photo for your profile picture, and connect with like-minded people who share your interests.

Key take-outs for employers from a well curated LinkedIn presence:
This person is a proactive networker. They look professional and have presented their information in a professional, readable way. They are actively job-seeking.

PERSONAL HOME PAGE

If you want to be really savvy about your online presence, a personal homepage can be a great tool you can add to your resume. It doesn’t need to be fancy, and you can use any blogging platform to do it, or a site like about.me. On your personal homepage, include a photo, a short bio, links to any work or portfolio you want to share with employers, and links to your (beautifully curated, up to date) social media platforms. Include the link to this page in your resume when you apply for jobs.

Key takeouts for employers: Wow, this person is proactive, digitally savvy and super smart.

“Social media is a great and powerful tool. Used intelligently, it can open doors, create connections and help you build a strong personal brand, which can leverage to get your foot in the door in a competitive job market.”
TWITTER

Twitter is probably the least understood social media vehicle for personal branding. At worst, it gives people and companies an outlet for mundane broadcast-style drivel. But Twitter can be a dynamic and fun way to connect with like-minded individuals.

Stay on top of what is happening in the world and demonstrate in short, readable chunks what you are interested in, what you value, and who you like to associate with. To get started, the most important thing is to carefully pick who you follow. Keep your list focused on your areas of professional and personal interest – and no, “nude selfies” should not make the cut. Then, engage. Don’t just tweet your random thoughts, re-tweet interesting tweets. Join conversations by addressing the people you are interested in with the “@” symbol. Link to interesting pieces you have found online. Be positive, and don’t use it as a space to rant.

Key takeouts for employers of a well-managed Twitter presence:
This person is passionate about their areas of interest. They have something to say, and they say it well. They have demonstrated knowledge and understanding of the nuances of the things they are interested in. They are proactive.

FACEBOOK AND INSTAGRAM

There is no need for employers to see your Facebook at all. In your settings, you can opt to hide Facebook from search engines, so it won’t show up in a Google search. Make sure it is set to private, hidden from search engines, and that you have an appropriate profile and cover image. As for Instagram, set it to private, keep your profile picture and bio appropriate, and you are set.

Key takeouts for employers:
This person keeps their private life private.

GOOGLE YOURSELF

That’s right, Googling yourself isn’t just for the Kim Kardashians of this world- it’s actually a smart habit to get in to. Every six months or so, type your name into Google and see what comes up. If you see things from your social media platforms, it might be a good prompt to tighten up your privacy settings. Google stores things often long after they are taken down and they may still show up in search results for years to come. If this is the case, you can request Google remove things so they no longer show up in a Google search.

To do that, go to this address: goo.gl/X6itBn

KEEP IT TIGHT

Get rid of any social media platforms or pages that you no longer use. Focus on using a few well. Do an annual “social media spring clean”. Go back over your content from the past 12 months and delete photos that you no longer think are appropriate, and delete posts that could be construed as offensive. As we get older, our perception of what is appropriate, acceptable and funny changes. Doing an annual spring clean and getting rid of content ensures that your social media channels are portraying the person you are now (not the person you were at 15 who had a thing for 90s grunge and begged your mum to let you shave half your head).
Job Application and Resume Tips

Written by Michael Swift from Monash Career Connect

Your study is going well. You’re acquiring knowledge that will be invaluable as you enter your chosen career. Soon you will be graduating and wearing the hat as you smile for photos with family, friends and peers.

Then what?

University teaches us about the profession we want to pursue. However, without the experience and workplace-acquired skills that so many employers demand, entering that chosen field can be difficult. It’s a conundrum. How can we acquire such experience and skills...without having had any experience or the opportunity to develop skills?

Monash University’s Career Connect is a service complementary to your studies. As your knowledge base forms, Career Connect provides students at all stages of their study with information and advice on how to present your expertise to organisations. Through a wide range of workshops, programs, resources and opportunities, you not only gain insight on how to get your foot in the door, but also how to continue on your career path.

Where do I start?

Your study has given you qualifications and many abilities, so you need to package them in such a way that helps an employer decide if you are the one for the job. Organisations may receive hundreds of applications for a position, so Career Connect can let you in on the many strategies you can use to make sure that your CV (and your cover letter) stands out from the crowd. And once you’re done crafting the perfect document, you even get feedback and advice on how to turn it from great to brilliant. You’ll get the same professional analysis in the ‘Answering of Selection Criteria’ workshop, and even learn the secrets of how to make the perfect LinkedIn profile too.

It’s not just about resumes (though they are important)

Apart from crossing the t’s and dotting the i’s of your application (a handy reminder to always use spellcheck when applying for a job), there are ways in which you can develop your overall ‘employability’ and be well-prepared for the job search. Career Success Coaching sessions are a great way to increase your understanding of your particular field’s employment market, provide you with the skills and confidence required to progress, and help you formulate your career plan so that you can reach your goals.
Okay. But wouldn’t finding a job in the sciences require a pretty specialised approach?

The old saying ‘one-size-fits-all’ doesn’t apply to job-hunting. Many fields have their own ways of recruitment and particular methodologies, so it’s important to tailor your approach accordingly. Career Connect’s advisory coaches operate across all Monash disciplines, can help you explore industry-specific occupations and their requirements, and identify the skills that those employers value. And as Monash is a global university with a large international student population, Career Connect’s workshops and resources can also assist students who want to explore their career options in their country of origin.

Looking for work doesn’t have to be hard work

You may be surprised to know that mapping out a career strategy isn’t always about workshops, plans and ensuring your contact details are up to date (another handy reminder). Extracurricular activities can make valuable contributions to your skills as well. If you volunteer for a not-for-profit organisation or a community group, you’re getting work-related experience, developing your professional network, showing motivation to potential employers, and even getting the added bonus of making new friends. Online programs such as Leap into Leadership Online (LiLO) are a fun way of developing your employability and leadership skills at your own pace and convenience. And if you join a Monash club or society, that’s another great way to network, become aware of opportunities, and keep up with what’s happening in fields that interest you. Career Connect can put you in touch with all these avenues to help you get your journey underway.

Ready, set…

Rest assured that you aren’t just provided with the employability expertise to grab the post-study role of your dreams, either. When you’re ready to start looking, Career Connect also points you in the direction of job-finding services for a variety of roles and skillsets. Whether it be a graduate role, a volunteer position or something to tide you over during study, you can search opportunities both locally and globally, and even be privy to roles available exclusively to Monash students. What’s more, useful information is provided on Australian work practice and employment rights for international students and visitors.

Go!

If you want to know more, register for a workshop or access Career Connect’s variety of resources, take a look at:

https://www.monash.edu/career-connect to get underway. We’ll see you at your graduation!
What is Honours?

Dr Christopher Thompson  
Associate Dean Education, Faculty of Science  
Senior Lecturer BS(AS), BSc(Hons), PhD(Chemistry)

What is Honours exactly?

Roughly a quarter of students who do a BSc either as a single or double degree continue on to do an extra year as part of the BSc(Hons) course. Honours is very different to the first few years of undergraduate study. The key difference is a major research project, which students undertake tied to a particular researcher here at Monash. There are even opportunities to do this with an industry partner. Each subject area has a mixture of advanced coursework that sits alongside the research project. But perhaps the best part is that you are working alongside other honours students, PhD candidates, and often directly with the academic staff.

Why bother?

Most Honours students will tell you it the best thing they have ever done. It can take all the science and mathematics you have learned in the first few years and translate it into a meaningful piece of work. And it will always be a unique project – something no one has ever looked at before.

But the main point is the skill development that we know employers are looking for. An Honours year forces you to develop your sense of independence, as you are not spoon fed anymore. You will fine tune your project management and time management skills, teamwork and communication skills and become a proficient researcher. Honours students who front up to their first graduate job interview always have lots of examples to describe to their prospective employers. Some Honours students move straight on to PhD after simply falling in love with research.

What do I look for in an Honours Student?

Mostly I’m looking for curiosity. An Honours project is not a set path, there is not a set reading list or curriculum. The student gets to explore a project under their own steam, and inject their own ideas under the supervision of a researcher. So there is plenty of guidance, but lots of independence too. There are plenty of Honours students who have shocked their supervisors with brilliant and novel ideas.

How do I get into Honours?

Make sure you consult the Handbook to see what marks you need to get into an Honours subject area. But the general rule is you need a distinction average to get into the degree. There are lots of students who bombed first year, but finish their third year subjects with a 70 average and go on to amazing Honours projects.

The important steps are to make sure you know what marks you need in each subject, and start speaking to potential supervisors. You don’t just sign up to the course – you sign up to a specific project. So it’s important to start chatting to academics to find out what they are working on. Trust me, academics LOVE talking about their work, and recruiting students. You will find they are very happy to tell you all about it.

Still unsure?

Most of our subject areas have the option to do an undergraduate research project. (Often they have the XXX3990 unit code, depending on the discipline.) These are basically mini Honours projects. So if you are keen to get a taste of it before jumping in the deep end, try one of these as part of your major.
A Student Perspective

Doing Honours at Monash has given me the opportunity to conduct novel research and to be supervised by world-renowned experts in their relevant fields. Not only were my supervisors and the other academic staff and colleagues supportive of my research and my well-being, they were also very happy to share whatever knowledge they have. As a student from the School of Biological Sciences, the Honours Lounge is where we work, play, and occasionally, rant and break down. What a roller-coaster ride it was! 10/10 would ride again.

Yik Khan Chan
I work for a global employee owned management, engineering and development consultancy. We are Mott MacDonald. I am one of more than 400 owners. Our firm has over 17,000 staff working in over 100 countries. We operate across 6 sectors; Advisory, Built Environment, Energy, International Development, Transport and Water. I am the global leader of our Built Environment business based out of our Singapore office. So how did that happen? Well, it all started at Monash University of course!

Like almost every student leaving high school and entering university I had no idea what I wanted to do with my life. But I knew I was pretty good at math and pretty good at science and I loved physics especially. I also knew a straight Science degree was low on career opportunities but engineering was in demand. This was back in early 1983 when I was about to enter my first year of university. I couldn't really make up my mind because I wasn't sure I was cut out to be an engineer. I loved theory but I was a bit clumsy sometimes when it came to the pragmatic and the physical.

As it happened, Monash University was the first to offer a double degree in Science and Engineering over 5 years in Victoria. I believe they offered it for the first time in 1983. This was perfect for me because I didn't have to make up my mind. I could check out both and see the career opportunities at the end.

Of course, didn't quite work out such a fairy tale. I enjoyed the first three years and gained my science degree. I majored in Applied Mathematics and Astrophysics. (That must explain why I am currently so impressed by Cixin Liu’s novel The Three Body Problem!)

Stumbled through the final two years in Mechanical Engineering. The final year I just wanted to get out and away. But I stuck with it and completed the 5 year haul for the two pieces of paper with respectable but certainly not impressive results.

Without labouring the point, I really did struggle for the first 12 months in the workforce. I had trouble finding employment initially and then I really wasn't happy. I left after 6 months in search of something more fulfilling and more relevant to who I am. Don't be afraid to do that. It's important.

By luck and by chance I found it. I got a job with a firm called Rankine & Hill midway through 1988 and was immediately assigned to work on the biggest construction project in town; Melbourne Central. I loved it and then I hated it! So much pressure! So much I didn't know. But so exhilarating and so proud to be involved in such a significant piece of social infrastructure and such a significant piece of the Melbourne skyline. It was such a personal challenge and the integrated nature of the design office which incorporated staff from a variety of architectural and engineering firms was so lively and so vibrant. We worked hard but we also .......... well you know the story!

I can't go into this level of detail for my whole career. This will end up a book. But I always took every chance offered to me to travel and experience the world. I ended up in Beijing next working on the Australian Embassy project in early 1990 only about 6 months after the Tiananmen Square student riots in 1989 with that famous student staring down a tank.
I stayed for about 2 years. What a marvellous experience. I cannot believe what China has been able to achieve in a single generation. When I think about Beijing in 1990 and Beijing in 2015 when I last visited I can hardly believe they are the same city.

I have subsequently worked in Darwin for over 10 years where I met my wife Louise and we had our two lovely daughters Majella and Jazz, in Abu Dhabi and Dubai for 3 years, back in Melbourne for 6 years and I now reside in Singapore. Each step has been a challenge - and ultimately in different ways a success.

I think I have gradually evolved to become an effective leader of people with keen strategic thinking. Strangely though, I don't credit my academic achievements, my global experience, my strategic thinking or any sort of political manoeuvring to my success. I am a compassionate person. I care about the people I lead. I think I have assumed a responsibility. I don't take that lightly.

I am proud to be a Monash University alumni. The progressive thinking of the University back in the late eighties afforded me the flexibility to find my own course through my younger years. I can hardly believe where I am now considering what unfolded through all those years and experiences at University.

I offer three closing thoughts that I hope will inspire you to use Monash as the springboard for an enlightening and rewarding journey through life;

1. It's easy to be distracted at University. Be disciplined enough to finish the course but relaxed enough to have a great time and meet great people. Don't be one-dimensional at University. Express yourself and spread your wings. It's ok to grow through experience whilst at University.

2. Travel. Every opportunity. Move to create space. Challenge yourself. Don't be complacent. This is one world; one life. Make the most of it.


**Randal Jones**  
BEng/BSc  
Global Sector Leader  
Built Environment  
Mott MacDonald
Professor Moira O’Bryan
Head of School

The School of Biological Sciences is one of the leading schools of its type in Australia and globally.

Our strengths lie in genetics, genomics and bioinformatics, ecology, environment and conservation biology and evolutionary biology. Our work is of direct relevance to human and environmental health and the future of the planet. The work is undertaken in laboratory and a diverse range of field setting spanning the tropics to Antarctica. The academic staff within the school are counted amongst the world's leaders in their fields.

Students benefit from being able to tap into this knowledge base and the associated research and training opportunities. Our staff are outstanding educators and mentors. Peer learning is greatly encouraged within the School. One of the key philosophies of the School is to provide students with the education, skills and experience to enable them to take advantage of a wide range of career opportunities.

We provide Bachelor of Science students with a range of specialisation opportunities within the life sciences, allowing them to go into the field of their interest and find their passion. Leadership, teamwork and communication skills are emphasized, thus greatly facilitating graduate careers in industry, business, government and the non-government sector.

Our aim is to produce future leaders in life and biological sciences.
Professor John Carroll
Head of School

The School of Biomedical Sciences is one of Australia’s most active biomedical discovery research environments, where we explain how our bodies function and use that knowledge to improve human health.

We have world class facilities for research and teaching, spanning these areas:

- Biochemistry and Molecular Biology
- Developmental Biology
- Immunology
- Microbiology
- Neuroscience
- Pharmacology and Physiology

Here, you will learn from biomedical and education research leaders, who will stimulate your imagination and provide a deep understanding of the biomedical sciences.

By understanding the molecular basis of diseases such as auto-immunity and infection, cancer, cardiovascular disease, neurodegeneration, obesity and type 2 diabetes, we can potentially develop new treatments for patients with these disorders. Australia needs more people who can do great research, communicate that research in an accessible way, and ensure that science discoveries are translated to the clinic and industry for the benefit of everyone.

By studying Biomedical Sciences, there are diverse careers available to you as medical researchers, industry scientists, executives of health programs, administrators, patent lawyers, science communicators and content writers. The opportunities are broad, and once you find your passion, you will find your niche.
Professor Bart Follink
Former Head of School

Chemistry is the central science. Chemistry underpins all aspects of our everyday life and is responsible for health, wellbeing and prosperity of modern society. Chemistry plays a crucial role in tackling global issues facing humankind such as food and water supply, antibiotic resistance, renewable energy, pharmaceuticals, health and climate change. Chemists work on interdisciplinary problems with scientists from a range of other disciplines and only chemists can manipulate materials on an atomic and molecular level. Chemists invent the building blocks for future solutions.

As chemists work at the level of atoms and molecules, objects that the eye can't see, analytical thinking, sophisticated equipment and creativity are essential to unravel and understand the processes that drive chemistry. Problem solving, strategy building and critical thinking are some of the life-long skills that chemistry can give you.

The School of Chemistry at Monash is among the best chemistry departments in the world. Our world-leading researchers cover a very broad range of chemical disciplines from biospectroscopy to inorganic synthesis and from battery and solar energy materials to theoretical chemistry, from agricultural and food chemistry to functional polymers.

If you study chemistry at Monash you are taught by researchers at the forefront of their discipline, whose research pushes the boundaries of knowledge in their specific domains. Our state-of-the-art teaching laboratories in the brand new Green Chemical Futures building are used by all our undergraduate students in our highly innovative curriculum.

Our education program is led by award winning educators. Our teaching is informed by the best research evidence and we put students at the heart of all we do. Our approach is to involve students in their own learning, to create critical thinkers and lifelong learners. Our innovative laboratory program develops skills of scientific inquiry in a work related or real life context in our state-of-the-art laboratories. We have demonstrated the effectiveness of this program in developing a wide range of transferable skills so valued by employers in across all sectors of the economy.

Our graduates find employment in a wide range of industries and organisations. From universities to government departments and from food and agricultural industries to the manufacturers of specialty chemicals, many of them in advisory and management roles. Not all chemists wear lab coats!
Professor Sandy Cruden,
Former Head of school

If you are passionate about the planet we live on, care about discovering future natural resources and managing the environment, or want to understand and predict climate change and our weather, then the School of Earth, Atmosphere and Environment is ideal for you. We carry out world-leading research on all aspects of our planet and beyond, from deep within the Earth, to the land we stand on each day and the complex behaviour of our atmosphere, and we'd like to share our discoveries with you.

Geoscience, Geographical Science and Atmospheric Science, are the core disciplines that make up the School. However under this umbrella there are opportunities to explore all that you love about science and to discover how maths, physics, chemistry and biology have practical applications to how we understand the Earth System.

The School of Earth, Atmosphere, and Environment offers an exciting range of subjects that cover all aspects of the Earth's physical environment. We offer a broad-based major in Earth Science, with streams in geoscience, climate science and environmental Earth science.

We also offer more specialised majors in Atmospheric Science and Geographic Science. All of these subjects will provide you with the skills and knowledge required to embark on a wide range of rewarding careers in the mining, environment, water and energy sectors, climate and weather forecasting, and environmental management. Or you might want to join our vibrant postgraduate research community and become a global expert in geology, geophysics, atmospheric science, climate studies, or physical geography and the environment.

Our teaching and learning programs are supported by innovative fieldtrips, state of the art laboratories, including the unique Earth Science Garden, and industry engagement. Our graduates are sought-after by industry, government agencies, and non-government organisations and are employed in a range of rewarding careers that take them across the globe. Completing an undergraduate major, honours, or higher degree within the School of Earth, Atmosphere and Environment opens up a wide range of career opportunities.
Michael Page
Former Head of School

Mathematics is a very sequential discipline that builds upon a sound understanding of its foundations. Spreading out your interests will also assist – it is sometimes said that mathematics is about patterns, and that is true, although it is not just about geometrical patterns but rather about seeing things in common between apparently quite different contexts.

Increasingly, employers are seeking numerate employees with strong analysis and problem-solving skills, to help them understand the large amounts of data that are available on their activities.

Not many universities offer a broad mathematics program to third-year level with full majors in each of pure mathematics, applied mathematics and mathematical statistics separately. At Monash we also recognise that students may not always have completed the appropriate mathematics subjects at secondary school, so we give them a helping hand by offering a range of entry levels commencing from first year, but all ending with the same strong outcomes after completing a major.

It is important to improve your skills across a range of areas. Don't settle for second-best at the last minute, plan ahead and try to excel; being able to attend university is a privilege, but especially it is a rare opportunity in life to concentrate on expanding your understanding of mathematics, science or the world more generally.
Professor Michael Morgan,
Head of School

The study of physics or astrophysics ranges from consideration of the very practical, such as designing better medical imaging devices, to answering curiosity driven questions, such as what is the Universe made of? Almost everything that makes your life more comfortable, or allows you to work efficiently in the 21st century, is due to engineered solutions based on physical principles. Physicists and astrophysicists explore the Universe at all scales of length, time and energy - from sub-atomic particles (such as the recently discovered Higgs boson) to the large scale structure of the Universe. Physics seeks to understand the nature of space, time and matter, and in doing so it addresses profound philosophical questions about the nature of reality and our place in the Universe.

The School of Physics and Astronomy at Monash is going through an exciting period of growth - investing significantly in world class people and facilities. The School provides opportunities for creative students to work in astronomy and astrophysics, experimental physics, theoretical and computational physics. We conduct research in areas ranging from atomic physics to ultracold gases; from biophotonics to optoelectronics; from computational physics to observational astronomy; from condensed matter physics to nanotechnology; from electron microscopy to synchrotron science; from elementary particle physics to quantum cosmology; from medical imaging to X-ray science, and much more.

A degree in physics or astrophysics gives you the opportunity to start on your own intellectual journey. Graduates with a major in physics or astrophysics have a wide range of marketable skills - in empirical reasoning, high level quantitative and problem solving, computational and theoretical modelling, data analysis and visualisation. You will also have well developed communication and team skills. Graduates in physics are highly employable in industry, hospitals and scientific organisations. They have the necessary skills and training to conduct original research and have a sound scientific background for a complex and technologically oriented world.

Monash physics and astrophysics graduates have found employment in companies and organisations both in Australia and throughout the world.
Join the Australian Bureau of Statistics – A career with impact!
The ABS is Australia’s national statistical agency. We provide trusted official statistics on a wide range of economic, social, population and environmental matters of importance to Australia. Our data helps inform governments, business and organisations to make important decisions. As a graduate, you can contribute to producing statistics on everything from labour, environment, health and business – just to name a few – or work in roles supporting our business such as methodology, data science, ICT, human resources, data integration and acquisition.

We’re a dedicated and supportive workplace
We are committed to championing the skills and qualities of all of our staff through a workplace culture that fosters inclusiveness, builds respect and capitalises on diversity.

Develop lifelong skills
Graduates are an important part of our dynamic workplace. As a graduate, you will work with a diverse and dedicated team and develop lifelong skills that will set the foundation for your career.

As an ABS graduate, you will:
- be placed in a permanent full-time role
- undertake a nine-month development program
- participate in on-the-job training specific to your role
- participate in a structured training program; a mixture of virtual, self-paced and group learning activities.

We’ll offer you:
- Competitive salary
- Flexible working
- Ongoing training and development
- Senior executive shadowing
- Diversity and Inclusion
- Generous leave entitlements
- Offices in all capital cities

Learn more
For more information on the ABS Graduate Recruitment Program email recruitment@abs.gov.au or phone: 1800 249 583.
Benefits of membership of the Australian Institute of Physics:

1. Be part of your professional community
   The AIP aims to foster a strong professional identity and fellowship among physicists by providing a forum for their views and enabling them to meet with their colleagues on a regular basis.

2. Reduced rates for the AIP Congress
   Enjoy reduced registration fees for the biennial AIP Congress, AIP Summer and discounts with related societies, such as the UK’s Institute of Physics.

3. Eligibility for awards and medals
   To recognise contributions to physics, the AIP has a number of awards and medals for members including new Ruby Payne-Scott Award for excellence in early-career research.

4. Australian Physics magazine
   The AIP publishes a bi-monthly magazine ‘Australian Physics’ and communicates issues of interest to Physicists via a monthly email newsletter.

5. Opportunities to network
   Building your network of contacts through the wide range of specialist groups, branch meetings and social activities. This is especially important for students and ECRs.

6. Support access and equity in physics
   The AIP supports and promotes women in science through the Women-in-Physics group and the Women-in-Physics lecture series.

The AIP needs your continued support to be effective.

MARS

What do M&M’s®, Pedigree®, Extra® Royal Canin®, MasterFoods®, Skittles®, Schmackos®, and Snickers® have in common? They’re all made by Mars!

We’re a family business that’s been making products for people (and the pets they love) for more than 100 years. We’re 115,000 self-proclaimed Martians—we’re pet obsessed, confectionery lovers, foodies, dream chasers and community builders—working across more than 76 different countries.

We’re a diverse, extended family that wakes up every morning ready to make an impact—on our business and on the world. We do it by keeping The Five Principles at the heart of everything we do: Quality, Efficiency, Responsibility, Mutuality and Freedom. We are united through our inspiring purpose. The world we want tomorrow starts with how we do business today. We all take pride in our unique way of doing business and empower every Associate to learn, expand, dream and develop.

So, what do we want with science students?

You might be surprised to know that we have six work-class manufacturing sites in Australia, where each day we make some of your best loved brands! Ensuring we have the right people with amazing technical capability is crucial to our continued success. Our keen interest in STEM students is mainly driven from our technical streams including Research and Development, Engineering and Finance functions, however we love to get applications from students of any background for roles across our business. Its way more important to us to find the right fit for our business, and for you to find somewhere you can thrive.

Sound like a good fit?
Learn more by visiting www.careers.mars.com or follow us on social
Instagram @MarsAustralia
Facebook @MarsCareersAustralia
Steel and Sustainability

As Australia's largest manufacturer, BlueScope's portfolio of brands includes COLORBOND®, ZINCALUME® and TRUECORE® steels and the LYSAGHT® range of building products. With 14,000 people across 18 countries, BlueScope is a leading international supplier of steel products and solutions for building and construction markets.

Steel plays a critical role in sustainable development. To BlueScope, sustainability means developing, manufacturing and selling steel products and solutions in a way that provides for a sustainable future, with a focus on continuous improvement, adopting new operating methods and anticipating new products for the future.

BlueScope's long-term growth is underscored by the sustainability of steel and the critical role that it will play in supporting a sustainable society. We take a life-cycle approach, looking at the impact of a product over its entire life and focusing on the four principles of a circular economy: reduce, reuse, remanufacture and recycle.

You can read BlueScope's latest Sustainability Report at bluescope.com/sustainability/reports/.

Our People

With a strong local presence and a global footprint, the opportunities to grow your career start here. It all starts with you: understand your passions and aspirations and BlueScope will work with you to shape your development.

BlueScope embraces different skills, backgrounds, experiences and ways of thinking and acting, all of which ensure a positive and innovative workplace. Employee-led networks for workplace diversity and inclusion play an active role in achieving this.

Our experienced professionals are the ones who make it happen. The opportunities at BlueScope are diverse, with teams in engineering, operations, chemistry, IT, finance, supply chain and sales and marketing. BlueScope's head office is in Melbourne and there are numerous facilities around Victoria, Australia and the globe.

Furthermore, BlueScope does not just rely on attractive pay and benefits to reward its people—recognition programs also reward business success. Here are some of the other benefits of working with BlueScope:

- flexible work arrangements;
- study assistance;
- options for salary sacrifice;
- career-development opportunities; and
- Employee Assistance Program.

Health and safety are also paramount at BlueScope and the company is proud to be one of the world's safest steel manufacturers, with an award-winning, world-class safety record.

Be part of the team that creates some of the world's most advanced steel products.

Find out more at bluescope.com/careers.
Australia’s national science agency

About us

At CSIRO we solve the greatest challenges through innovative science and technology to unlock a better future for everyone. Our scientists, engineers, and mathematicians find solutions that improve the health and wellbeing of our people, the sustainability of our environment and create entirely new industries and jobs. Each year, our work alone contributes around $4.5 billion in benefits to the nation.

CSIRO is not just white lab coats. Our scientists are out in the fields, working on self-drive cars that stop when a pedestrian approaches and monitor our oceans and atmosphere. They build and test robots to improve safety in hazardous industries, test the flammability of materials, develop augmented reality and build titanium bones for surgical procedures using 3D printing.

Our national facilities and collections are truly unique and enable us to do world-class research. We created Wi-Fi, fed the world with better grains of wheat and reduced the environmental impacts of cotton production.

We offer –

There are many opportunities available for you to be a part of our organisation. We offer:

- Around 100 summer vacation scholarships of 8 to 12 weeks to third-year students, who work on current projects with our research leaders. Advertised in July, these scholarships are for those who will be continuing their studies.
- A large number of Postgraduate scholarships each year.
- Over 50 Postdoctoral Fellowships per year.


Please visit our careers website at http://www.csiro.au/en/Careers to find your opportunity!
A century ago, CSL made a promise to protect the health of a nation and help save and improve the lives of people with serious diseases. Today, this same promise is stronger than ever. Over the last 100 years, CSL has grown into a global biotechnology leader delivering innovative therapies to patients all around the world. With a unique combination of R&D focus, operational excellence and commercial strength, CSL is well-positioned to continue its leadership into the second century.

Graduate Program:
- The CSL (Australia) Graduate Program is a two-year program focused on providing you with career opportunities within our global business.
- Our program is a chance for you to work alongside and learn from a diverse group of professionals who are leaders in their field.

As a CSL Graduate you will be given:
  - Tailored Rotations
  - Practical experience
  - Real projects with real responsibilities
  - On-the-job technical training
  - Exposure to various teams and functions across the business
  - Structured coaching and regular performance feedback
  - Focused career development
  - Specialist development activities

Graduate Development:
The Program begins with a comprehensive induction process designed to educate new graduates about the CSL business, their history and key business objectives. Graduates are also given the opportunity to engage with key senior leaders within the business. Throughout the Program, graduates are supported with tailored development that is regularly discussed with their managers, providing them with considered training and relevant opportunities as they build their careers.

Graduate Program Requirements:
- Must be an Australian or New Zealand Citizen or have Australian Permanent Residency status at the time of application
- Have completed your highest level tertiary qualification (minimum level is an undergraduate degree) with a credit average, in the two years prior to January 2020
- You must be available to commence full time employment from February 2020
- Science graduate roles are based in Broadmeadows, Melbourne. As such, you must be located in/or willing to relocate to Melbourne, and be willing to cover the costs of relocation and travel to attend the Assessment Centre and Interviews
- Be willing to undertake a National Police Check and a medical assessment
- Demonstrated work experience throughout university (non-professional)
About the program
Our two-year training and development program provides graduates with a mix of different experiences – potentially including; field, policy and community engagement activities. The graduate program is the commencement of an ongoing position within the departments.

Every year, we recruit a new intake of graduates from; science, natural resource management, agriculture, conservation, planning and spatial data.
Join the ranks of more than 250 program participants who have participated in a variety of roles, industries and projects across Victoria over the last 20 years.

What the program involves
As a new graduate, you will attend a formal induction which provides a chance for you to get to know your fellow graduates and to start working with your supervisor. Over the course of the program, you’ll undertake three, eight-month rotations – many including living and working in regional Victoria. These placements offer you the opportunity to use your passion and knowledge to assist in Victoria’s sustainability and growth, and wherever you go, you’ll be learning from experts in your field.

Support
You’ll be supported throughout the program with opportunities for learning and development and career growth. You will have a location supervisor for each rotation as well as a coordinating supervisor, who will support you for the duration of the program. Both supervisors will offer mentoring and help develop work plans to ensure you are always getting the most out of the program. Graduates also receive a ‘Buddy’ to help them – usually a second-year graduate who is working in a similar field or location.

Learning and development budget
You can access a significant learning and development budget each year to build your knowledge and work skills for your future career.

When can I apply?

Contact:
graduate.programs@delwp.vic.gov.au

The program is a joint initiative between the Department of Environment, Land, Water and Planning (DELWP) and the Department of Jobs, Precincts and Regions (DJPR).
Few other careers offer the opportunity for genuine responsibility, autonomy and impact from day one.

Teach For Australia's Leadership Development Program allows participants to share their skills where they are most needed – as teachers in secondary schools – while they earn a Masters in Teaching over the course of two years.

As it stands, not every child in Australia has access to the education they deserve. By age 15, children from the lowest socioeconomic households are on average almost three years behind in school than children from the highest socioeconomic households.

The Leadership Development Program offers a combined postgraduate education and employment opportunity like no other. Associates develop essential leadership skills while gaining context, clarity and conviction as part of a global movement dedicated to achieving equity in education.

Over two years, Associates:

- teach at a school serving a low socioeconomic community, with full salary and benefits;
- earn a Master of Teaching (Secondary)(Professional Practice) through ACU on an assisted scholarship;
- participate in targeted professional development that is tailored to experience and context;
- and receive one-on-one coaching and mentoring to accelerate personal, professional and academic growth.

In ten years, we have placed over 800 Associates into more than 180 schools, ultimately helping to change the lives of over 230,000 students.

Challenge yourself to make a difference. Visit www.teachforaustralia.org and apply today!
Parks Victoria manages areas of isolated natural beauty, sites of outstanding cultural heritage, green and blue urban oases and remnants of events and industries that shaped our history, including gold mining and forestry. From snow-capped mountains and lush rainforests to true desert and underwater coral reefs, the area we look after adds up to 4.1 million hectares – or about 18 per cent of the state. This includes over 100 national parks and reserves, regional and metropolitan parks, Aboriginal and post-European settlement cultural and heritage sites, ports and waterways, marine protected areas and around 70 per cent of Victoria’s coastline. Victoria’s parks are home to more than 4,300 native plants and around 1,000 native animal species, some of which are found nowhere else in the world. The park system protects these native species and their habitats.

Why work for Parks?

To protect the natural environment and cultural sites and to ensure park visitors are safe and enjoy this pristine landscape, more than 1,200 employees are based in over 123 locations. Our employee base is made up of more than 400 park rangers and field service officers on the ground, 30 conservation scientists, 800 people with fire roles, heritage experts, engineers, planners, a corporate team including IT, people and culture, finance and a commercial team who liaise with over 500 licenced tour operators. When speaking to our employees about why they work for Parks Victoria, the vast majority attribute it to a sense of purpose. For our conservation scientists this could mean contributing to the survival of a threatened species like the Eastern Barred Bandicoot, for our rangers this could mean ensuring visitors are safe and enjoy themselves in nature.

Parks Victoria develops talent and creates future leaders by providing training, opportunities to move around in a variety of roles and robust succession planning to enable career progression.

What can you do with your science degree at Parks Victoria?

Scientists contribute to almost every aspect of Parks Victoria’s work. Scientists support volunteer and research projects, develop and deliver marine and terrestrial conservation plans, contribute to community engagement, park interpretation and education programs, analyse environmental data, help with fire-ecology planning and post-fire ecology recovery and provide expertise to help manage Victoria’s parks.

Many park rangers have science backgrounds and are hands-on in monitoring and maintaining the health of our parks and the plant and animal communities they support.

Get involved

Volunteering through Park Connect
Volunteering in parks is a great way to gain valuable experience. Parks Victoria operates five key programs including Sea Search which involves conducting Intertidal Rocky Reef surveys to record the intertidal algae cover and health of rocky reef habitats, conducting Seagrass surveys which involve wading, snorkelling, or diving over intertidal and shallow subtidal seagrass beds to assess seagrass health and monitor the boundary of seagrass meadows. Volunteers capture photos of marine protected areas to document marine species, detect any changes, assist in developing identification guides and identify potential threats to ecosystems.

For more information on becoming a volunteer - www.parkconnect.vic.gov.au.
Become a seasonal ranger

Each year, we employ a number of Seasonal Rangers to help us protect Victoria’s incredible natural places. As a Seasonal Ranger, you will be a passionate and enthusiastic advocate for nature, helping to ensure that we forge strong relationships with communities and safeguard Victoria’s parks as places of enjoyment, learning and inspiration.

You will be working in some of Victoria’s most unique landscapes and can potentially go on to securing a specialist ranger role. We have rangers that specialise in marine areas, grasslands, horticulture and select species like Grey-headed Flying Foxes. To get started, all you need is a passion for people and a love of the outdoors.

Become a Project Firefighter

Fire is a natural part of the Australian environment. With lightning and indigenous burning practices having shaped our ecosystems over tens of thousands of years, many of our plants are reliant on bushfire to regenerate and maintain their health.

Parks Victoria uses planned ecological burning to support and develop biodiversity values in our parks.

Each year Parks Victoria employs field-based seasonal firefighters to assist with planned burning and the prevention and suppression of bushfires. It’s a job where no two days are the same. Seasonal firefighting is a great way to make a contribution, be challenged, work as part of a team and develop career pathways.

How do I apply?

Recruitment for both programs will begin in August 2019.

For Project Firefighter roles visit www.ffm.vic.gov.au


Receive job alerts and be kept informed!

Be the first to receive updates on all of our new opportunities by receiving Job Alerts. To register head to https://careers.vic.gov.au/job-alert-signin.
Your future starts with us.

From cyber security and tech innovation through to accounting and advisory, we're looking ahead and building industries of the future. As one of the largest professional services firms in the world, our services are as diverse as the graduates we hire.

Our student programs

Graduate Program
The most innovative graduate program in Australia. A full-time, 12-month role involving purpose-led projects, networking and learning opportunities.

Summer Vacation Program
A 3-8 week paid internship that gives you the chance to land a full-time role with us before you even graduate!

Insider Program
Get a behind-the-scenes experience at a 1-day workshop in our office and a chance to fast-track into a paid summer internship with us.

Applications open 15 July to 12 August.

What impact will you make?
yourfuture.deloitte.com.au
The Walter and Eliza Hall Institute of Medical Research is home to more than 850 medical researchers working to improve health by understanding fundamental human biology and the drivers of disease, and translating this to advance clinical medicine.

The Institute’s research staff and students take a multidisciplinary approach to solving important biological problems across five research themes:

- Cancer Research and Treatments
- Healthy Development and Ageing
- Infection, Inflammation and Immunity
- Computational Biology
- New Medicines and Advanced Technologies.

Our research spans a range of scientific disciplines including biochemistry, cell and molecular biology, chemistry and drug discovery, genomics, proteomics, structural biology, mathematics, bioinformatics and epidemiology.

Research staff and students have access to many advanced technologies including our Centre for Dynamic Imaging and National Drug Discovery Centre. Our central location in the Parkville biomedical precinct also enables collaboration with partners including the Victorian Comprehensive Cancer Centre alliance, The Royal Melbourne Hospital and the University of Melbourne.

**Studying at the Institute**

Students are valued members of our research teams and have contributed to many of the Institute’s most important discoveries. More than 200 undergraduate, Honours, Masters and PhD students are enrolled at the Walter and Eliza Hall Institute, which is the University of Melbourne’s Department of Medical Biology.

Generous scholarships (including a PhD scholarship top-up) are available for all Honours, Masters and PhD students enrolled at the Institute, and selected undergraduate students (who may also receive a salary).

The Institute’s **Honours and Masters programs** give students the opportunity to apply their knowledge, skills and intellect to original research into an important question in medical biology. Students also broaden their scientific knowledge through workshops and coursework, including a postgraduate seminar series led by some of Australia’s best researchers.
Our Medical Biology PhD Program provides students with world-class research training. PhD students lead a research project, guided by expert supervisors and mentored by researchers and fellow students. Our PhD students also develop diverse skills that will benefit their future career through seminars, conferences and research exchanges, involvement in Institute training and teaching programs, and contribution to committees. Students may also undertake an internship with the Institute’s Professional Service departments, focusing on specific areas such as business development, commercialisation, project management or communications.

Students at the Walter and Eliza Hall Institute benefit from our extensive international network of collaborators. Our students go on to a range of careers in academia and industry, many at leading national and international organisations. Find out more about studying at the Institute: [www.wehi.edu.au/education](http://www.wehi.edu.au/education)

Prospective students are also invited to attend our Student Open Days, which in 2019 will be held on 4 and 10 September at our Parkville campus: [www.wehi.edu.au/openday](http://www.wehi.edu.au/openday)

**A career at the Institute**

The Institute promotes an environment that emphasises innovation, collaboration and excellence. We also strive to ensure all our staff and students enjoy a great working environment, and we value diversity and gender equality in our workforce. Research and technical staff work in multidisciplinary teams, driving fundamental and translational scientific research with a focus on tackling important health questions. The Institute has invested in state-of-the-art technology platforms including in dynamic imaging, proteomics and drug discovery, that are overseen by experts in their fields.

The Institute’s Professional Services teams provide expertise and advice across a range of areas, allowing scientific staff to focus on delivering research outcomes.

All staff have access to a range of training and development opportunities that enable them to build their job skills and future career options, as well as ensuring interesting and satisfying work.

Learn more about our career opportunities: [www.wehi.edu.au/about/career-opportunities](http://www.wehi.edu.au/about/career-opportunities)
Put your talent into projects that make a difference.

GHD is one of the world’s leading professional services companies delivering imaginative engineering, architecture, environmental, construction, advisory and digital solutions that create lasting community benefit. Operating in the water, energy & resources, environment, property & buildings, and transportation markets, we bring local knowledge and a global perspective to every project.

Established in 1928 and privately owned by our people, GHD operates across five continents - Asia, Australia, Europe, North and South America - and the Pacific region. We employ more than 10,000 people in 200+ offices to deliver projects with high standards of safety, quality and ethics.

GHD Intern Program

Through the summer period (December to February), as an Intern you will be given the chance to work on a variety of projects within your nominated field. GHD will provide you with the opportunity to gain hands-on experience in a diverse range of projects, networking sessions with peers and senior professionals, and the chance to be part of a dynamic and thriving consultancy business.

Applications open: Monday, 22 July 2019
Applications close: Sunday 25 August 2019
Program commences: November/December 2019
Program ends: February 2020

GHD Graduate Development Program

The GHD Graduate Development Program is an integrated two-year, holistic approach to developing our future leaders and technical experts. The structured program will provide you with the tools and opportunities you need to establish and build a successful career with us.

As a Graduate, you will develop your decision-making, communication, technical and important leadership skills. Our program offers a number of development tools, including:

- GHD Business School
- Multiple rotations between different areas of the business, including opportunities to work in our regional offices
- Project experience
- Mentoring
- Community and networking
- Career Pathways

Applications open: March annually
Program commences: February the following year; next program commences February 2020

www.ghd.com/myghdimpact
The Careers Publications team would like to thank all the companies, staff and students who contributed and supported the 2019/2020 Monash Science Society Careers Guide. Your hard work, effort and assistance is greatly appreciated.

Special Mentions to:

Ellecia Baker
Daniella Conser
Jolene Farrell
Sophie Zhou
Jeff Probst
Mary Ameen
Scott Ho
Neil Peart
Lucy Goss
Joe Friedman
Yik Khan Chan

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