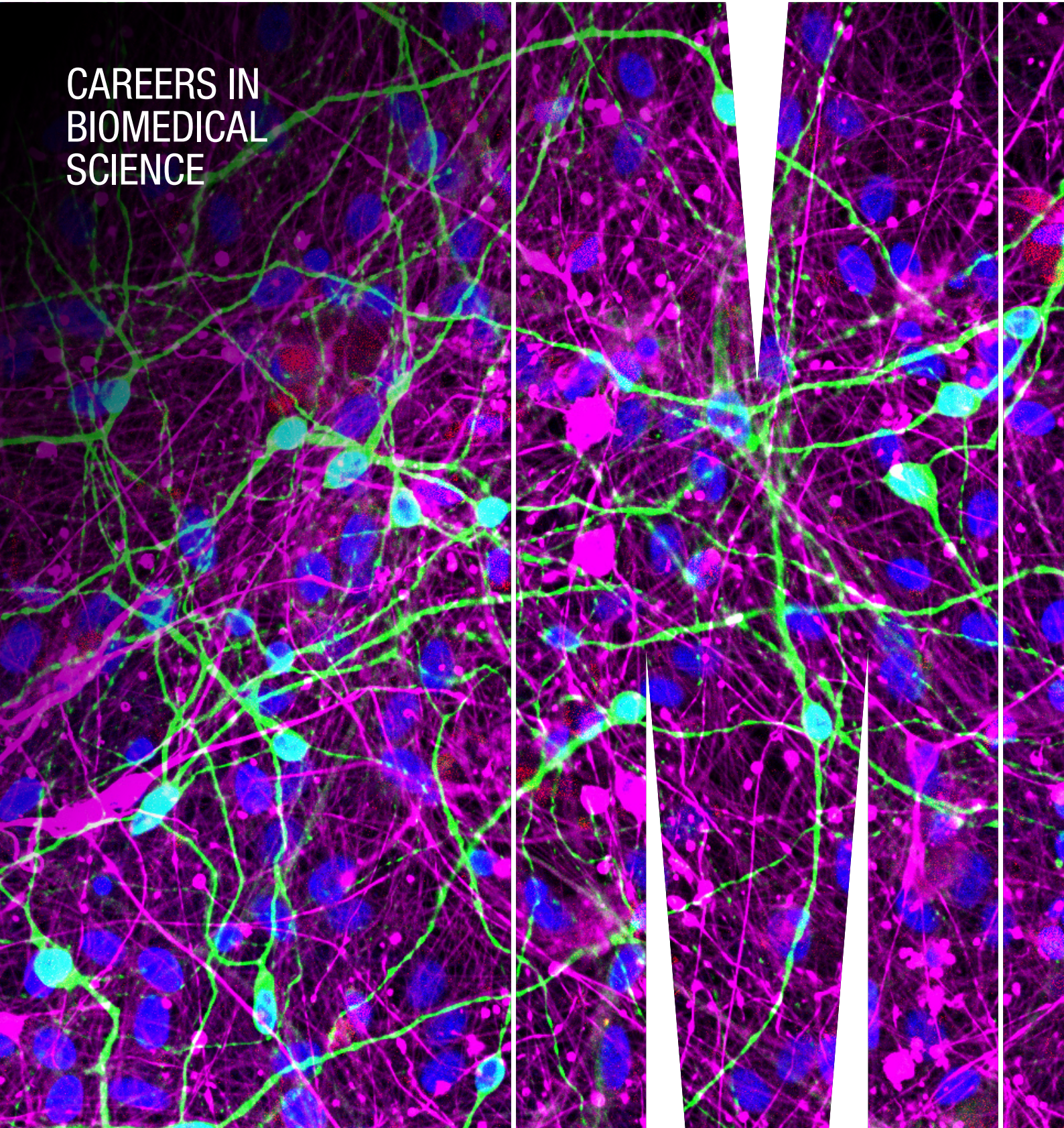


CAREERS IN
BIOMEDICAL
SCIENCE



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Monash Micro Imaging.

Nikon C1 Invert Confocal microscope
Guizhi Sun
Department of Anatomy and Developmental Biology
Monash Biomedicine Discovery Institute

WELCOME

Studying biomedical science opens up a world of exciting career possibilities. This guide aims to help you get started exploring these. It also provides essential information about programs and resources that will enable you to develop critical transferable skills that are highly valued by employers.

Biomedical science students are often drawn to the discipline because they are interested in combining their love of science with a desire to improve health outcomes for individuals and communities. Many of you will be considering your options after graduating – perhaps you're interested in going into research or pursuing a career in medicine. But your options don't end there. Did you know that your biomedical science degree can lead to a career where you drive health policy and inform government regulation of the health sector? Or that you might assist companies with commercialising medical research? Potential careers include designing medical technologies, allied health professions, forensic science, or in the education sector. These are just some of the many careers that begin with your Bachelor of Biomedical Science degree. The alumni profiles in this guide are testament to this fact. Career paths are much less linear than they were in the past, and we know that current students are likely to change their careers many times throughout their working lives, some undertaking roles we have not yet imagined. For this reason, it is important to not just think about the content you will be learning, but to consider the skills you will develop within your course that will prepare you for many different roles in many varied industries.

As part of your biomedical studies, you will have opportunities to be involved in research projects (3990 'Research in Action' units), a laboratory intensive (BME3030) or a work placement unit (BME2032) and I encourage you to take advantage of these opportunities. This will support you to develop a skill set that is highly valued by the health and biotechnology industries, as well as by non-science industries. Be inspired by our alumni stories as you start to explore the many career options that stem from studying biomedical sciences. I wish you all the best in your careers.



Professor Julia Choate
Course Coordinator
Bachelor of Biomedical Science

Acknowledgement

We acknowledge the traditional lands of Indigenous peoples.

The Faculty incorporates the Aboriginal and Torres Strait Islander Curriculum Framework in educating future health professionals. You will learn skills in respect, communication, safety and quality, advocacy and reflection to improve Indigenous health.

Monash is committed to facilitating the entry of Indigenous students into courses. There are a range of pathways, entry points, bursaries, scholarships, accommodation, tutorial support and cadetships. To learn more about entry requirements and our Indigenous Access Interview, contact Gukwonderuk Indigenous Health staff via email at med.indigenoushealth@monash.edu or 03 9905 3828.

GRADUATE CAREERS

It's a great time to be a biomedical science graduate as the biomedical industries are experiencing high growth in Australia, and employers are seeking candidates with scientific skills and knowledge.

Australia is ranked as one of the world's top five countries for biotechnology innovation, and the medical technology and pharmaceutical sector is our tenth largest export*. The Victorian Government has identified medical technologies and pharmaceuticals as one of the state's six future industries, which are priority sectors that are set to experience economic growth and create high-wage jobs for highly skilled employees.

**MTPConnect.org.au, 2018*

Below are some examples of fields related to the biomedical sciences in which you could find work without needing to complete further study.

Pharmaceutical Industry

In the pharmaceutical industry, you could find work that relates to medical services, the marketing and selling of drugs, clinical development, business development or regulatory affairs.

Examples of job opportunities:

- GlaxoSmithKline Commercial Management (Pharmaceutical) Future Leaders Program
- Roche Pharma Graduate Program
- CSL Behring Graduate Program (Commercial Operations Stream)

Commercialisation and Biotechnology

In this field, you could be involved in transforming biomedical research into marketable products and services. Opportunities exist in both the government and private sector.

Examples of job opportunities:

- Australian Defence Force Graduate Program
- Department of Industry, Innovation and Science Graduate Program – Australian Government

Health Promotion and Policy

Health promotion and policy could see you apply your knowledge of biomedical sciences to prevent disease and improve the health of communities and populations. Some jobs in health promotion and policy don't require further study, such as State or Federal Government graduate programs.

Examples of job opportunities:

- Department of Health Graduate Development Program – Australian Government
- State government policy generalist graduate programs – Victorian Government or other state governments

Research Management

If you're interested in biomedical research but don't want to work in a lab yourself, a career in research management could be for you. Research managers strategically plan and coordinate research projects, manage budgets and identify research priorities.

Employers of research managers include universities and research institutes. Work experience in a biomedical related industry is generally required.

Health Insurance

The private health insurance industry is essential to the Australian health system, providing insurance coverage for almost half of the population. Working in this industry could give you opportunities to educate customers and promote health and wellbeing, as well as managing relationships with customers and other stakeholders

Examples of job opportunities:

- Medibank Private Graduate Program (Health Management stream)

Laboratory and Facilities Management

Laboratory and facilities managers combine scientific expertise with managerial skills to ensure that lab operations run efficiently and effectively. Their tasks often include strategic planning and coordination of lab activities and managing staff. Laboratory and facilities managers can find work in private or university labs.

Food Technology

Food technologists use their knowledge of biological and chemical sciences to research, develop and manufacture food products that meet consumer needs. They may also be involved in quality control and food safety.

Examples of job opportunities:

- Coles Graduate Program (Product Technology stream)
- Woolworths Graduate Program (Product Development and Quality Assurance stream)
- Mars Graduate Program (Research and Development stream)





ALUMNI PROFILE

ANGEL YOUNG

Program Support Officer,
Victorian Comprehensive Cancer Centre Alliance

Bachelor of Biomedical Science (2019)

My role involves supporting the coordination of implementation of research and educational projects to facilitate more rapid translation of research-derived evidence into clinical care. One of the most exciting aspects is the dynamic nature of the work. No two days are ever the same, and each day brings new challenges and opportunities to learn and grow. The fast-paced environment keeps me engaged and motivated, always pushing me to aim for excellence.

What truly drives my passion is witnessing the impact of our work on the patients' lives. Knowing that our efforts could contribute to improving outcomes for cancer patients is deeply inspiring. The opportunity to collaborate with brilliant minds in the field, including scientists, clinicians, and healthcare professionals, adds to the excitement and satisfaction of the job. We are all united by a common goal – to advance cancer treatment and offer hope to those affected by this disease. Being part of this journey and contributing to scientific advancements fuels my dedication and commitment to this field.

How I got here

After completing my bachelor's, I realised that I wasn't passionate about pursuing medicine or the research pathway. While many of my peers continued to graduate degrees, I wanted to use my knowledge and skills in science in a different capacity, so I decided to take a gap year to work and explore my interests. I worked in various roles, from working as a Research Assistant at a genetic company to clinical trials at Monash University. Eventually, I found my current role in project management within cancer research, which I absolutely love.

What skills did you develop during your Monash Biomed degree?

My Biomedical Science education have not only prepared me for the technical demands of my career, but also provided me with a solid foundation in critical thinking, data analysis and managing complex projects.

Presenting research findings, writing scientific reports, and collaborating with peers helped me develop strong communication skills. These skills are crucial in my current role for conveying complex information clearly and effectively to team members, stakeholders, and external partners.

What advice would you give to current Biomed students who are interested in your career path?

Enjoy where you are now. I spent much of my degree worrying about the future and what I'd end up doing. Looking back, I wish I had enjoyed my university experience more.

Getting into Biomedical Science is already a significant achievement, so take the time to appreciate where you are now. Make new friends, enjoy the moments, and celebrate your achievements along the way.

It's okay to not always know where you want to go, as long as you keep moving. You don't have to follow the traditional route just because it seems like everyone else is. You don't have to jump straight into graduate school or pursue a doctorate right away. Take the time to discover what truly excites you and what you're passionate about. The opportunity to study further will always be there when you're ready.

Don't be afraid of making mistakes! Every step you take is an experience that shapes who you are and is simply part of your journey. Mistakes are valuable lessons that contribute to your personal and professional growth.



ALUMNI PROFILE

ELLA O'CONNELL

Senior Recruitment Consultant,
Sharp & Carter

Bachelor of Biomedical Science (2021)

My role involves working with both job seekers and hiring managers in their search for either the next role, or new talent, respectively.

I love meeting new people every day, being able to hear different stories, career pathways, personal journeys. It is inspiring to hear the stories of how people reached where they are now in their careers, and it brings me so much joy to play a part in that process.

Looking for a new job and starting in a new role can be a huge decision, and I feel grateful that people trust me to support them through that.

How I got here

The transferable skills that I gained during my Biomedical Science degree such as problem solving, negotiation and communication definitely gave me a good standing to move into a corporate role.

I worked part time throughout my studies in sales and marketing roles which also helped, and I volunteered with Monash student bodies during my degree which helped grow my business understanding and confidence.

What skills did you develop during your Monash Biomed degree?

Communication, problem solving, technology literacy, teamwork and relationship development, confidence.

What advice would you give to current Biomed students who are interested in your career path?

Say yes to the opportunities that present themselves throughout your studies even if it's outside your comfort zone - you never know the skills you will develop, the people you meet and where it might lead you.

Explore all that Monash has to offer to you! Whether that means joining a club, visiting the different libraries, taking an elective in a different area of interest... there are so many opportunities that will suit your interests and skills so seek them out! Voluntary and extracurricular activities add so much value and enjoyment to your experience doing a university degree.

ALUMNI PROFILE



HANNAH HSU

Strategy and Insight,
CSIRO

Bachelor of Biomedical Science (2014)

At CSIRO, my role involves helping shape the direction and impact of their investments and research activities. I support both science and business functions in thinking strategically about maximising impact.

It is the perfect amalgamation of my academic background in biomedical science, as well as my professional experience in corporate finance and strategy consulting. I work with great people for a really important cause.

How I got here

I didn't really have it all mapped out when I left Monash. Whilst I loved research, I knew working long hours in a lab wasn't for me. I decided to jump right into a generalist corporate graduate program. I found a business that resonated with my values and offered positions to graduates from all degrees.

I then transitioned from the graduate program to a Corporate Finance role, followed by Mergers & Acquisitions, and finally Management Consulting. Having had such varied professional experiences, I've developed a well-rounded arsenal of tools that I can now apply here at CSIRO.

Did you do any further studies after your initial bachelors?

Not yet. Having just had two children over the last 3 years, it's not the right time for me to be juggling work and part-time study. I will be pursuing further study in the future.

What skills did you develop during your Monash Biomed degree?

Biomedical science equipped me with the foundational skills to interrogate efficiently, absorb information quickly and apply knowledge creatively. I would argue that these are the critical building blocks in any career pathway, particularly in professional services.

What advice would you give to current Biomed students who are interested in your career path?

As a Biomedical Science student, it can be easy to pigeon-hole yourself as a specialist. You've studied cell metabolism for the last 3 years so hey, why not?

I've found that this mindset can inhibit your ability to pursue a more well-rounded career. Try to value the intangibles your degree brings to you; your ability to synthesise complex information quickly and explain or present it, your ability to ask the right questions, your ability to think outside the box (how else would you design a drug!?). Look for commonalities between your areas of study and the career you'd like to pursue. When you find them, you will find the confidence to apply your learnings.

Most importantly, don't undersell yourself.

You can get started on broadening your horizons right now - networking beyond your cohort can give you the perspective and connections you need to thrive beyond university. Attend that Commerce networking night, go to that careers fair and talk to every employer you can!

Whilst transitioning from school to university can take some adjustment, take every opportunity you can to stay grounded and well-rounded. Continue to see your friends who are studying other disciplines. Mingle with students who are both younger and older. Talk to those who are working in a field you may be interested in. Begin to answer that critical question - 'what makes me happy?' - even if it's by process of elimination.



ALUMNI PROFILE

KATE BEARD

Medical Advisor,
Novo Nordisk Pharmaceuticals

Bachelor of Biomedical Science (2016)

Novo Nordisk supplies ~half of the world's insulin, and other life changing medicines, globally. I work as the national medical advisor for Insulin where I am the owner of a medical strategy that I create and execute. My strategy aims to prepare the healthcare environment for new medicines and improve patient outcomes and health care professional experience with our medicines.

In pharma there are different areas you can work in; clinical trials, manufacturing, regulatory affairs, medical affairs, patient access and commercial/marketing (& more!). My role sits in the Medical Affairs department. I love working in medical affairs because I've been hired as clinical and scientific expert, and this means I educate colleagues on the science and also work closely with external medical experts on projects and other work. Working with medical professionals is very rewarding and enjoyable, and I see what I do making a difference in the lives of real patients.

How I got here

After Biomed I wasn't sure what to do, I didn't do honours and didn't have the grades for medicine. I started in the industry with AstraZeneca (AZ) as a GP sales representative. After a few years in sales roles, I moved into the field medical team at AZ as a Clinical Science Liaison, where I visited medical professionals to discuss medicine but more from an educational approach rather than sales. I moved to Novo Nordisk in another field based medical role called a Medical Science Liaison (MSL) and worked my way up into my current role.

Did you do any further studies after your initial bachelors?

- Postgraduate studies

I started further study once I had a better idea of the direction my career was taking. I completed a Master of Pharmaceutical Medicine at UNSW.

What skills did you develop during your Monash Biomed degree?

Doing a degree taught me essential "Soft Skills" including how to work in a competitive environment, how to multitask, presentation skills, project management, teamwork and people management skills. I would say Biomed specifically taught me creativity, scientific analytical skills and the ability to quickly digest scientific data. Being able to take complex science and use my creative and scientific skills to then explain that science back to a broad range of people has been essential for my career.

What advice would you give to current Biomed students who are interested in your career path?

Industry experience leads to more industry experience. I have told Biomed and Science grads before "if you sweep the floors at "Company X, then Company X AND Company Y are more likely to interview you for the next step in your career". There is no shame in ANY role in a reputable company. You are not likely to land your dream job straight out of Biomed and that is OK! Be flexible and think long term. If you're interested in a role like Medical Advisor, breadth of experience is appreciated. Take the sales role, admin, customer service, it's all valuable.

You can get so much out of this degree that is beyond just handing in assignments and going to labs, and you should take every opportunity to reflect and learn. It sounds like more work but you're actually already doing the work but not realising you hit GOLD. Biomed seriously gives you the type of experience that will get you hired, but you need to journal it, remember it, practice reflecting on your experience.

Every unit you should think, "BMSXXXX, what did I achieve or learn from that I can talk about in an interview?"

RESEARCH

A career in research

By working in research, you can tackle the big questions in the biomedical sciences and make real progress in improving human health. This rewarding career path allows you to make innovative and novel contributions to the existing body of knowledge in the biomedical sciences. You'll continually learn new things and challenge yourself intellectually. If you later decide that you want to work in the commercial sector or biomedical industry, a research degree will leave you well placed to enter a high-level position.

Research at the Monash Biomedicine Discovery Institute (BDI)

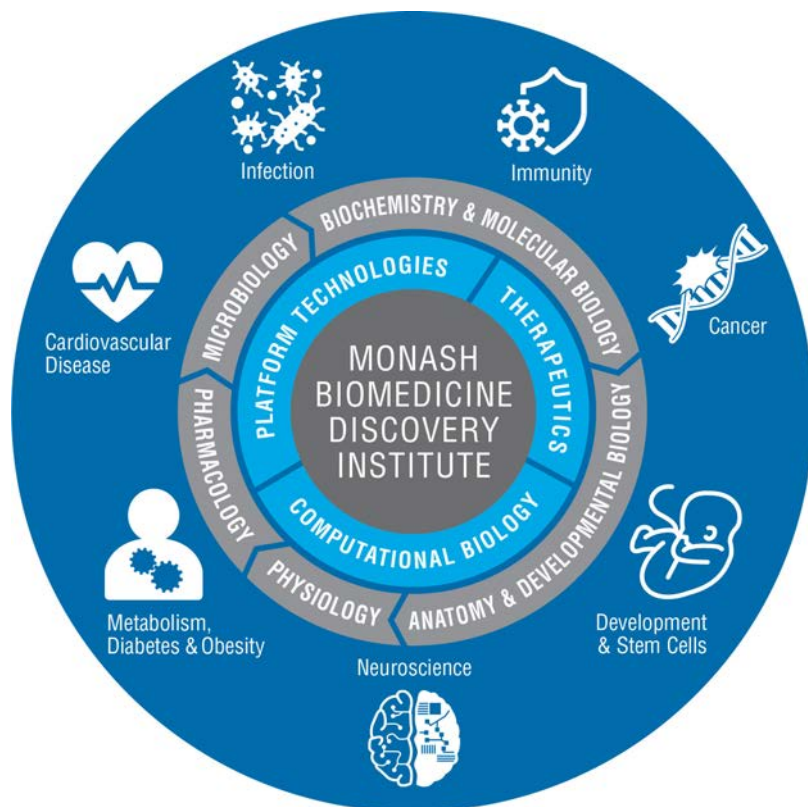
The Monash BDI is part of one of the largest and most successful medical research hubs in Australia and the world. By pursuing research in biomedical science at Monash, you'll be part of the Monash BDI and have access to the exciting opportunities it has to offer.

The Monash BDI is home to world-renowned labs that undertake groundbreaking research on a range of areas within the biomedical sciences. You could join one of more than 120 internationally-renowned research teams and work on exciting projects such as stem cell research or the development of bionic eyes.

Your BBiomedSc will equip you to pursue a research degree in any of the Monash BDI's six disciplines:

Roles in Tertiary Education

A research degree can also be a pathway to education-focussed roles in tertiary institutions. For example, you could work as an education designer, lecturer or a teaching associate for a biomedical science course. In these roles you can help to improve the quality of tertiary teaching and course design, which ensures that students graduate with a high standard of skills and knowledge. In a tertiary education role, you can stay up-to-date with innovations in the biomedical sciences without needing to solely focus on conducting research yourself. You can also teach students directly, which allows you to use your knowledge of and passion for the biomedical sciences to inspire future leaders in the field.



MONASH BDI AT A GLANCE



700
RESEARCHERS



120+
RESEARCH GROUPS



700+
PUBLICATIONS PER YEAR



\$50m
ANNUAL RESEARCH INCOME



\$14m
INDUSTRY FUNDING



Approximately
270
PHD STUDENTS



200+
INTERNATIONAL
RESEARCH COLLABORATORS



TOP 50
TIMES HIGHER EDUCATION
WORLD RANKING 2015/16



ALUMNI PROFILE

BRAD EDWARDS

Director,
Sleep and Circadian Rhythms Program

Bachelor of Biomedical Science (1999)

I am currently working at Monash University where I am the Director of the Sleep and Circadian Rhythms Program as well as Head of the Sleep Disorders Research Laboratory.

As the head of the sleep disorders research lab, our program aims to discover more effective treatments for patients with sleep disorders. I thoroughly enjoy collaborating with my team; we've fostered a familial environment where everyone supports each other's success. This aspect of my work is incredibly fulfilling.

How I got here

Upon completing my BMS degree, I secured a research assistant role at the Ritchie Centre within the Hudson Institute, focusing on cardiorespiratory physiology. After three years, I took a few months off to fulfill my dream of backpacking across Europe.

During this break, I realized my desire to lead research rather than conduct experiments designed by others. Upon returning, I commenced a PhD in respiratory physiology, a field that had piqued my interest in my prior role. Concurrently, I worked at a clinical sleep laboratory, preparing patients for overnight sleep studies. It was then I discovered the relevance of my PhD research on breathing control to sleep disorders. The only laboratory exploring this connection was at Harvard. Following a visit, they offered me a postdoctoral position, where I spent the next six years.

As my tenure at Harvard was concluding, Monash University recruited me to establish my own laboratory, which brings me to my current position.

Did you do any further studies after your initial bachelors?

Yes.

- Bachelor of Biomedical Science (hons)
- PhD (respiratory physiology)

What skills did you develop during your Monash Biomed degree?

- How to do quantitative assessments
- Conduct literature reviews
- Organisation and time management (priority setting)
- Basic experimental design
- Statistical/Analytical skills.

What advice would you give to current Biomed students who are interested in your career path?

If you're interested in a career in research, make sure you find an area that you have a passion for. It makes coming to work so much more fun when you enjoy what you are researching.

For commencing and continuing biomed students, be open to every opportunity that comes your way. Follow your interests. Be bold. When you're at uni, aim to gain a variety of experiences, such as work experience, internships, and volunteering, in fields you're interested in pursuing. Sometimes, what appears appealing from the outside may not be as fulfilling when experienced on a daily basis. Conversely, you may discover something incredibly fascinating that you had never known about before.

CAREERS IN NON-BIOMEDICAL INDUSTRIES

Studying a Bachelor of Biomedical Science double degree allows you to develop high-level analytical and problem-solving skills that qualify you for a wide range of graduate careers. There are opportunities in each double degree discipline for careers that will combine your two areas of interest and allow you to draw on knowledge gained in both degrees.

Commerce

For BComm/BBiomedSc double degree students, there are numerous opportunities for graduate careers in commerce disciplines that will also allow you to pursue your interest in health and biomedical science. For example, you could work in roles in marketing for a pharmaceutical company, or business development related to the healthcare sector.

Many commerce graduate programs also accept applications from students who have completed an undergraduate degree in a discipline other than commerce, meaning that you can apply with a BBiomedSc single degree. In many commercial careers, such as strategy or management consulting, you'll be able to apply the problem-solving skills you've gained in your studies of biomedical science.

Law

There are several areas of law in which your degree in biomedical science will be an asset, or even a prerequisite. These areas may include patent law, public health law and forensic law. Pharmaceutical companies, government regulatory bodies like the Therapeutic Goods Administration (TGA) and law firms specialising in patents for medical technology will all be interested in your skillset. To practise as a lawyer, you'll need to follow the process for admission by the Supreme Court of Victoria.

Engineering

The intersection of engineering and biomedical science is an area of high job growth that offers opportunities to develop biomedical innovations that improve lives. Advances in biological sciences and demand for technological solutions are creating new opportunities for engineers. In the coming decades, engineering will be transformed as it fuses with developments in biomedical science.

The work of biomedical engineers is varied. For example, they might design, test and develop a range of medical devices such as artificial internal organs and prosthetic limbs. They may also design software that runs medical equipment, or carry out computer simulations to test new drug therapies. To work as an engineer, you'll need to follow the process for accreditation.



ALUMNI PROFILE

MAGGIE LIEU

Medical Science Liaison (MSL),
Menarini

Bachelor of Biomedical Science (2014)

My role integrates science and strategy - I build strong relationships with healthcare professionals and discuss the latest scientific information for our pipeline and launched products so that they can make informed decisions about patient care. I obtain insights which are brought back to my company to share with internal cross-functional teams to shape strategy. My role also involves actioning key insights from the customer environment through strategic projects including medical education, research projects and advisory boards to ultimately improve patient care. I am also fortunate to coach other MSLs and aspiring MSLs to master the craft of customer engagement and insight gathering/actioning.

What I love about the job is the science, people and strategy. The science behind the medicines I work with is truly fascinating and have loved that I have been able to carry my passion for science from my university studies forward. My job allows me to work with a variety of internal and external stakeholders and meet some of the best healthcare professionals in the world. Additionally, I love that the insights I obtain from my field discussions go on to shape my team and company's strategy to ultimately improve the lives of patients.

How I got here

- Bachelor of Biomedical Science (Advanced Hons)
- PhD, Pharmacology at Monash University
I loved research, so I continued to complete a PhD in Pharmacology at Monash University.
- Following my studies, I wanted to understand the translation of what I was doing in the lab into the clinic and landed a role at St Vincent's Hospital in clinical trial start up.
- Life Science Solution Consultant at Clarivate before landing into a pharmaceutical industry in the medical affairs division and have been in this industry for >3.5 years.

What skills did you develop during your Monash Biomed degree?

A key skill I developed through my studies was undoubtedly scientific acumen, which I use day-to-day as part of my current role. I learnt how to effectively critically analyse, synthesise and communicate scientific information to various audiences. Furthermore, the degree prepared me for collaboration in group projects, a critical skill that is essential in the pharmaceutical industry when working with various internal and external stakeholders.

What advice would you give to current Biomed students who are interested in your career path?

- If you love talking about science but don't see yourself being in the lab, then the MSL role is something definitely to consider as a career path. Entry into the pharmaceutical industry and the MSL role can often be challenging. Thus, I would advise one to network, network and network! Step outside of your comfort zone and talk to various people within the pharmaceutical industry and medical affairs function to understand what they do and their career paths. The network you have made could help you get your first role in the industry (as it did for me!). Furthermore, as the MSL role is one where you spend your days talking to people within the company and externally, the networking skills you have formed will set you up for success!
- Fully embed yourself into the university experience. Through this journey, you will understand what area of biomedical science aligns with your interests.
 - Embrace the course as along the journey you will develop key skills such as scientific acumen, collaboration and communication that will set you up for the future.
 - Start networking! Talk to various people within and outside of university to understand what they do and their career journey. From here, you can start to uncover what types of roles align with your interests post-university degree.

GRADUATE STUDY PATHWAYS

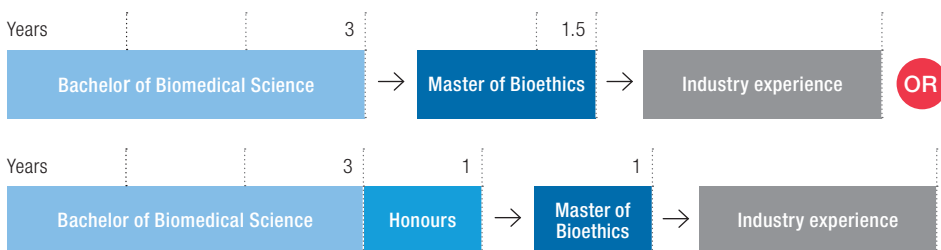
As a biomedical science graduate, you have access to a range of graduate pathways, both at Monash University and at other universities. A sample of options is provided below.

Monash Postgraduate Pathways

Please note that all details are correct at the time of writing but are subject to change. To see the most recent course details, please visit monash.edu.au/study/courses.

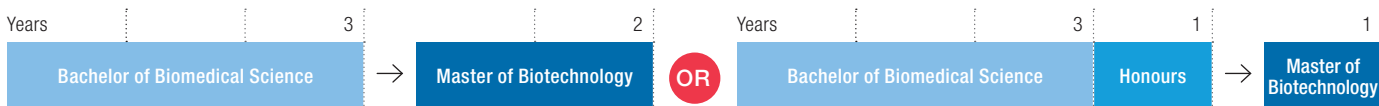
Bioethics Policy Advisor

Is the genetic enhancement of humans ethically justified? Should we proceed with research trying to clone people? As a bioethics policy advisor, your work could involve giving healthcare professionals or policymakers advice about perplexing ethical questions like these.



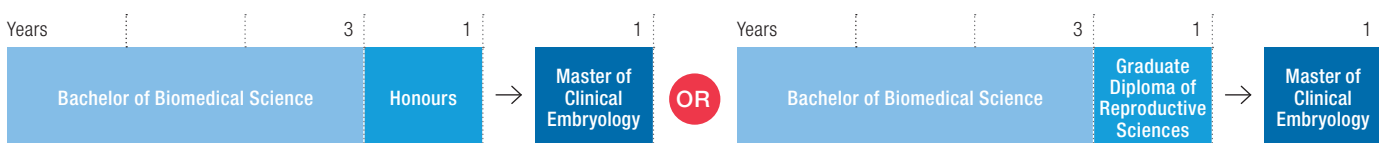
Biotechnology Entrepreneur

Biotechnology entrepreneurs translate scientific breakthroughs into products or services. They are often involved in obtaining research funding and identifying gaps in the market where there is demand for new biotechnologies. As a biotechnology entrepreneur, you can make lasting changes to human healthcare by commercialising research and making biomedical innovations accessible to the public.



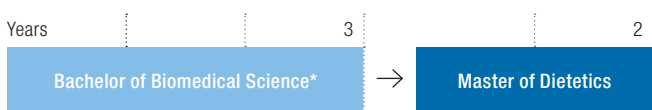
Clinical Embryologist

Clinical embryologists assist in treating fertility problems in laboratories. By completing a Master of Clinical Embryology, you will be trained to use all assisted reproductive technologies, such as IVF. A clinical embryologist's tasks often include sperm and embryo handling and assessment, as well as IVF and cryopreservation techniques, including vitrification of gametes and embryos.



Dietician

As a dietician, you can use your knowledge of the biosciences to help people to understand the relationship between health and nutrition. Dieticians educate both individual patients and the general public about optimising dietary intake, which can improve health and wellbeing on a large scale. You could work as a private practitioner, a medical and surgical dietician or in public health nutrition.



*must include NUT1011 as an elective



ALUMNI PROFILE

THARINDU JAYADEVA

Lived Experience Participation Lead,
Alfred Health

Bachelor of Biomedical Science (2015)

I work in the public mental health system and through this role I get to lead and support system reform initiatives, community engagement and co-design. This involves working in partnership with people with a lived experience of mental illness, clinicians and other health professionals to improve the way our health systems provide care.

I love being able to hear the stories and experiences of community members who trust us, as people who work in the health system, to provide care in a way that is safe, supportive, equitable and trauma-responsive. It also opens up the many opportunities to work within the health system that are in a non-clinical capacity. I find myself not only having opportunities to offer my own expertise, but this area of work encourages me to be curious about how to do things differently. This means I'm learning something new every single day, which is a privilege to continue to do after finishing my university degree, and has positive impacts on me both professionally and personally.

How I got here

My Biomedical Science degree provided me with the analytical skills to critically reflect on how to do things differently, and also introduced me to how public health systems operate. With this background and interest in public health, and by leaning into my own lived experience of mental ill-health, I moved into working in the youth mental health sector. I started in mental health promotion, lived experience storytelling and program design at headspace, batyr and Orygen, and in the design of mental health supported housing at Homes Victoria, all through a lens of contributing to mental health literacy and system reform as a result of the Royal Commission into Victoria's Mental Health System.

Did you do any further studies after your initial bachelors?

Master of Public Health

One of my electives during my Biomedical Science degree was focussed on public health, which inspired me to take my learnings and apply them on a community-level through a Master of Public Health.

What skills did you develop during your Monash Biomed degree?

Being able to critically analyse scientific information, as well as learning how to translate research into practice, were valuable skills I developed through my Biomedical Science degree. Throughout my career, I've seen how important it is to provide accurate health information in

culturally safe and trauma-responsive ways. By doing so, as someone who works in the public health system, I'm able to address misinformation and disinformation, communicate to community members in meaningful ways, and work towards empowering them in their own mental health care.

What advice would you give to current Biomed students who are interested in your career path?

I would encourage current Biomed students to engage in participation projects to get a sense of what's involved and how they might get involved. I found it really helpful to use this to understand my 'why' of working in the mental health sector, which then helps me to question how we might do things differently with community needs in mind.

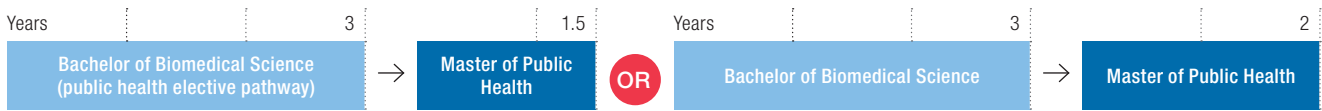
I'm a very big advocate for lived experience storytelling, and with that in mind I'd also encourage current students to be open, curious and willing to listen to different perspectives and experiences in different sectors. For us to work towards mental health system reform, we need to address the intersectional experiences and needs of our communities. This provides us with insights on where potential work might be, and invites us to practice empathy and innovation in the process.

Some of the best advice I received in my first year was to be curious about the different opportunities a Biomed degree can offer, and lean into a diversity of learning experiences that aren't typical to a traditional Biomedical Science pathway. Regardless of where you might go after a Biomed degree, the breadth of insight that you can gain through your degree will be helpful in not only understanding the ins and outs of biomedical science and the health system, but also in understanding where your own interests lie.

When I first started my Biomed degree, I had no idea that working in mental health system reform and community engagement would be an area of interest to me. It was only through undertaking electives and engaging in volunteering opportunities on-campus that I was able to learn more about these spaces and how I might show up best within them.

Epidemiologist

Epidemiologists research, monitor and analyse the prevalence of diseases within populations. They often educate the public about diseases, and may work to identify environmental and genetic risk factors that lead to certain diseases. Epidemiologists also provide insights to government departments and policy makers about how infectious outbreaks can be contained and prevented.



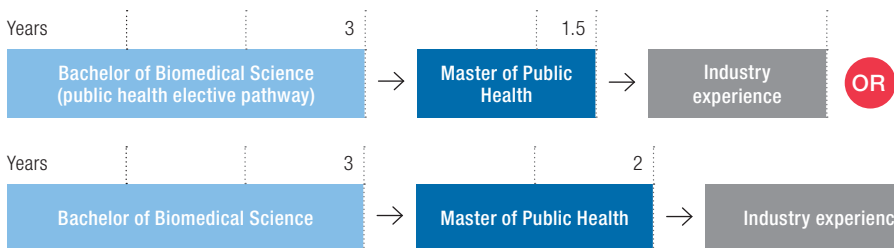
Forensic Scientist

At the intersection of medicine and the law, forensic science allows you to apply your knowledge of biomedical science in the interests of justice. Forensic scientists can prove the existence of a crime or the identity of its perpetrator by examining and interpreting physical evidence.



Health Promotion Manager

A career in health promotion management could see you tackling today's greatest problems in population health. You could improve human health on a large scale by working in a leadership role at a hospital, for a government health department or for a non-government organisation like the World Health Organisation or the Red Cross.



Nurse

Nurses are an integral part of any health system. Typical nursing duties include providing pre- and post-treatment care, monitoring and administering medication and supporting patients and relatives through the treatment process. You can choose to work in a number of specialty areas – such as acute care, paediatrics and medical-surgical nursing.



Occupational Therapist

As an occupational therapist, you can help people of all ages to overcome barriers preventing them from fully participating in everyday life. You could work in private practice, at a school or for social services to help people overcome issues caused by illness, ageing, developmental delay or psychological difficulties.



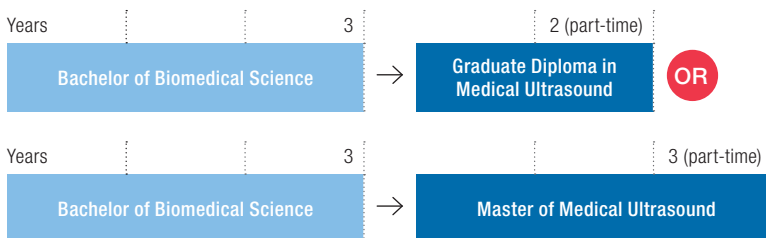
Radiation Therapist

Radiation therapists design and deliver treatments using ionising radiation for patients with cancer or benign conditions. They use advanced computer systems to maximise dose to the affected area and minimise radiation to surrounding healthy tissues. A career as a radiation therapist allows you to use your scientific and technological expertise while also being involved in patient care.



Sonographer

Sonographers conduct diagnostic medical ultrasound examinations using a range of equipment to produce records of anatomical structures and pathophysiological data, which can be used for a wide range of clinical applications. Sonographers plan and tailor the ultrasound examinations depending on their findings and the purpose of the examination.



Teacher

Do you want a career that allows you to share your expertise in biomedical science to inspire future generations? Teaching is a rewarding career path that will allow you to use your knowledge of biomedical science (or another discipline) to educate students. You can choose to specialise in early childhood, primary or secondary education – or a combination of these.





ALUMNI PROFILE

ANTONY SUTHERLAND

Clinical Trials Coordinator Team Leader,
Haematology Research Unit, Monash Health.

Bachelor of Biomedical Science (2010)

Leading a team of clinical trial coordinators and research assistants, we facilitate early phase clinical trial treatment for blood cancer patients – with particular focus on first in human phase 1 leukaemia and high grade lymphoma trials.

As clinical trial coordinators, we have a highly variable but crucial role as facilitators of the implementation of clinical trials within the healthcare system – often as the conduit between patients requiring treatment, supporting/guiding doctors implementing the treatment, liaising with nurses/pharmacists/hospital wards to facilitate treatment planning and logistics, and the trial project teams managing the trials.

For me personally, I love being at the cutting edge of translational research from “lab bench to clinic” so to speak. Many of the studies we work on are the first of their kind testing new novel therapeutic agents for newly discovered potential targets – and I find that fascinating and exciting from a scientific standpoint. As coordinators, we also become extensively involved in the patient’s treatment journey and their ongoing clinical carer – which can be incredibly rewarding privilege to be part of.

How I got here

Everyone’s journey into clinical trials is different. Our coordinators have a mixed background of clinical and scientific training, often coming from other professional roles in different spaces beforehand. My journey started in laboratory research, spending a number of years across within different research groups around Melbourne – though I always felt that the lab bench life was not for me (but not sure what else to do!). It was a serendipitous opportunity within the hospital I was working to move into clinical trials and away from the lab bench that introduced me to a career I wasn’t aware of – and I’ve never looked back. This is also a key reason I look to educate others about this growing profession within healthcare and industry – it’s a pretty amazing professional pathway to be part of.

Did you do any further studies after your initial bachelors?

- Honours

After finishing my bachelor of biomedical science, I undertook an honours research year within the department of pharmacology at Monash University (which I greatly enjoyed!).

- Postgraduate studies

Now, further along my professional journey, I’m completing a Masters of Cancer Science online alongside my role at Monash Health.

What skills did you develop during your Monash Biomed degree?

I think the most important skillset that undergraduate scientific degrees give you is exposure to a deep breath of different medical fields and areas of research – with an emphasis on allowing you to find your own professional paths of interest. You’ve got to be passionate about what you do!

What advice would you give to current Biomed students who are interested in your career path?

Clinical Research is an exciting and constantly evolving space which will continue to grow in the Australian healthcare story in years to come. The first step is knowing that the clinical research profession exists – and is likely present at a tertiary healthcare system near you! Find out about local clinical research teams at different hospitals around Melbourne (many large hospitals have clinical research units for each disease specialty, for example) and other clinical research organisations (CROs) to discover what opportunities might be out there.

Enjoy the ride! There are so many amazing learning opportunities ahead of you over the next few years of undergraduate education, make sure you make the most of them – and let yourself be inquisitive! If you embrace this, and stay open minded, you never quite know what pathway ahead might open up for you.

Other Postgraduate Pathways

Please note: as these professional pathways are not offered by Monash University, this guide can only provide a general indication of the length and details of the relevant postgraduate courses. To find specific entry requirements and course details, please visit the websites of universities around Australia where relevant courses are offered.

Clinical Audiologist

Clinical audiologists examine and evaluate patients' hearing ability and balance. They identify causes of hearing problems, as well as planning and delivering treatments to assist patients to manage, improve and preserve their hearing. Clients can range from the very young to the very old. Clinical audiologists may work in a variety of settings such as hospitals, private clinics or education centres.



Dentist

Dentists prevent, diagnose and treat diseases and injuries of the teeth, jaws and mouth. Their tasks may include repairing tooth decay, preventing tooth and gum disease, extracting teeth and educating patients about oral hygiene. There are opportunities to work in public or private practices, and to specialise in fields such as orthodontics, endodontics and prosthodontics.



Genetic Counsellor

Genetic counsellors work in multidisciplinary teams to diagnose, manage, predict and screen for genetic disease. As a genetic counsellor, you'll use your communication skills to support patients affected by genetic conditions and their families. You'll use your knowledge of human genetics to interpret test results and explain these to patients. A genetic counsellor's tasks also include analysing family history information and assessing the risks of inheriting or passing on a medical condition.



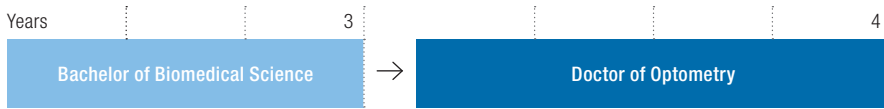
Veterinarian

If you love animals and want to improve the standard of healthcare they receive, a career as a veterinarian could be for you. Veterinarians diagnose, prevent and treat the illnesses and diseases seen in animals. This can include conducting tests, prescribing medication or therapy and performing surgery. Veterinarians also work closely with owners to ensure that the care they provide is of a high standard, and have the option of specialising in a particular field of veterinary medicine.



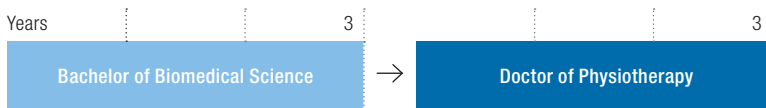
Optometrist

Optometrists detect, diagnose and treat eye diseases. Optometry is a primary healthcare profession, meaning that optometrists work closely with patients and the community. Their main focus is generally to prescribe glasses and contact lenses, and to educate patients about maintaining their optical health.



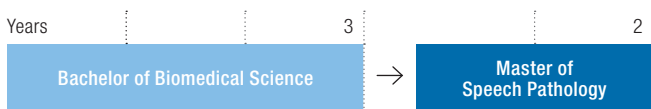
Physiotherapist

Physiotherapists identify, diagnose and treat musculoskeletal conditions. They primarily use techniques to strengthen muscles and manipulate joints to improve mobility. Physiotherapists can work in a range of environments such as hospitals and private practices, and have opportunities to specialise. Their tasks could include helping a patient relearn to walk or treating players from a sporting team.



Speech Pathologist

Speech pathologists assess, diagnose and treat various communication disorders in both children and adults. They commonly address issues of speech, language, fluency and using voice. Speech pathologists often work with children who have failed to develop normal communication, adults who have acquired communication difficulties as a result of disease or injury, and people with certain disabilities that affect their ability to communicate.







GLOBAL CAREERS

Your BBiomedSc opens up a range of possibilities for international work and study. During your studies, you can go on exchange for a semester or do a short-term international study program, all while earning credit towards your degree. After graduating, you might choose to work in another country or to pursue a Master's degree, PhD or postdoctoral research at a university overseas.

As part of the Career Success Coaching program, Career Connect runs workshops on finding a job in the following regions:

- Asia
- North America and Canada
- the UK, Europe, Middle East and Africa.

Exchange and Study Abroad

Going on exchange during your undergraduate degree can help you build an international network and increase your awareness of work and study opportunities overseas. If you already have a country or region of interest, look into relevant exchange or study abroad opportunities and start planning early!

Postgraduate Study Overseas

As a Monash biomedical science graduate, you'll be eligible for a wide range of postgraduate study options at institutions overseas. Many universities around the world offer high-quality programs, which are increasingly taught entirely in English. Degree types, eligibility requirements and application processes vary among countries, so you'll need to refer to university or country-specific websites.



ALUMNI PROFILE

BEN SHEMESH

Senior Improvement Analyst,
The Health Foundation (London)

Bachelor of Biomedical Science (2017)

The Health Foundation is an independent charity working to build a healthier UK. The foundation works to improve health and reduce inequalities, support radical innovation and improvement in health and care services and provide evidence and analysis to improve policy. We do this through giving grants to those working at the front line and also by carrying out research and policy analysis.

I love being surrounded by like minded individuals who are passionate about making a change in the system and who can think critically about issues related to health and care at both an individual level and system level. Working in an independent organisation also means that we do not need to generate income, nor do we carry out work based on the demands of others, rather we dictate our own work based on the current challenges in the sector, the current political discourse and areas we see as being strategic priority to advance health and care.

How I got here

I got into this area after having tried to get into post grad medicine for many years and realising that improving the health of others, and creating lasting impact can also be done through at a system level. While you may not see an individual patient, you have the ability to affect change for thousands of people, through influencing health policy and public discourse. This led me to a research role at Monash University before applying for a Master of Public Health and working for Safer Care Victoria, a division of the Victorian Department of Health. While undertaking my Masters, I did a placement at the Grattan Institute, an independent policy think-tank which really inspired me to work in this space.

Did you do any further studies after your initial bachelors?

Yes, my further studies included:

- Bachelor of Biomedical Sciences (hons) with the School of Public health and preventive medicine.
- Master of Public Health at the University of Melbourne
- Graduate Certificate in Primary Health care in developing countries from Flinders University.

What skills did you develop during your Monash Biomed degree?

I think the most critical skill I learnt was the ability to think critically and analyse the underlying biomedical/ public health evidence for a particular claim. To see beyond what was advertised, to scrutinise things scientifically and from a population health perspective. I also developed my presentation and public speaking skills as well as my skills in collaboration and leadership.

What advice would you give to current Biomed students who are interested in your career path?

My advice would be to think about what impact means to you. Try hard not to think about your dream job or company but rather think about the values and principles that are important to you and at what level of the system you are most interested in working. That could be a research institute committed to advancing global health, a not for profit working in queer/ trans sexual and reproductive health or a corporate organisation that delivers transformation for large businesses. Your values and principles will guide your career and being able to define those (even if they may change) will be extremely helpful to you.

Keep an open mind and challenge yourself to go out and speak to your professors, your lecturers and people you may meet through the degree in academia or industry. The more opinions, perspectives, and career pathways that you can explore the better. Use the networks provided to you through the university and through the biomedical science student society to soak as much in as possible.

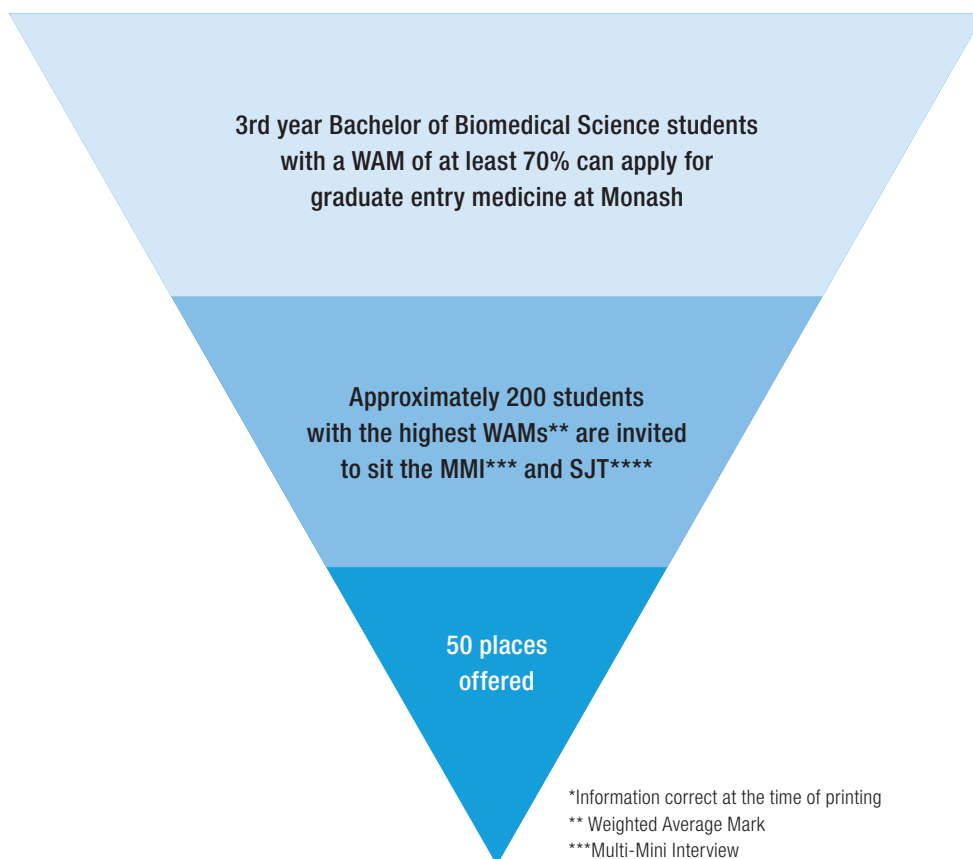
GRADUATE ENTRY MEDICINE

Our BBiomedSc prepares students for a successful career in medicine. Emerging from the degree with a sound understanding of the human body, excellent scientific practice skills and a strong work ethic, our graduates are well placed to handle the challenges of a graduate entry medicine course. In addition to the Monash Graduate Entry Medicine program, BBiomedSc graduates are eligible for medicine programs offered at other universities in Victoria and interstate.

Monash Graduate Entry Medicine

The Monash BBiomedSc offers a direct pathway into the Monash Graduate Entry Medicine program. There are 50 places in the program that are reserved for BBiomedSc graduates, and these places are highly competitive. Successful applicants do not need to sit the GAMSAT.

Pathway from BBiomedSc to Graduate Entry Medicine*



*Information correct at the time of printing

** Weighted Average Mark

***Multi-Mini Interview

****Situational Judgement Test



I believe that coming from Biomedical Science has equipped me with a multitude of knowledge and skills to help succeed in graduate medicine. Academically, the biomedical science degree lays the foundations for knowledge in pharmacology, anatomy, physiology and many other basic sciences over the course of three years. This helps lessen the steep learning curve for Graduate Medicine which undergraduate medical peers may face as they need to learn all the theory plus the clinical content within 2 years. I found that studying Biomed helped me adjust to university life and taught me invaluable study skills that helped set me up to excel in graduate medicine.

—
CONNOR BURLEY
Graduate Entry Medicine, Monash University
Bachelor of Commerce/Bachelor of Biomedical Science (2016)



GRADUATE RESEARCH OPPORTUNITIES

Honours

The Biomedical Science Honours program is one year in length and allows you to gain a broader understanding of the biomedical sciences and contribute new knowledge to the field.

The program consists of a significant research project and a coursework component. For your research project, you'll select and undertake a research topic from an area of biomedical science, working within a team and with ongoing support. At the end of the year, you'll report your findings to school or departmental staff and write a research thesis. If you have completed a BBiomedSc, you'll be able to choose an area of research from any of the biomedical science disciplines.

The Honours program will enable you to develop oral communication and data analysis skills, as well as advanced knowledge in your chosen research area. It can increase your employment opportunities, and you'll develop valuable skills including time management, working independently and effective communication. Completing Honours also helps you to determine if you want to pursue a career in research.

Master's Degrees

Master of Biomedical and Health Science

Discover how to conduct and commercialise your research with the Master of Biomedical and Health Science, and gain a highly sought-after professional skillset that can be applied in research and industry.

This course is unique in that it provides you with comprehensive, postgraduate-level knowledge of multiple disciplines within the biomedical sciences, while simultaneously allowing you to specialise in one of five areas:

- cancer biology and therapeutics
- cardiovascular disease
- infectious diseases and population health
- neuroscience
- regenerative medicine and stem cells.

With an employability focus from day one, you'll be trained in collaboration, professionalism and entrepreneurship. You'll also have opportunities to network with leaders in biomedicine and health sciences, and engage with industry.

A three-month internship will allow you to develop valuable professional skills and apply your knowledge in a research or industry-based workplace. You can choose from a selection of internship opportunities available exclusively to Master of Biomedical and Health Science students.

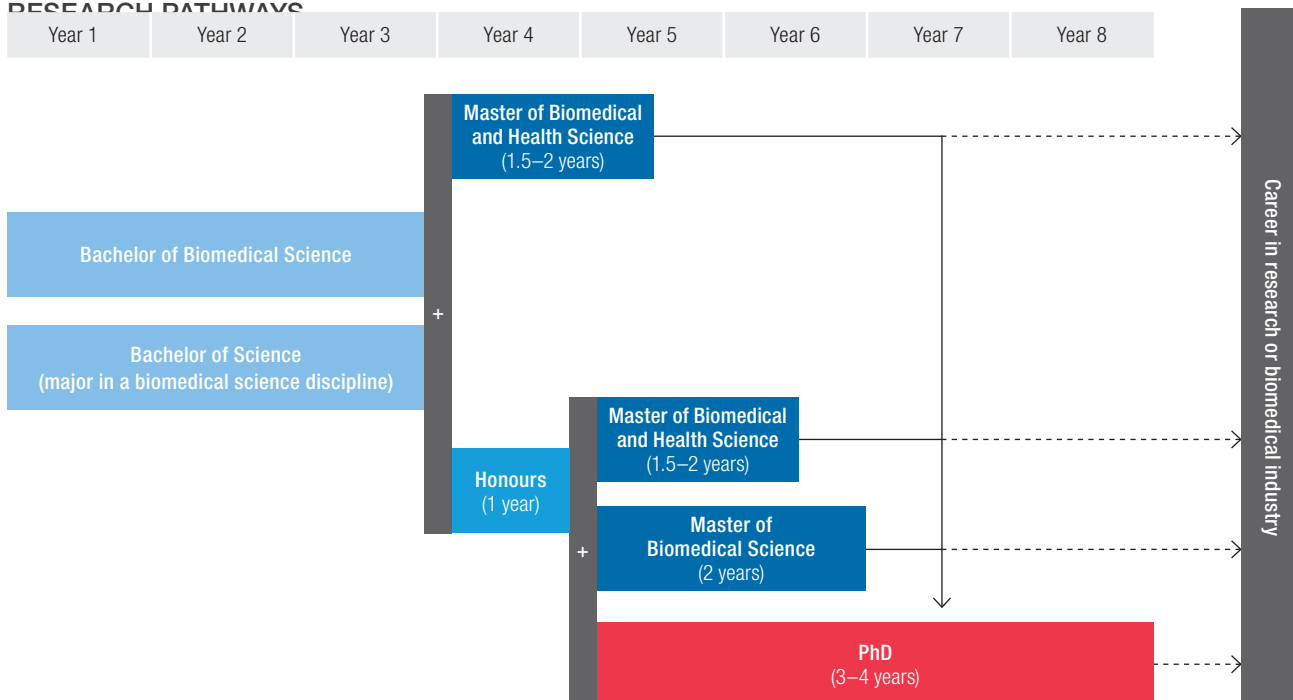
Other Masters Programs

- Master of Biotechnology
- Masters of Genome Analytics
- Master of Data Science.

PhD

A PhD in biomedical science at Monash enables you to make significant contributions to the field through original research. At the core of the program is an extensive, independent research project on an agreed topic, supported by at least two expert academic supervisors. This research component is enhanced by professional development activities or coursework units, which provide you with the skills required to make an impact in academia, government or the wider community. Completing a PhD can also open doors to high-level roles in biomedical industries.

RESEARCH PATHWAYS





BME 3030 gave me the opportunity to undertake more hours of lab work and explore an area of interest without the time pressure faced in biomed labs. BME3030 is comprised of non-traditional assessments, such as the learning portfolio, with truly represented my learning.

During the unit, I was able to bond with my lab group, and was able to have more discussion with the TAs about topics and methods in research papers. I found the experience of translating ideas from the page into discussion and action very satisfying. The lab and teaching environments created the perfect opportunity for genuine, self-directed learning and to get the individually catered support that we needed, through lab hours, seminars, and lab meetings. It was also a good opportunity for networking and to gain experience in research; this unit connects you to existing researchers in Monash and was one of the main reasons why I chose to continue with research through Honours.

—
CHRISTINE LU
Bachelor of Biomedical Science(2023)

Undergraduate Research Opportunities

Gaining research experience through a short-term program allows you to find out whether pursuing research is the right direction for you, before committing to an Honours year or Master's degree.

Research in Action Units

Through the suite of Research in Action units, you can get a taste of the real research that takes place at the Monash Biomedicine Discovery Institute. These elective units involve a research project undertaken over 12 weeks. You'll develop skills in project management, oral and written communication, and critical thinking and analysis. You'll also experience what it's like to work as part of a research team in a professional laboratory.

Summer and Winter Vacation Program

Monash summer and winter research scholarships

Summer and winter research scholarships involve a placement in a Monash research lab. This is a great way to gain first-hand insight into a career in research during the university holidays.

Integrative biomedical science practical experience

Our intensive practical elective unit, BME3030, will give you the opportunity to work in research teams and to be mentored by a Monash BDI researcher. You'll get your own research project and develop skills in experimental design, ethical conduct, data analysis, communication and research techniques. End the experience with a mini-conference in front of your peers, academics and researchers. The unit will also highlight research careers pathways in academia, research institutes and industry.



I always wanted to pursue a research career and completing a Research in Action (RiA) unit gave me the experience of working in a research lab.

It's truly a unique unit that allowed me to lead and take ownership of my own lab-based research. I refined my skills in writing, presenting and soft skills like time management, interpersonal skills and leadership. As part of the experience, I cemented my passion for research, made valuable connections and further developed the skills I've learned within my degree. What I appreciated most from my experience was the supportive environment my supervisor provided me with as this helped boost my confidence and ultimately my career, as it enabled me to pursue opportunities I initially thought I was "unworthy" of.

If you're interested in research, the RiA unit will prepare you for what it's like to operate within a research environment and help you discern whether research is truly a path you want to pursue. However, even if you're not interested in research, the RiA experience is invaluable as it will allow you to develop soft skills that can be applied to any industry.

—
ZOE CHUA
PhD, Department of Biochemistry and Molecular Biology, Monash Biomedicine Discovery Institute

EMPLOYABILITY SKILLS

In addition to the knowledge you'll gain from your Bachelor of Biomedical Science (BBiomedSc), when entering the workforce you'll need to have a set of transferable skills that will enable you to adapt to the requirements of your role and manage the constantly changing work environment.

Transferable skills are core skills that you can apply across a range of different roles and workplaces, such as your ability to solve problems and to communicate effectively. Your employability will be maximised if you have a good academic record and a set of transferable skills that you can clearly describe to employers and substantiate with examples.

Core employability skills, including both transferable and technical skills, include:

- communication
- critical thinking
- creativity and innovation
- initiative and enterprise
- professionalism
- planning and organisation
- problem identification and solution
- intercultural competence
- teamwork
- use of tools and technology

Many employers consider these transferable skills just as important as your technical knowledge. In the 2021 Graduate Outlook Survey, participating employers nominated the selection criteria they use most when recruiting graduates. Transferable skills came out on top: 'communication skills', 'cultural alignment/values fit' and 'emotional intelligence' were used most often.

This guide provides information about programs and resources offered by the university that will allow you to develop transferable skills. Make the most of these opportunities to ensure that when you graduate you have the skills that employers are looking for.

Biomedical science graduates are highly sought-after in many industries, as employers are aware that the BBiomedSc is a rigorous degree that produces graduates who can think analytically, process complex information and solve problems effectively. This can be seen in our BBiomedSc alumni cohort, with many of them choosing to pursue rewarding careers outside of the biomedical industries where their skills are also highly valued.

Below are some examples of situations in which you may have used employability skills through your university studies and extracurricular activities:

SKILLS AREA	SKILLS CLAIMS	POSSIBLE EVIDENCE
Communication	<ul style="list-style-type: none"> Organising and expressing ideas concisely. Adapting your communication style to suit different target audiences. Effectively communicating the findings of scientific experiments. 	<ul style="list-style-type: none"> Presenting and participating in class discussions. Using customer service skills. Writing lab reports.
Teamwork	<ul style="list-style-type: none"> Working in a team to achieve a common goal. Sharing information, supporting and empowering other team members. Responding constructively to the opinions of others. 	<ul style="list-style-type: none"> Working on group assignments at university. Being involved in a student society, sports team or community organisation. Working in a team for your part-time job.
Problem identification and solution	<ul style="list-style-type: none"> Researching and selecting relevant information to solve a problem. Analysing issues for underlying causes, assessing options, proposing solutions. Thinking sequentially, critiquing and synthesising information. 	<ul style="list-style-type: none"> Working on assessment exercises such as lab work or research projects. Tasks completed as part of Industry Based Learning or a summer research project. Working within a customer service environment and dealing with complaints.
Initiative and enterprise	<ul style="list-style-type: none"> Easily adjusting to new situations. Mapping out ideas to an action plan. Identifying innovative options. 	<ul style="list-style-type: none"> Obtaining a work placement, vacation employment or internship. Finding better ways to do things in an assignment group, student club or team.
Planning and organisation	<ul style="list-style-type: none"> Managing timelines and prioritising. Allocating and coordinating tasks for yourself and others. Anticipating future needs and forward planning. 	<ul style="list-style-type: none"> Managing your time well such that you participate in extracurricular activities or work part-time alongside your studies. Completing multiple exams or assessments and still getting good marks. Planning an event for a student club or society.
Use of tools and technology	<ul style="list-style-type: none"> Proficiency in using lab equipment and scientific techniques. Managing information through technology. Learning to use new tools or software when required. 	<ul style="list-style-type: none"> Lab work conducted for biomedical science units, industry placements or research projects. Sourcing information with electronic databases. Using specialised software packages to complete tasks for your course, part-time job or research project.

BUILDING EMPLOYABILITY SKILLS

Extracurricular and course-related activities give you opportunities to develop new employability skills, and provide evidence of skills used in a context that's often relevant to the workplace. Below are some examples of activities that you may find helpful for developing employability skills.

Industry-Based Learning

The BME2032 Biomedical Industry-Based Learning elective unit will help you gain employability skills and work experience in a biomedical industry. This unit involves a three-week internship in a biomedical workplace, giving you a head-start in learning the professional skills required to thrive in the workforce. During the internship, you'll work on real projects that will give you valuable insight into the biomedical industries.

You'll have the opportunity to:

- expand your network
- enhance your professionalism
- develop key transferable workplace skills.

When you finish your internship, you'll reflect on your skill development and present your project findings to an audience of peers, industry partners and academics.

Internship features:

- available to domestic and international students
- can be paid or unpaid depending on the industry partner
- available in a wide range of host organisations, including private and not-for-profit organisations
- duration: minimum 80 hours of placement.

Examples of organisations that have been selected due to the quality of their internship opportunities are the Lung Function Lab at The Alfred and the Cardiac Physiology Lab at Monash Health. Please note that some organisations have their own selection processes for interns.

Leadership Programs

Student year level representatives

Student representatives make sure that the voices of students in their year levels are heard. Each undergraduate year level (including honours) has representatives who report to the Course Management Committee. Year level representatives gain experience in liaising with a range of stakeholders, and have opportunities to develop communication and leadership skills.

Leap into Leadership Online

Leap into Leadership Online is a series of free modules that allow you to develop your employability and leadership skills at your own pace. They are available for all current Monash students and can be completed at any time. Each module is practical, straightforward and fun, and takes about one to two hours to complete. The modules will help you to hone specific leadership skills, and will be useful evidence of skill development to discuss with employers.

Vice Chancellor's Ancora Imparo Leadership Program

The Vice-Chancellor's Ancora Imparo Leadership Program is a unique opportunity available only to second-year Monash University students. Participants will hear from inspiring leaders with a wide variety of backgrounds. Program participants attend a fully-funded three day residential program, a series of seminars and can complete a service learning project. Participants also receive a stipend of \$500.



In BME2032 I was placed at an educational organisation that aimed to enhance student engagement in STEM learning. As part of the placement, I was tasked to design a National STEM Challenge for students with partners like the Australian Grand Prix and BAE Systems, and write and design science articles for the HEADJAM magazine.

What I appreciate most about this unit are the connections with industry professionals and its strong focus on developing employability skills, which has allowed me to gain a deeper understanding of my strengths and weaknesses. After completing this unit and seeing the wide range of placement opportunities, I became so much more aware of the diverse industry roles that are available to biomedical science graduates. Some of these opportunities are in areas such as clinical trials, cosmetic manufacturing, sales and marketing, science writing and communication, and even education!

—
VY-AN LE
Bachelor of Biomedical Science (2023)

I became a Biomed peer mentor co-ordinator because I wanted to contribute positively to the university experience and support first-year students in their transition to university. Some of my responsibilities included event management and maintaining clear communication between senior mentors and student mentors, to allow mentees to get the most out of the 12-week program.

This role enhanced my interactions with other students and allowed me to develop crucial skills such as event management, leadership, effective communication, time management, and conflict resolution, providing me with a solid foundation for my future career in biomedical science. Seeing the friendships and memories that have blossomed from this program was a particularly fulfilling part of this experience.

—
MEGAN LEUNG

Peer Mentor Coordinator, Bachelor of Biomedical Science



Mentoring Programs

Biomedical Science Peer Mentor Program

Students in their second year or higher of a biomedical science degree (including double degrees) can apply to be a peer mentor. Mentoring a group of first-year students will give you valuable opportunities to enhance your leadership and public speaking skills. You'll get to share your experiences and advice about studying biomedical science, and give back by helping younger students successfully transition to university life.

Registrations for the Peer Mentoring Program open in October and full training is provided.

Access Monash Ambassador Program

The Access Monash Mentoring Program pairs experienced and engaged Monash University students with VCE students from under-represented schools to work in a one-on-one mentoring relationship for their final two years of secondary school.

Mentors benefit from the opportunity to develop leadership, public speaking and teamwork skills. They also form valuable connections with senior Monash alumni and community leaders. In addition, each year 25 mentors are selected to become Mentor Leaders. These students play a key role in training new mentors and providing ongoing support to the Access Monash team, as well as actively working to promote Access Monash through the university and wider community.

Clubs and Societies

Joining the committee of a student club or society allows you to develop skills you may not otherwise gain during your undergraduate studies, such as managing a budget, planning events and raising revenue.

Part-Time Work

Working part-time while you study can be a great way to gain employability skills and workplace experience, as long as you limit your working hours to a manageable amount per week that won't detract from your studies. A great place to start your job search is Career Gateway, which is a jobs portal available exclusively to Monash students. Log into Career Gateway here: <https://careergateway.monash.edu.au/students/login>

Volunteering

Volunteering can be one of the most rewarding ways of developing your own skills. Research has shown that volunteer work can improve your chances of finding paid work and has a positive effect on career progression for people under 25.

Through volunteering, you'll be able to develop valuable employability skills from a wide range of positions, but you may like to find an opportunity that is directly relevant to your desired career path. For example, you could volunteer at a hospital or for a public health organisation to gain first-hand industry experience and to expand your professional network.



Being a Biomedical Science student representative has been an incredibly rewarding experience for me. We collaborate closely with academics to provide honest and open feedback on the units, and witnessing this feedback being implemented by the professors is truly remarkable. Additionally, as student representatives, we organise engaging and informative events, manage projects like running our own Biomedical Science Instagram channel, and much more. Working alongside both academics and students has been highly enjoyable, fostering a sense of belonging and teaching me a great deal.

—
PARSA HEYDARI

Year 2 Student Representative, Bachelor of Biomedical Science (Scholars)

COMMUNICATING YOUR SKILLS TO EMPLOYERS

It's likely that you already use a wide range of skills for both your studies and for extracurricular activities, but it's important that you can identify specific examples of your skill use and effectively communicate these to employers.

Personal and Professional Development Program

The award-winning Bachelor of Biomedical Science Personal and Professional Development Program (BMS PPDP) integrates professional development activities into your undergraduate degree. The program consists of six modules embedded within core biomedical science units and focuses on three main themes: **professionalism**, **wellbeing** and **career development**.

Professionalism

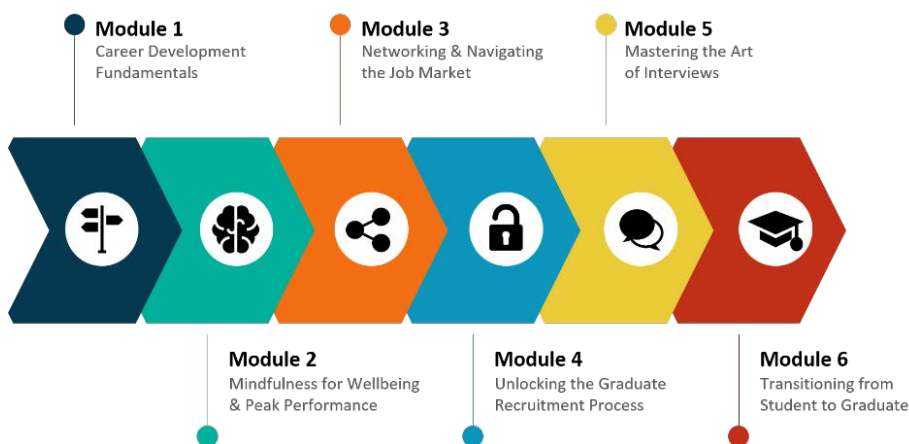
The Bachelor of Biomedical Science produces graduates who have professional careers in research, industry, education, medicine, allied health professions and many other sectors. You will learn how to exhibit a high level of professionalism from the very beginning of your degree, as well as establish an ethical approach to learning and interaction with others.

Wellbeing

Your health and wellbeing are of paramount importance. Under the instruction of an internationally renowned mindfulness expert (Professor Craig Hassed), you will learn how mindfulness techniques can reduce stress, improve wellbeing, enhance study skills and boost your academic performance.

Career Development

Our career development modules are delivered in collaboration with expert career consultants from Career Connect. Over the course of your degree you will learn how to develop your employability skills, source job opportunities, build a professional network and effectively communicate your skills, knowledge and experience to prospective employers.



The Personal and Professional Development Program provided me with a chance to actively reflect on my journey throughout my biomedical science degree at Monash. Through this course, I was able to prioritise and be reminded of my goals, especially during stressful periods of my degree. The PPDP used career driven modules to educate me on what skills are important to boost employability. I feel more prepared and confident to go out there and start my professional career. Most importantly, PPDP encouraged me to practice mindfulness and demonstrated the impact this can have not only on my health and well-being, but academic performance as well.

—
ANJA VUKOSAVLJEVIC
Bachelor of Biomedical Science (2021)



RESOURCES

Core Employability Skills

Monash Career Connect – improving employability:
monash.edu/career-connect/jobs/employability

Building Employability Skills

Leap into Leadership Online:
monash.edu/students/leadership/leap

Vice-Chancellor's Ancora Imparo Leadership Program:
monash.edu/students/leadership/ancora-imparo

Access Monash Mentoring Program:
monash.edu/access/mentoring

Monash Career Gateway job search portal:
<https://careergateway.monash.edu.au/students/login>

Volunteering at Monash portal:
monash.edu/volunteer

Communicating Your Skills To Employers

Monash Student Futures platform:
monash.edu/student-futures

Monash Career Success Coaching:
monash.edu/career-connect/jobs/plan/coaching

Monash Career Connect – preparing for job interviews:
monash.edu/career-connect/jobs/apply/interviews-assessment

Research Opportunities For Undergraduate Students

Monash Summer and Winter Research Scholarship Program:
monash.edu/students/scholarships/current/research-projects

School of Public Health and Preventive Medicine Summer
Vacation Scholarship Program:
monash.edu/medicine/sphpm/teaching/summer-vacation-program

Undergraduate Research Opportunities Platform (UROP):
<https://biomedvic.org.au/biomed-programs/urop>

Global Careers

Monash Career Gateway – browse and register for workshops:
<https://careergateway.monash.edu.au/students/login>

Monash Abroad – information about exchange and study abroad:
monash.edu/study-abroad

Australian Government Study Overseas website:
studyoverseas.gov.au





FURTHER INFORMATION

Monash Biomedicine Discovery Institute

monash.edu/discovery-institute

facebook.com/MonashBDI

twitter.com/MonashBDI

Faculty of Medicine, Nursing and Health Sciences

monash.edu/medicine

instagram.com/monash_mnhs

twitter.com/monash_fmnhhs

youtube.com/MonashUniFMNHS

Monash University

monash.edu

facebook.com/Monash.University

instagram.com/monash_uni

twitter.com/MonashUni

youtube.com/monashunivideo

Find a course

monash.edu/study/courses

Handbook information

monash.edu/pubs/handbooks

Scholarships

monash.edu/study/fees-scholarships/scholarships

FUTURE STUDENT ENQUIRIES

Australian citizens, permanent residents and New Zealand citizens

monash.edu/study

Phone: 1800 MONASH (1800 666 274)

Email: future@monash.edu

International Students

monash.edu/international

Phone: 1800 181 838 (within Australia)

Phone: +61 9903 4788 (outside Australia)

Email: future@monash.edu