And our mission begins with what’s most important: educating the next generation of pharmacists and pharmaceutical scientists.

It’s why we focus on small group learning that allows you to receive individual attention from some of the world’s leading educators.

It’s why we focus on equipping you with not just the most up-to-date knowledge but also with the skills you need to put that knowledge into practice.

And it’s why both of our undergraduate degrees offer extensive experiential opportunities, so you can integrate what you’ve learnt in the classroom with what goes on in the wider world.

It’s the mission we’ve had since 1881, long before we became one of the world’s most highly regarded institutions in our field, when we began serving Victoria as the Victorian College of Pharmacy.

Studying with us offers you a unique opportunity to become part of a tight knit community of people at the highest echelons of their professions, all utterly dedicated to improving the world around them.

Please, join us.
IN ONE WAY, WE’RE SMALL.

We’re a community of about 2000 people (researchers, educators, students, administrators) bound together by a shared passion for the transformative power of medicines. We’re fascinated by the biology, chemistry and biomedical science that underpin pharmaceuticals and are dedicated to making sure medicines are used safely, effectively and with maximum benefit for our communities. Our small size means students get to know each other and their instructors well. At Monash Parkville, it’s hard to slip through the cracks.

BUT IN ALL THE WAYS THAT MATTER, WE’RE BIG.

We’re part of Monash, Australia’s largest university and a highly regarded global brand. This means you can enjoy the resources of Australia’s largest university. We offer many student services and extra-curricular activities on our campus, but you’re welcome to take advantage of other opportunities at Monash’s larger campuses as well.

LOCATION IS EVERYTHING

Located on the edge of Melbourne’s central business district and easily accessible by train and tram, we’re right next door to buzzing inner-city suburbs like Carlton and Brunswick. We’re also in the heart of Melbourne’s world-renowned Biomedical Precinct, a global hub for research and healthcare talent. That comes in handy when it’s time to go on placement.

STUDENT LIFE AT PARKVILLE

Whether or not it’s your first time studying at university, transitioning into a new environment and routine can seem daunting. At Parkville, we’ve got lots of programs in place to make you comfortable and help you get the most out of your time here.

From Day 1, we ensure you have a strong sense of connection and belonging to our campus community. You’ll be given a peer mentor, a student who is one step in front of you in your course, and you’ll have the opportunity to keep in touch with them and ask any questions throughout your first semester. At the same time, you’ll connect personally with an academic member of staff through your ‘Skills coach group’ - a unique aspect of our teaching method that sees you put in small groups with the aim of developing key soft skills you’ll require to succeed in your career.

On top of this, there’s the opportunity to join one of our campus’ many Clubs and Societies, with groups spanning special interest as well as those intertwined with the pharmacy and pharmaceutical science professions. You may wish to develop your leadership skills by taking on a leadership position in one of these clubs, or through the Faculty’s Student Ambassador Program.

We also focus on your preparedness to join the workforce post-study. Throughout your time with us, there’s plenty of opportunity to develop your employability skills and grow your professional networks.
PHARMACY
ESSENTIAL WORKERS, SUPPORTING HEALTHIER COMMUNITIES

Now, more than ever, the world needs pharmacists. As the experts in medicines and the way they interact with the body, pharmacists play a vital role in healthcare teams. Medication-related problems account for around 750,000 hospital admissions in Australia each year, and in 2019 medicine safety became a national health priority. In 2021, community pharmacists joined the nation-wide taskforce to vaccinate millions of Australians against COVID-19 and help protect our communities.

JOB PROSPECTS ARE BRIGHT
In Australia, an ageing population combined with more and more people living with chronic health conditions, means that health professionals are in constant demand. The number of job ads for pharmacists has grown exponentially in recent years, with a study led by Monash University concluding that Australia could in fact face a pharmacist shortage.

If you’re looking to become a healthcare professional within a highly in-demand profession – and also love the idea of making a true difference to people’s lives – then a career as a pharmacist might be for you.

SAME DURATION, HIGHER QUALIFICATION

Five years ago, Monash launched Australia’s first and only combined Bachelor of Pharmacy (Honours) / Master of Pharmacy program. In Australia, it typically takes a minimum of five years to become a registered pharmacist. Whilst all other pharmacy programs around the country offer students the chance to complete a bachelor program and internship, this flagship Monash pathway graduates students with a bachelor and master.

Real world experience: placements and internship
As part of the program you’ll undertake work placements in community pharmacies, hospitals and other environments, practicing your new skills while learning from some of Australia’s best pharmacists about areas such as primary health care, medicines information, and patient-focused pharmacy services.

Earn while you learn: how does the intern year work?
During your intern year (fifth year), you’ll combine supervised practice (for which you’ll be paid), with intern studies (Intern Training Program and Intern Foundation Program). This intensive combination of learning and working will ensure you’re well prepared for your final registration exams and, arguably more importantly, confident to qualify as a practicing pharmacist.

Whilst all your placements are organised for you by the faculty, you’re required to secure your own internship yourself – just as you would your first job. But don’t worry – historically, students rarely struggle to find internships, as intern pharmacists are in-demand. Further, you’ll have developed a network of pharmacy practitioners through your placements in earlier years.

Flexibility to suit your needs
If you aim to register and work as a pharmacist in Australia, our Bachelor of Pharmacy (Honours) / Master of Pharmacy is a direct pathway to registration. However, we understand that everyone has different circumstances; you may not be willing to commit to five years of study quite yet, or you could be an international student aiming to work back in your home country. If this sounds like you, we have provision for students to enrol in our four-year Bachelor of Pharmacy (Honours) in the first instance, with the ability to automatically qualify for a place in the Masters upon completion.

"If you have a keen interest in chemistry, medicines and healthcare I would strongly consider studying pharmacy. It’s a rewarding, stable career that’s brimming with opportunity. The course is definitely challenging at times, as it’s almost entirely built on active learning as opposed to didactic lecture type learning. People will have preferences, but I was a pretty big fan of active learning, and I felt it developed a more sophisticated understanding of the topics taught."

KEVIN WU
2021 Bachelor of Pharmacy (Honours) / Master of Pharmacy student and Pharmacy intern at The Royal Melbourne Hospital

In my first year of the program I was so pleasantly surprised by the flexibility and practicality of the program – I was given the opportunity to contribute to a journal, gain hands on experience through working in a community pharmacy and I even participated in a global competition which has led me to working with Australia’s Immunisation Coalition to help educate Australian’s on the flu vaccine. The educators really help you to find your own path.

YANNEE LIU Pharmacy student

DID YOU KNOW?
Pharmacy graduates almost universally get jobs straight out of university, with 95% in full-time employment shortly after graduating.

*QILT Graduate Outcomes Survey 2021
Who's eligible?

It's important you know our eligibility requirements for Graduate Entry Pharmacy and build them into your course progression if necessary. To be eligible for the program, you need to have completed a relevant degree in the last ten years with a minimum average of 70% (or equivalent) across your whole degree.

Relevant degrees include:

* Bachelor of Biomedical Science/Bachelor of Biomedicine
* Bachelor of Health Sciences
* Bachelor of Pharmaceutical Sciences
* Bachelor of Science

In assessing your eligibility, we’ll take into account the number of relevant subjects you’ve completed. The units completed in your degree should be appropriate and science based.

For more information about Graduate Entry Pharmacy, including eligibility and application information:

monash.edu/graduate-pharmacy

Summer school: Bridge to practice I

Once you’re accepted into the program, you’ll need to complete a 6.5 week intensive summer school, commencing in early January. This program helps you start to transition your science knowledge to a pharmacy context.

Upon successful completion of summer school, you’ll commence into Year Three of the program, essentially being awarded two years of credit. You’ll need to complete one additional overload unit, Bridge to practice II, which continues to further the application of your science knowledge to pharmacy.

How do I apply?

Applications for 2023 entry will open on our website from 8 August, 2022 and close on 9 December, 2022. Apply at:

applicant.connect.monash.edu.au/connect/webconnect

This year I am undertaking my internship in a hospital setting at Monash Health. The process of applying for hospital internships is streamlined, and the exposure Monash gave us through placements, as well as the experience gained gave me the confidence to apply to these organisations. I would highly recommend the Graduate Entry program at Monash!”

MADELEINE LACK
2021 Graduate Entry Pharmacy student and Pharmacy Intern at Monash Health

The Graduate Entry Program was challenging at times, but it was also rewarding to see how far we all came in a short period. Although the course was structured quite differently to my previous Commerce/Science degree, it was designed to allow us to learn new information in lectures, and then further consolidate our knowledge and understanding.

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MADELEINE LACK
2021 Graduate Entry Pharmacy student and Pharmacy Intern at Monash Health

Themed, integrated units

Like many primary healthcare courses, your units are taught thematically, ensuring you’ll gain knowledge in an applied and engaging way. They also integrate with each other, meaning your knowledge will consolidate and build as you progress through the course.

If you want details about what you’ll specifically be learning in your units, you’ll find them in our online handbook: handbook.monash.edu

Earlier and enhanced placements

You’ll be exposed to real-life practice environments as early as possible. Right from first year, you’ll spend time in experiential placement sites working with some of the best pharmacists in Australia.

To ensure you’re ready for placement, we credential you to provide appropriate patient services, allowing you to assist in contributing to patient care throughout your degree.
CAREERS IN PHARMACY
A DEGREE OF OPPORTUNITY

If you’ve ever had a prescription filled at your local community pharmacy, you probably think you know what pharmacists do. The fact is, community pharmacy represents only one of dozens of career paths our graduates pursue, and many others are listed below.

AGED CARE PHARMACIST
Older people often have complex needs when it comes to medications. They are frequently taking a number of different medications and can be more susceptible to side effects. They may also need adjustments to their medications to accommodate difficulties with vision, hearing, memory or cognitive function.

CLINICAL TRIALS PHARMACIST
Pharmacists in this area support the management and delivery of clinical trials of new medicines. The role involves coordinating studies from a medicinal perspective, ensuring that drugs used in the trials are imported, stored, accounted for, compounded, dispensed and used in accordance to strict protocols. It may involve liaising with hospital staff, counselling participants and carers, and educating medical and nursing staff.

COMPLEX CARE COORDINATOR
A relatively new career path, complex care coordination involves working with a hospital healthcare team and is often combined with consultant pharmacy work. The role involves providing early post-discharge medication review and follow-up plans for patients identified as being ‘high risk’ by hospital clinicians.

CONSULTANT PHARMACIST
Accredited consultant pharmacists conduct home medicines reviews and residential medication management reviews. As with many roles, consultant pharmacists often work part time undertaking medication reviews, while also working in other healthcare settings such as working at a community health centre, working with chronic disease management groups, or providing nurse education.

DRUG SAFETY OFFICER
Pharmacovigilance is an area focusing on monitoring drug safety. A pharmacist working as a drug safety officer listens regularly with government and industry bodies, consumers and other healthcare professionals. Their responsibilities include receiving and processing reports of adverse drug events and conducting regular conciliation with health authorities. They use their skills and qualifications to ensure the public has access to safe and reliable medications.

HOSPITAL PHARMACIST
Hospital pharmacy involves a lot of collaboration as you find yourself working closely with a team of other healthcare professionals, including doctors and nurses, to provide the best care for patients. According to the Society of Hospital Pharmacists of Australia (SHPA), “…it offers variety, both in the roles you can have, such as clinical [i.e. direct patient care] or management, and in the types of hospitals you can work in – city or country, small or large, general or specialist.”

Working as a hospital pharmacist helps you develop valuable skills that are highly sought after in other pharmacy settings. Many pharmacists will spend some part of their career in a hospital environment.

PRIMARY CARE PHARMACIST
A practice pharmacist doesn’t dispense medicines. Instead, they work within a general medical practice to deliver direct support to general practitioners, practice nurses, and patients. They can often give more time and attention to individual cases, providing quality care and specialised services such as smoking cessation.

PUBLIC HEALTH ADVISOR
Pharmacists have knowledge, skills and experience that can contribute to advisory roles, both for the government as well as non-government institutions, such as health funds and private hospitals. The range of possible roles in this area is extensive, including medicines access, public health, developing eHealth services and more.

REGULATORY AFFAIRS ASSOCIATE
Working in regulation involves ensuring the appropriate licensing of and legal compliance by pharmaceutical and medical products. Following this career path, you’re involved in ensuring that a company’s products comply with regulations and legislation.

RESEARCHER / ACADEMIC
Many students find their passion for research while studying, and go on to make a career of exploring and developing ideas in pharmacy. Through research and evaluation, pharmacists can make a huge practical difference to health policy and services. Common research areas for pharmacy graduates include pharmacy practice, pharmaceutical discovery, toxicology, clinical sciences, public health and much more.

SPECIALTY PRACTICE PHARMACISTS
There are many different types of specialty practice pharmacists, below are just a few of the most common.

Mental health pharmacist
Mental health pharmacist is a role for providing clinical pharmacy services to the adult mental health in-patient wards, and psychiatric assessment and planning units. It’s a highly specialised career path that includes managing the supply of anti-psychotic medications to mental health patients in government units, outpatient clinics, community centres and specialist hospitals.

Women’s and newborns’ pharmacist
Providing safe and effective dosing and administration of medications during pregnancy and for infants is the focus of the role. One of the biggest challenges can be assisting in the care of babies born prematurely. But it’s also a highly rewarding area to work in; a skilled pharmacist can play a crucial role in giving a baby a better chance at a healthy life.

Antimicrobial steward
Antimicrobial stewardship is a vital role in any hospital and health facility, with responsibilities that include promoting the appropriate use of antimicrobials (including antibiotics), reducing microbial resistance, and decreasing the spread of drug resistant infections.

Pain educator and consultant
Chronic and acute pain are fascinating areas to work in. Pain management is a constantly evolving field that encompasses many areas of treatment, not just pharmacy and pain medications. Pharmacists work with patients to manage their medications and coordinate other forms of treatment.

Moving to Melbourne from Queensland to peruse Monash’s Bachelor of Pharmacy / Master of Pharmacy was a challenge, but I wouldn’t change it for anything! The team at Parkville made me feel welcome from my first day, and I’ve enjoyed every second of my time at Monash. During my studies, I’ve been involved with student groups like the National Australian Pharmacy Students’ Association, and the Victorian Pharmacy Students’ Association. Through these groups, I’ve had the chance to travel around the country, and meet pharmacy students from many other universities. From these interactions, it’s clear that Monash’s combined Bachelor / Master program is unique. The enhanced clinical placements, excellent lecturers and life-long friendships formed at Parkville make it clear how Monash earned their world class reputation - and why I moved to study here!

Thanks to the education I received at Monash, I was able to secure my first internship preference with Alfred Health. It’s been an amazing experience so far, and working here has made me appreciate how effectively Monash prepared me to practice as a pharmacist. I’m able to work in the hospital, and study for my internship exams with confidence that I’ve been given the skills and support to succeed. When thinking about my future career as a pharmacist, I’m excited at the thought of improving my patients’ health, and making a tangible difference in their lives. I hope to do this through research and continuing my hospital pharmacy journey.”

AISLING McEOY
2021 Bachelor of Pharmacy Graduate / Master of Pharmacy student and Pharmacy intern at Alfred Health.
HAVE AN INTERNATIONAL EXPERIENCE WHILST YOU STUDY

Pharmacy is a global profession and we want you to experience that in your degree.

As part of our program, you can apply for exchange opportunities at our Malaysia campus. You can also apply to complete projects and elective placements in the US, the UK and a number of developing countries. We work closely with preferred partners at the University of North Carolina, University College London, and Work the World to ensure that our international activities are interesting and ethical.

An international career

Margaret Louey currently works as a Senior Technical Manager, Product Development and Regulatory Affairs at Clinton Health Access Initiative (CHAI). CHAI is a non-profit organisation founded by US President Clinton in 2002 with the aim of helping save the lives of millions of people living with HIV/AIDS in the developing world. CHAI has now expanded its goals to include access to critical medicines and diagnostics for HIV/AIDS, TB, malaria and other diseases in low- and middle-income countries.

After completing her Bachelor of Pharmacy degree at Monash University, Margaret worked in community and hospital pharmacies in London. She returned to Melbourne a couple of years later to do her honours and PhD at Monash.

To read more about Margaret’s journey:
monash.edu/pharm/alchemy-33/special-feature-pharmacy-gone-global/our-international-alumni/margaret-louey

Pharmacy is a global profession and we want you to experience that in your degree.
I’ve done so many great things in this course. Last year I made an anti-epileptic drug from scratch. And the lecturers are so approachable. When you’re struggling with something, it’s amazing to be able to walk along the hall and knock on the door of someone who is one of the world-leading researchers in the area.”

JOMO KIGOTHO
Pharmaceutical Science student

PHARMACEUTICAL SCIENCE
MAKE A GLOBAL IMPACT TO HEALTHCARE

A degree in pharmaceutical science will equip you for an exciting and diverse career, enabling you to make a genuine impact to human health and well-being. Your understanding of the powerful interplay between chemistry and biology will set you apart from the crowd.

You’ll be taught by internationally renowned scientists at the forefront of tackling global health challenges. From them you’ll learn what it takes to invent, develop and approve a new medicine to improve health outcomes around the world.

Hands-on experience
You’ll get lots of time in the lab, working with industry-standard research instrumentation. When you accept your first job offer after graduation, you’ll hit the ground running. And because the faculty has long standing relationships with employees in the sector, you’ll emerge armed with the skills employers are looking for.

Use industry-standard instrumentation
As well as gaining a deep understanding of the fundamental concepts in chemistry, biology and product formulation, you’ll learn how to design and conduct experiments using sophisticated instrumentation and, most importantly, how to interpret and effectively communicate your data.

A future-proofed sector brimming with opportunity
As the world continues to face a number of urgent health challenges, pharmaceutical scientists will play an important and central role in helping to solve these problems over the next decade and beyond. Victoria is the heart of Australia’s pharmaceutical sector, contributing more than $2.2 billion in exports in 2018 compared to just $873 million in 2014. The upshot is that it’s a great time to be studying in this field. Globally, pharmaceuticals is a growth sector and – with many industries being majorly disrupted by technology – this future-proofed career path means that your skills will still be relevant in 20 years’ time.

Victoria is a global hub for biomedical research, medical technology and pharmaceutical manufacturing
With one of the world’s largest life science clusters, Victoria’s pharmaceutical industry is highly sought after on a global scale. According to the government’s 2017 State of the Sector Medical Technologies and Pharmaceuticals report, Melbourne-based companies currently make up over 40% of all ASX-listed medtech and pharmaceutical firms in Australia. With companies such as CSL, Pfizer, Novartis, Merck, Bristol Myers Squibb and GSK located in Victoria, there’s a strong demand for biomedical and pharmaceutical graduates in the state.

What will you actually study
A career in pharmaceutical sciences can take you in a number of exciting directions.

During the course, you’ll have the opportunity to align your interests with particular aspects of the drug discovery pipeline.

You might be attracted to drug discovery biology, which is about gaining an understanding of what causes different types of diseases and how current medicines work at a molecular level to treat them. You’ll get hands-on experience designing experiments to identify and test new biological targets for the development of novel drugs.

Or you might be drawn to medicinal chemistry, which represents the intersection of biology and chemistry, and involves the development of potential pharmaceutical compounds from conception through to their clinical use. You’ll study how drugs work, and how they’re designed and made. By applying the principles and techniques of organic chemistry, medicinal chemists discover and develop compounds that prevent, treat or cure disease.

There’s also formulation science, which enables you to understand the principles of designing pharmaceutical products and how medicines are absorbed and travel around the body to the site of action.

Drawing on techniques used in the pharmaceutical industry, you’ll also learn how to formulate chemical products in a wide range of applications, such as consumer products, cosmetics, paints and food.

Three-year BPharmSci vs four-year BPPharmSciAdvHons: what’s the difference?
Some of our students want to complete their degree, get out there and start working.

For them, the three-year Bachelor of Pharmaceutical Science is the perfect pathway into a career in the pharmaceutical sector or any of its allied industries such as skincare, cosmetics, chemicals or even food manufacturing. Just to name a few.

Other students find that their natural curiosity and passion to work on innovative research attracts them to a degree with a significant research component. For those students, the Bachelor of Pharmaceutical Science Advanced (Honours) is ideal. The third year of the degree includes an extended placement in either research or industry, which will give you the skills and independence to conduct a substantial research project in your fourth (honours) year.

Upon completion of an honours year, students are eligible to apply for a PhD.
Bachelor of PHARMACEUTICAL SCIENCE

BACHELOR OF PHARMACEUTICAL SCIENCE COURSE MAP (3 YEARS)

YEAR 1

Semester 1
- BPS1011 Human physiology I: Cells to systems
- BPS1021 Medicinal chemistry I: Structure
- BPS1031 Physical chemistry I: Equilibria and change
- BPS1041 Scientific Inquiry

Semester 2
- BPS1012 Human physiology II: Body systems
- BPS1022 Medicinal chemistry II: Reactivity and biomolecules
- BPS1032 Physical chemistry II: Solutions, surfaces and solids
- BPS1042 Pharmaceutical science in context

YEAR 2

Semester 1
- BPS2011 Pharmacology I: Biochemical signalling
- BPS2021 Synthetic chemistry I: Structure and reactivity
- BPS2031 Analytical methods I: Principles and applications
- BPS2041 Drug delivery: Absorption pathways

Semester 2
- BPS2012 Pharmacology II: Drug action
- BPS2022 Drug discovery and design
- BPS2032 Analytical methods II: Investigation design
- BPS2042 Drug development

Year 3

Elective unit – Choose four units from the following six:
- BPS3011 Disease-focused pharmacology
- BPS3021 Biotechnology
- BPS3031 Computational drug design
- BPS3041 Synthetic chemistry II: Advanced methods
- BPS3051 Pharmaceutical product development
- BPS3061 Industrial formulation

Semester 2
- BPS3012 Applied pharmaceutical science: from concept to market
- Elective unit – Choose two units from the following four:
  - BPS3022 Microbiology and immunology
  - BPS3023 Toxicology and advanced pharmacology
  - BPS3024 Advanced experimental electrophoresis
  - BPS3025 Applied pharmacoekinetics/dynamics and nanotechnology
- BPS3062 Professional experience

BACHELOR OF PHARMACEUTICAL SCIENCE ADVANCED HONOURS YEAR

An Honours year gives you a taste of a research career and enhances your job prospects upon graduation. The Bachelor of Pharmaceutical Science Advanced (Honours) contains a Year 4, shown below.

YEAR 4

Full year units
- BPS4001 - Advanced Pharmaceutical Science (prerequisite) — 12 points
- BPS4002 - Research in Pharmaceutical Science — 36 points

If you want details about what you’ll be specifically learning in each of your units, you’ll find them in our online handbook: handbook.monash.edu

Bachelor of ENGINEERING (Honours)

Combining chemical engineering with pharmaceutical science, this double degree is unique in Australia and rare worldwide.

Not only will you learn how to invent and test new products such as pharmaceuticals, food and cosmetics, but you will have the know-how to manage the product process beyond the laboratory stage.

This double degree allows you to graduate as a qualified engineer capable of covering the full spectrum of the pharmaceutical product design and production process.

Pharmaceutical engineers work in all aspects of the design and production process, from experimenting with innovative formulations to manufacturing commercialised products. A pharmaceutical engineer might:
- design, develop and improve industrial processes and equipment for large scale chemical and pharmaceutical manufacturing
- plan and test methods of sustainable manufacturing
- devise production processes that are safe, efficient, profitable and environmentally sound
- develop and implement cleaner production technologies.

DID YOU KNOW?
Bachelor of Pharmaceutical Science/Bachelor of Engineering (Honours) is taught between two Monash campuses – Parkville and Clayton. You’ll study Year 1 and 3 at Parkville, and Years 2, 4 and 5 at Clayton.
DID YOU KNOW?
In 2022, we launched a new coursework Masters program: the Master of Pharmaceutical Science. The program aims to provide students with a sophisticated knowledge of pharmaceutical science, as well as an advanced skill set, that will equip students for a career in the pharmaceutical sector, as well as in related industries. The program has a number of entry levels, and is suitable for graduates of undergraduate pharmaceutical science degrees, as well as science, biomedical science and engineering degrees.

monash.edu/pharm/future/courses/master-of-pharmaceutical-science

CAREERS IN PHARMACEUTICAL SCIENCE

The course material sounds fascinating, all that time using high-tech lab equipment seems really fun, and the placement and industry experience opportunities mean you’ll graduate ready for the workforce. But where can a pharmaceutical science degree actually lead?

That’s a trickier question to answer than you might think. Although the course is primarily focused on understanding medicines, the skills you learn will translate to a range of chemistry-related or biomedical research opportunities. Our graduates can be found in industries from paint and coatings to cosmetics to food manufacturing.

Here are some of our more common graduate destinations.

BIOMEDICAL RESEARCHER
Biomedical researchers investigate how the human body works with the aim of finding new ways to improve health. Usually based in a laboratory, you’ll conduct experiments and clinical tests to record and report on the findings.

In general, biomedical researchers within a university focus on improving tools and techniques, studying biological processes and the causes and progression of diseases. Private sector labs develop high value products that generate considerable income for the company.

CLINICAL RESEARCH ASSOCIATE
As a clinical research associate you’ll use your experience in running experiments, gathering data and documenting the results during clinical trials. Typical employers for this role include clinical research organisations, pharmaceutical and biotechnology companies and even hospitals and universities. There is growing demand for this role in Australia, as we are one of the leading countries for phase one clinical trials.

FORENSIC SCIENTIST
Forensic science is the application of scientific techniques to help investigate crimes, accidents and other incidents. It’s not always like what you see on your favourite crime investigation TV shows, but can entail tasks such as analysing illicit drugs or suspect situations.

Real-world opportunities whilst you study
At our pharmaceutical science degrees offer the opportunity for a placement in research or industry in third year. Placements are compulsory for single degrees (with the Bachelor of Pharmaceutical Science Advanced Honours offering an extended placement) and optional for students studying the double degree with Engineering.

Placements are organised for you by the faculty and are a fantastic way for students to experience pharmaceutical science in the real-world, including gaining an understanding of the discipline’s breadth. As part of the placement process, students are also able to develop their resume writing, interview and presentation skills.

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The beauty of pharmaceutical sciences

At the end of 2020 Georgie graduated from the Bachelor of Pharmaceutical Sciences, an area she chose to pursue after watching the movie Contagion.

In the end, Georgie chose not to tackle the spread of a deadly virus and is now immersed in the wonderful world of cosmetics, whilst lapping up the warm weather on the Sunshine Coast where the company she works for is based. Skincare and cosmetics is a booming business, and for pharmaceutical science graduates interested in this field there are plenty of opportunities.

When I was a student I loved being in the lab because it’s so hands on and satisfying when it leads to a result. That’s why I enjoy cosmetics – it’s all about working towards a final product and getting that product out into the world within a set timeframe.”

GEORGE PERCIVAL
Production and New Product Development Scientist, Milkman Grooming Co

INTERNATIONAL DEVELOPMENT OFFICER
For graduates with a desire to work in the social advancement field, one career path is to work with an International Non-Governmental Organization (INGO), like the World Health Organization (WHO).

With a goal to build a better, healthier future for people all over the world, WHO staff work side by side with governments and other partners to ensure the highest attainable level of health for all people.

MEDICINAL CHEMIST
Medicinal chemistry is an interdisciplinary science, drawing graduates from a range of different fields. A career in this area usually involves working on the development and testing of potentially therapeutic compounds. This might be within a company that is developing new products, for a research facility exploring new compounds, or at a regulatory agency testing pharmaceuticals for compliance.

PAINTS AND PROTECTIVE COATINGS SCIENTIST
Not all pharmaceutical science graduates go on to work with products for human consumption. Graduates can find a role working on the development of many of the products we come into daily contact with, such as paints, pigments and protective coatings. These compounds are present in our living and working spaces, our clothing, our food packaging and many, many other products and environments. We’re exposed to them on a regular basis, so manufacturers must study them and be sure that they are safe.

PATENT ATTORNEY
To be successfully taken to market, new discoveries need to be commercialised and a company’s intellectual property protected. That’s where a patent attorney comes in. A patent attorney will typically work for a specialist consultancy, advising companies on the protection of their intellectual property.

The best people for selling the benefits of a product are often those who do need a deep understanding of relevant legislation, potentially across a range of clients. A law degree is not required, but patent attorneys need a strong general knowledge across many different countries and regions.

PHARMACEUTICAL SALESPERSON
The best people for selling the benefits of a product are often those with the deepest understanding of how it works. For complex products developed and manufactured using pharmaceutical or chemical science, there is often a need for sales and marketing representatives able to talk with authority about the science behind the product.

This is a skill many graduates have and for some, sales and marketing can be their next step beyond the lab after working in research and development.

PRODUCT DEVELOPER/FORMULATION SCIENTIST
Product development scientists work in a variety of industries, including food, biotechnology, pharmaceutical science, and medical device manufacturing. They are typically based in the lab, developing new foods, drugs, and medical technologies or researching and developing ways to enhance existing products.

QUALITY ASSURANCE (QA) AND QUALITY CONTROL (QC) CHEMIST
These two areas in manufacturing are closely related, but they have important differences. Where QA is about ensuring that development and maintenance processes are adequate in order for a system to meet its objectives, QC is a set of activities designed to evaluate the developed products.

QA is a systems-based career, often focused on designing, implementing and managing new systems for the manufacturing process to ensure their quality.

A QC chemist is responsible for testing the products themselves. They prepare and test samples from all phases of a manufacturing or other handling process, with the goal of determining if the substance meets particular standards or requirements.

REGULATORY AFFAIRS ASSOCIATE
Regulatory affairs involves ensuring a company and its products meet government regulations. For companies producing new products, it’s a crucial discipline. A skilled regulatory affairs associate can be the difference an effective product reaching the market or not. Regulatory professionals are expected to know the ins and outs of the medical regulation, and to understand how changing regulations will impact their industry.

SKINCARE AND COSMETICS DEVELOPER
Youthful, clear skin is big business, with skin care and cosmetic companies around the world spending millions on researching and developing new products. There are plenty of opportunities in this fast-moving industry, with competing companies striving for the next breakthrough that will give them the edge.

It’s not just big name international cosmetic brands that offer employment through. Many smaller companies exist in the field and it’s ripe for entrepreneurs.

ENTRY REQUIREMENTS
ADMISSIONS INFORMATION

PATHWAYS

If you didn’t meet our course requirements at the end of Year 12, we offer a number of pathway options. You may be able to transfer into either Pharmacy or Pharmaceutical Science after completing first year in another degree and meeting a required minimum average. Course prerequisites can be met through the study of tertiary units, or at high school level.

Note that transfers into the BPharm (Hons)/MPharm will receive no credit, even if you have studied pharmacy at another university.

For more information about transferring from another degree:
monash.edu/pharm/future/courses/pharmacy/course-variations-and-pathways/pathways-transfers

If your aim is to transfer into pharmacy, Graduate Entry Pharmacy is another pathway to consider. Further information can be found on pages 8-9. And if pharmaceutical science is your dream discipline, you may want to consider our new Master of Pharmaceutical Science. A link to more information is on page 19.

THE MONASH GUARANTEE

The Monash Guarantee recognises that your potential to succeed at university is about more than just your ATAR. It ensures fair entry for students to Monash, so that even if your achieved ATAR is below the lowest selection rank to which an offer was made in 2021, you could still be offered a place.

You may be eligible if you:
• have experienced financial disadvantage;
• live in a low socio-economic area;
• are an Indigenous Australian; or
• attend a school under-represented at Monash.

For more information on the Monash Guarantee:
monash.edu/study/how-to-apply/entry-schemes/the-monash-guarantee

Monash Guarantee scores can be found on page 21.

SCHOLARSHIPS

We want as many bright minds as possible to benefit from a Monash education. That’s why we offer one of the most generous scholarship programs in the country. There are too many scholarships available to list here.

To find out how you can achieve your full potential and make your mark on the world:
monash.edu/scholarships and hit “Pharmacy and Pharmaceutical Science” under “Browse by Faculty”.

GET TO KNOW US

Interested in finding out more? The faculty offers a number of opportunities for prospective students to engage with us.

Register for a one-on-one chat or campus tour, watch a course presentation or attend an upcoming event.

For more information:
monash.edu/pharm/future/get-to-know-us
#1 IN THE WORLD
FOR PHARMACY
AND PHARMACOLOGY*

*QS World University Rankings by Subject 2022

DISCOVER MORE TO CHANGE
MORE AT OUR 2022 EVENTS

Monash Information Evenings
March to September
We’ll be in your local area to answer your questions on everything you need to know about Monash, including our courses, accommodation, scholarships and student life.
monash.edu/information-evenings

Inside Monash
March to August
Get the inside story from our faculties about what it’s really like to study at Monash.
monash.edu/inside-monash

Open Day
Open Day is your chance to experience what life at Monash is all about! You’ll be able to explore our campuses, meet current students and staff, find out more about our courses, and get a taste of everything Monash has to offer.
monash.edu/open-day

MONASH UNIVERSITY
monash.edu

FIND A COURSE
monash.edu/study

FUTURE STUDENT ENQUIRIES
Australian citizens, permanent residents and New Zealand citizens
monash.edu/study/contact

International students
T Australia freecall: 1800 MONASH (666 274)
T +61 3 9903 4788 (outside Australia)
E study@monash.edu

The information in this brochure was correct at the time of publication (April 2022). Monash University reserves the right to alter this information should the need arise. You should always check with the relevant faculty office when considering a course. CRICOS provider: Monash University 00008C Monash College 01857J.