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.

*The cover image was supplied courtesy of Monash Micro Imaging.
Samuel Manning, Department of Anatomy and Developmental Biology, Biomedicine Discovery Institute, Monash University, Clayton.

Fluorescently tagged E-Cadherin protein marking the cell-cell junctions in a fruit fly larval epithelium that will go on to form the adult wing. Cell nuclei are shown in cyan, stained with DAPI. (Zeiss LSM780 confocal microscope).
Be at the forefront of advancements in human health

Biomedical science equips you with the knowledge and skills to tackle today's most critical issues in healthcare and disease.

Biomedical science is an interdisciplinary area of study that combines the fields of biology and medicine in order to understand and improve the health of humans. Covering diverse topics from microbes to medicine, body systems to biotechnology, and the human genome to health policy, you’ll develop a comprehensive knowledge of the biomedical sciences.

You’ll also gain an understanding of how this knowledge fits into the big picture of human health and disease. Breakthroughs in biomedical science improve the quality of people’s lives, and this field will be the key to advances in medical treatments and human health in this century.

Through Biomedical Science at Monash, you could contribute to the research of stem cell therapy, the development of new drugs for a pharmaceutical company, or make changes to healthcare in Australia and around the world through a career in health policy.
A Bachelor of Biomedical Science is the perfect degree for you if you’re interested in understanding the human body on a deeper level. You’ll learn how diseases affect the body, and how they can be treated.

By studying biomedical science, you will gain the skills you need to understand and investigate human biology and make a difference to human health in a wide variety of career paths. You can apply your knowledge of the biomedical sciences in areas as diverse as biotechnology, pharmaceuticals and public health. You could also progress to a research-based Honours year where you could contribute to our world-renowned research in areas such as treating bowel cancer or neonatal and post-natal brain development.

You’ll be part of a cohort of motivated and high-achieving students who are similarly passionate about making advances in human health.

What will I learn?
The Bachelor of Biomedical Science consists of interdisciplinary units covering the key biomedical disciplines of anatomy and developmental biology, biochemistry and molecular biology, immunology, microbiology, pharmacology and physiology. You’ll also learn about epidemiology and how this informs human health and disease.

Educators in the biomedical sciences are experts in their fields of research and education, so you can be sure that you’re being taught the most cutting-edge content by active researchers of international standing.

Freedom to specialise or diversify your knowledge
The Bachelor of Biomedical Science gives you the flexibility to tailor your studies to fit your specific interests. Use your eight elective units to gain more detailed knowledge in one of the key biomedical science areas, or broaden your knowledge by studying a unit from another faculty. You can even complete a major or minor from an area of study outside of biomedical sciences - for example, you could prepare for a global career by studying a language or gain business skills through a major in finance.

Career outcomes
You’ll be equipped with the skills and knowledge that will help you to make a difference to human health through a wide range of career paths. When you finish your undergraduate course, some of the options available to you include entering the workforce through a graduate job, progressing to a research-based Honours year or completing postgraduate study that will qualify you for a health profession.

Career opportunities that biomedical science graduates can pursue include (but are not limited to):
- Bioinformatician
- Biotechnologist
- Clinical researcher
- Clinical trials manager
- Educator
- Food scientist
- Forensic scientist
- Pharmaceutical sales and marketing
- Public health advisor
- Reproductive scientist
- Researcher
- Science writer
- Strategy consultant

By studying a Bachelor of Biomedical Science at Monash, you’ll be joining an institution ranked in the top 1% of universities worldwide.
"I chose Monash because of the leading researchers who teach students. It’s one thing to learn from an expert in a field, but learning from someone who pioneered that field is even more exciting. I love the diversity of content we have learnt – biomedical science is incredibly broad and we’ve covered everything from understanding statistics to how cancer cells grow. This is important in an undergraduate degree because you’re able to get a better understanding of what interests you."

RACHEL HOWARD
Bachelor of Biomedical Science
Our Scholars Program acknowledges high achieving students, recognising excellence and potential by providing access to our Talented Students Program, which includes:
- Monash Biomedicine Discovery Scholarship (if eligible)
- Tiered Mentor Program
- Monash Technology Research Platform tours

Talented Students Program
The Talented Students Program is a unique development program that recognises and nurtures the exceptional aptitude of future leaders in the biomedical sciences. This program prepares you for a career in the biomedical research industry through practical and experiential engagement with our research community.

Become part of our research community with tours of Monash Technology Research Platforms, short talks, symposiums and networking sessions with PhD students and researchers.

You’ll complete a Research in Action unit, working in a research lab, which will give you in-depth insight into the most current, ground-breaking research and technology, and you’ll receive one-on-one feedback and guidance from researchers in biomedical sciences.

The Talented Students Program is open to all students enrolled in the Scholars Program.

Mentoring Program
Our tiered mentoring program matches you with third-year and Early Career Researchers (ECRs), as well as some of the highest-calibre researchers in the Monash Biomedicine Discovery Institute. Your mentors will support you throughout your degree, providing guidance about your studies and choosing a career path.

In the first year of your degree, you’ll be matched with a third-year mentor who will help you to adapt to university study. In your second and third years, you’ll be mentored by a PhD student, ECR or lab head who will give you insight into biomedical research. You’ll then receive career advice in your third year from a Monash ECR, and you’ll develop a greater understanding of the research activity that takes place at the Monash Biomedicine Discovery Institute.

Monash Technology Research Platforms
Monash University has an integrated network of more than 40 Technology Research Platforms that accelerate multidisciplinary research and facilitate innovation in biomedical science and healthcare.

Through the Talented Students Program, you’ll have opportunities to:
- engage with and learn about the Technology Research Platforms
- enrich your academic studies of biomedical science by discovering how our researchers, translate their research into life-changing therapeutics
- learn how teams across specialisations can discover and develop the next generation of medical technologies.

You can visit FishCore, part of the Australian Regenerative Medicine Institute, where you’ll see how researchers use the 100,000-strong population of zebrafish to understand how the body repairs itself.

Tour the Monash Immersive Visualisation Platform and step inside CAVE2 to see a 3D reconstruction of a breathing rabbit lung or take a virtual reality tour of the human body. CAVE2 allows researchers to visualise the brain’s neural pathways and to instantly compare 80 different brains. You’ll discover how Immersive Visualisation Platforms could lead to transformations in diagnoses and treatment of various diseases.
Double your opportunities
with a double degree

Keep your options open and pursue another passion by combining your Bachelor of Biomedical Science with a degree from another discipline. By doing so, you’ll develop expertise in another area of study which can broaden your career options once you graduate.

A double degree takes at least two years less than if you studied the two courses separately because the required units from one course count as electives in the partner course.

You can combine your Bachelor of Biomedical Science with a second degree in:
- Commerce
- Engineering (Honours)
- Law (Honours)
- Science

“I chose to enrol in a Bachelor of Commerce/Bachelor of Biomedical Science because I’m really interested in both fields, and the double degree at Monash meant that I could pursue both and avoid cutting off any options.

Throughout my degree, I’ve had opportunities to combine these two interests in subjects like epidemiology, business analytics and health economics. Acquiring knowledge in both biomedical science and commerce has also opened up many employment opportunities in the health and commercial industries.

I have been accepted into a graduate program as a business relationship manager, and I’m sure that in the workplace I’ll draw on the skills I have gained in both degrees.”

CODY YUEN
Bachelor of Commerce/
Bachelor of Biomedical Science
MONASH IS HOME TO ONE OF THE LARGEST AND MOST SUCCESSFUL MEDICAL RESEARCH HUBS IN AUSTRALIA AND THE WORLD.
In little more than 50 years, Monash’s Faculty of Medicine, Nursing and Health Sciences is now globally recognised for providing quality education to over 41,000 doctors, nurses and allied health professionals.

As the University’s largest research faculty, we have contributed to breakthroughs in crucial areas such as IVF, Alzheimer’s disease, cancer research and infectious diseases. Our continued teaching excellence and research outcomes have cemented Monash’s place as a world leader in medical and health sciences research and education.

By studying biomedical science at Monash you’ll have opportunities to connect with key research centres, including CSIRO, Hudson Institute of Medical Research, Baker Heart and Diabetes Institute, Burnet Institute and the Australian Regenerative Medicine Institute (ARMI).

Learning and Teaching Building

Some of the core biomedical science units are taught in the Learning and Teaching Building (LTB), which is a visually inspiring, world-class learning environment, designed to accommodate and enhance new styles of learning.

Our biomedical science educators teach in the LTB’s innovative learning environments, including the dynamic ‘learning in the round’ space. This round, interactive classroom features a 360 degree whiteboard along its walls to maximise student participation and collaboration. With a central map table and presentation screens, it is designed to encourage exciting round table discussions and whole-group participation.

“The hands-on practical labs are my favourite part of biomedical science. Throughout the degree I’ve been able to learn skills in molecular biology, immunology, anatomy and genetics labs, which are all clinically relevant in both hospitals and research labs. I especially like how some of our labs and tutorials are built on patient case studies, which allow us to apply our learning to formulate a diagnosis and hypothesise a potential outcome.”

SUSHWETA PAL
Bachelor of Biomedical Science

New Biomedical Learning and Teaching Building

The new Biomedical Learning and Teaching Building (BLTB) is a world first. It brings together teaching, learning and research into one central space.

The BLTB has been built specifically to train the next generation of biomedical scientists. Inside are wet and dry teaching laboratories that are equipped with state of the art technologies to allow for research led activities and to prepare you for industry requirements. There are also interactive classrooms as well as formal and informal teaching spaces.

The BLTB is the hub for students studying the biomedical sciences at Monash University.
COURSE STRUCTURE

The course provides an interdisciplinary approach to the study of biomedical science, with five central themes: molecular and cellular biology, body systems, infection and immunity, disease and society, and diagnostic and research tools. These themes are interwoven in the 96 credit points you’ll complete for the core biomedical science program.

Molecular and cellular biology

Through these studies you’ll learn how the cell functions and replicates itself in health and disease, particularly considering the structure of the cell and its evolution, the function of cells, DNA, genes and proteins, and the regulation of metabolism.

Biomedical disciplines covered:
Biochemistry and Molecular Biology | Microbiology | Pharmacology

Body systems

This theme addresses the principles of major body systems. You’ll learn how cells come together to form tissues and organs, and how they work together in the body to provide it with its metabolic needs and to remove waste products. You’ll study how structure follows function; homeostasis; the nutritional and gastro-intestinal system; the neural system and senses; endocrine, reproductive and renal systems; and cardiovascular and respiratory systems.

Biomedical disciplines covered:
Anatomy and Developmental Biology | Physiology

Infection and immunity

The focus of these studies is the functional immune system of multicellular organisms, and the disease states that result from pathogen infection and autoimmunity. You’ll learn about molecular genetics and recombinant DNA (both important tools for the study of microbial disease and immunity), inflammation and disease, and infection and infection control.

Biomedical disciplines covered:
Immunology | Microbiology

Disease and society

In these studies, you’ll learn about disease states that result from abnormal function in various body systems, including the cellular, genetic and molecular causes of the disease, with a focus on mechanisms of disease and patterns of disease and treatment. In studying the basis for human disease, you’ll also consider the societal and personal impacts of past, present and future diseases and the social, economic and environmental factors that are determinants of health.

Biomedical disciplines covered:
Biochemistry and Molecular Biology | Developmental Biology | Microbiology | Pharmacology | Physiology

Diagnostic and research tools

These studies address both the molecular and cellular tools – including specialist imaging techniques – that can be used to study and diagnose diseases.

Biomedical disciplines covered:
Biochemistry and Molecular Biology | Developmental Biology | Microbiology | Pharmacology | Physiology

Capstone units

The Bachelor of Biomedical Science has two capstone units in the third year, BMS3031 and BMS3052. These units build on topics covered in years one and two. They’ll provide you with a context for demonstrating a range of employability skills, including teamwork, communication and critical thinking.

Biomedical disciplines covered:
Biochemistry and Molecular Biology | Developmental Biology | Microbiology | Pharmacology | Physiology

“The research and critical thinking skills I’ve developed throughout my biomedical science degree will be invaluable for any career I pursue. Being presented with the current research in the field makes biomed feel relevant, and the flexibility in elective units has allowed me to diversify my studies.”

TOM FREEMAN
Bachelor of Biomedical Science
# COURSE MAP

## Single degree structure (Bachelor of Biomedical Science)

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>Semester 1</th>
<th>BMS1011</th>
<th>Biomedical chemistry</th>
<th>BMS1021</th>
<th>Cells, tissues and organisms</th>
<th>BMS1031</th>
<th>Medical biophysics</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td>BMS1042</td>
<td>Public health and preventive medicine</td>
<td>BMS1052</td>
<td>Human neurobiology</td>
<td>BMS1062</td>
<td>Molecular biology</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>YEAR 2</td>
<td>Semester 1</td>
<td>BMS2011</td>
<td>Structure of the human body: An evolutionary and functional perspective</td>
<td>BMS2021</td>
<td>Human molecular cell biology</td>
<td>BMS2031</td>
<td>Body systems</td>
<td>Elective</td>
</tr>
<tr>
<td>Semester 2</td>
<td>BMS2042</td>
<td>Human genetics</td>
<td>BMS2052</td>
<td>Microbes in health and disease</td>
<td>BMS2062</td>
<td>Introduction to bioinformatics</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>YEAR 3</td>
<td>Semester 1</td>
<td>BMS3031</td>
<td>(Capstone Unit) Molecular mechanisms of disease (12 points)</td>
<td>Elective</td>
<td>Elective</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>BMS3052</td>
<td>(Capstone Unit) Biomedical basis and epidemiology of human disease (12 points)</td>
<td>Elective</td>
<td>Elective</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Eight elective units help you to deepen your knowledge of disciplines within biomedical science, or to explore your interest by selecting units from any other faculty at Monash University.  
2. This course structure can change depending on your circumstances e.g. if you receive credit, go on exchange or study abroad.

## Double degree sample structure – 4-year program (double degree with commerce or science)

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>Semester 1</th>
<th>BMS1011</th>
<th>Biomedical chemistry</th>
<th>BMS1021</th>
<th>Cells, tissues and organisms</th>
<th>Part 1</th>
<th>Unit 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td>BMS1042</td>
<td>Public health and preventive medicine</td>
<td>BMS1052</td>
<td>Human neurobiology</td>
<td>BMS1062</td>
<td>Molecular biology</td>
<td>Part 2</td>
</tr>
<tr>
<td>YEAR 2</td>
<td>Semester 1</td>
<td>BMS1031</td>
<td>Medical biophysics</td>
<td>BMS2021</td>
<td>Human molecular cell biology</td>
<td>Part 3</td>
<td>Unit 3</td>
</tr>
<tr>
<td>Semester 2</td>
<td>BMS1052</td>
<td>Human neurobiology</td>
<td>BMS2042</td>
<td>Human genetics</td>
<td>Part 4</td>
<td>Unit 4</td>
<td></td>
</tr>
<tr>
<td>YEAR 3</td>
<td>Semester 1</td>
<td>BMS2011</td>
<td>Structure of the human body: An evolutionary and functional perspective</td>
<td>BMS2031</td>
<td>Body systems</td>
<td>Part 5</td>
<td>Unit 5</td>
</tr>
<tr>
<td>Semester 2</td>
<td>BMS2052</td>
<td>Microbes in health and diseases</td>
<td>BMS2062</td>
<td>Introduction to bioinformatics</td>
<td>Part 6</td>
<td>Unit 6</td>
<td></td>
</tr>
<tr>
<td>YEAR 4</td>
<td>Semester 1</td>
<td>BMS3031</td>
<td>(Capstone Unit) Molecular mechanisms of disease (12 points)</td>
<td>Part 7</td>
<td>Unit 7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>BMS3052</td>
<td>(Capstone Unit) Biomedical basis and epidemiology of human disease (12 points)</td>
<td>Part 8</td>
<td>Unit 8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

These course maps should be used as a guide only. Consult with your managing faculty to ensure that you’ll meet the requirements of your course.  
Note: Double degrees with Engineering and Law are at least five years in duration.
"The Monash Bachelor of Biomedical Science provided me with a well-rounded foundation in scientific methods and biomedical research from which I was then able to specialise. In my role, I often use concepts that I learnt in my undergraduate degree, such as hypothesis testing, appropriate study design and statistics.

My work focuses on understanding how the brain responds to injury. In particular, I am interested in how and why a young child’s brain responds differently to injury compared to an adult’s. My team’s research is exploring the processes triggered by the initial insult of a traumatic brain injury, how these processes contribute to long-term outcomes (such as chronic behavioural problems and epilepsy), and how we can interfere with these processes to improve the lives of brain injury survivors.

BRIDGETTE SEMPLE
Paediatric brain injury researcher
Monash graduate
Bachelor of Biomedical Science (Honours), PhD
GRADUATE CAREER READY

Core employability skills
The Bachelor of Biomedical Science is unique because it provides you with a broad, academically-rigorous foundation in the biomedical sciences, and prepares you for a wide range of career pathways.

Career development is embedded throughout the degree, helping you to succeed in any workplace after graduating. The course allows you to develop core professional skills – such as critical thinking, communication and teamwork – that will enhance your employability across industries.

Career Development Program
The Career Development Program provides support throughout your Bachelor of Biomedical Science degree, helping you to prepare for the challenges of entering the workforce or pursuing further study after you graduate. The program will enhance your awareness of career options, and help you develop the professional and personal skills to achieve your career goals.

From your first year of study, you’ll develop employability skills within core biomedical science units by:
- building on your ability to effectively communicate
- developing an e-portfolio accessible throughout your degree and after you graduate
- networking with representatives from industry, senior researchers and graduates.

In collaboration with the Krongold Clinic, the Career Development Program also offers students individual career assessment and feedback sessions with a provisional psychologist for a small fee. These sessions are based on career interests, work values and personality, and provide an opportunity to further reflect on your career development.

Industry-Based Learning*
At Monash, you don’t have to wait until you graduate to experience working in the biomedical science industry. We offer an Industry-Based Learning elective unit, where you’ll complete 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 which give you valuable insight into the biomedical industries. You’ll have the opportunity to:
- expand your networks
- 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 academia.

Research in Action
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 are research projects undertaken over 12 weeks. You’ll further 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 science laboratory.

Summer research internships*
If you want to develop your workplace skills and find out more about biomedical research, a summer research internship is a great opportunity to get ahead. The internship will give you an insight into a career in the biomedical research industry, and a chance to apply your knowledge of biomedical science in a professional setting. This will enhance your employability and provide opportunities to develop your network. Participants may be eligible to receive a Summer Research Scholarship.

*Places are limited and awarded on a competitive basis.
CAREER PATHWAYS

The Bachelor of Biomedical Science prepares you for a variety of career pathways that allow you to pursue your interests in healthcare and science. You can enter the workforce straight after you graduate, or after completing further training to prepare you for a specific health profession. Studying biomedical science as an undergraduate means that you can complete some science and healthcare master’s degrees in less time.

Graduate possibilities
Completing a Bachelor of Biomedical Science means that you’re eligible to apply for a range of roles and graduate programs. For example, you could enter a role in:
- a graduate program with the Victorian Government
- health management for an insurance company
- medical services or product development for a pharmaceutical company
- product development for a food manufacturer
- scientific writing or journalism
- strategy consulting

Graduate entry into Medicine
If you are considering future studies in graduate medicine, the Bachelor of Biomedical Science at Monash, with key study areas like anatomy, biochemistry, and physiology, will provide you with excellent preparation.

There are a lot of graduate medicine programs in Australia and many of our graduates have gone on to study graduate medicine at universities across Victoria and interstate.

Monash Graduate Entry Medicine Pathway
A pathway exists for applicants who have completed Monash University’s Bachelor of Biomedical Science (including double degrees).

At least 50 of the available places in the Monash Graduate Doctor of Medicine course are reserved for students who have completed our Bachelor of Biomedical Science degree. No GAMSAT is needed.

To be considered for this pathway, you must be on track to successfully complete your Bachelor of Biomedical Science with a Weighted Average Mark (WAM) of 70 or above.

Shortlisting is based on your WAM and if you’re successful, you will be invited to attend a Multi-Mini Interview (MMI) and a Situational Judgement Test (SJT).

For more information, visit monash.edu/medicine/som/grad-entry.

“Biomedical science is so diverse that there’s no shortage of choices when it comes to pathways. The Bachelor of Biomedical Science offered me the perfect mix of science and healthcare, which allows me to explore the innumerable branches that stem off the field of biomedicine. I have found the real-life applications of biomed utterly fascinating. My main interest lies in immunology, and I hope to pursue this as a medical scientist. The recent progress in this area has been astounding — there are only more questions arising, making this an incredibly exciting time to enter the field.”

MASARRAT MAHERA
Bachelor of Biomedical Science
As a Bachelor of Biomedical Science graduate, you have access to a range of graduate pathways at Monash University. A sample of options is provided below.

**CLINICAL EMBRYOLOGIST**
Clinical embryologists assist in treating fertility problems in laboratories. By completing a Master of Clinical Embryology, you’ll be trained to use all assisted reproductive technologies, such as IVF.

- Bachelor of Biomedical Science 3 years
- Honours 1 year
- Master of Clinical Embryology 1 year

**DIETICIAN**
As a dietician, you can use your knowledge of the biosciences to help people understand the relationship between health and nutrition. You could work as a private practitioner, medical and surgical nutritionist, or as a community nutritionist.

- Bachelor of Biomedical Science 3 years
- Honours 1 year
- Master of Dietetics 2 years

*must include NUT1011 as an elective

**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.

- Bachelor of Biomedical Science 3 years
- Honours 1 year
- 2 years experience in relevant lab
- Master of Forensic Medicine 3 years (part-time)

**HEALTH PROMOTION WORKER**
A career in health promotion could see you tackling today’s greatest problems in population health. You could work in a leadership role at a hospital, for a government health department or for a non-government organisation such as the World Health Organisation or the Red Cross.

- Bachelor of Biomedical Science 3 years
- Master of Public Health 1.5 years

**OCCUPATIONAL THERAPIST**
As an occupational therapist, you can help people of all ages to overcome barriers which prevent 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.

- Bachelor of Biomedical Science 3 years
- Master of Occupational Therapy Practice 2 years

NB: All course durations are full-time unless otherwise noted.
As a biomedical science student, you’ll be part of the Monash Biomedicine Discovery Institute (BDI), where leading researchers make ground-breaking progress in the key discovery and health priority areas of cancer, cardiovascular disease, development and stem cells, infection and immunity, metabolism, diabetes and obesity and neuroscience.

Biomedical research is no longer the domain of individual disciplines. Today, it’s about pursuing discovery research with experts from different fields who work together in collaborative multi and cross-disciplinary teams. This approach could help to answer cutting-edge research questions such as the impact of immunity on cancer, how diabetes leads to cardiovascular problems, and the role of metabolic interventions can play in killing cancer cells.
Research in Action
At Monash, you can begin working on meaningful research projects as an undergraduate student through our Research in Action elective units. These units enable you to undertake exciting research that contributes new knowledge to the field under the guidance of leading researchers and educators.

Honours Program
The Honours Program, which is available to graduates of the Bachelor of Biomedical Science and Bachelor of Science, 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 any area of biomedical science, working within a team and with ongoing support. The program will enable you to develop oral communication and data analysis skills, as well as advanced knowledge in your chosen research area.

At the end of the year, you’ll report your findings to staff and write a research thesis. The Honours Program increases your employment opportunities. It develops skills of time management, autonomous work, communication and allows you to determine if you want to pursue a career in research.

PhD program
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 the biomedical industry. To be eligible for the PhD program, you need to have completed an honours year or master’s degree in a biomedical science discipline.

RESEARCH PATHWAYS

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
<th>Year 6</th>
<th>Year 7</th>
<th>Year 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Biomedical Science</td>
<td>Bachelor of Science (major in a biomedical science discipline)</td>
<td>+</td>
<td>Master of Biomedical and Health Science (1.5–2 years)</td>
<td>Honours (1 year)</td>
<td>Master of Biomedical and Health Science (1.5–2 years)</td>
<td>+</td>
<td>Master of Biomedical Science (2 years)</td>
</tr>
</tbody>
</table>
GET MORE OUT OF YOUR DEGREE

Transition Program
The Transition Program will help you to adapt to tertiary studies by providing you with a support network right from the beginning of your degree. The program starts with a Transition Day where you’ll meet students from all year levels in a fun and relaxed environment. Throughout your first semester, a range of other programs and social activities will help you to successfully negotiate the transition into university life.
You’ll also hear practical advice about managing your studies, such as how to apply for special consideration and who to speak with for academic assistance.

Peer Mentor Program
Our Peer Mentor Program places first-year students in a mentor group with a second or third-year mentor from the Bachelor of Biomedical Science programs. You’ll meet up regularly to discuss how you’re settling into university life, the challenges you’re facing and to get inside tips about doing well at university.

Leadership opportunities
Student year level representatives
Representatives make sure that the voices of students in their year levels are heard. Each undergraduate year (including Honours) has a representative who reports to the Course Management Committee.

Peer Mentor Leaders
The executive committee of our Peer Mentor Program is made up of senior mentors. As a Peer Mentor Leader, you’ll have opportunities to develop your event management and communication skills.

International experiences
Add a global perspective to your Bachelor of Biomedical Science through an international experience. You could complete a semester of study at one of Monash’s 150-plus exchange partners in 25 different countries, or spend your holidays discovering a different culture through a study tour or in-country language program.
The Monash exchange program will expose you to new ways of learning and living. You’ll build an international network, develop independence and enjoy a cross-cultural experience.

Many students who participate in an approved exchange or study abroad program receive credit for their units studied, pay their regular Monash fees and are eligible to receive a travel grant from Monash.
To find out more, visit monash.edu/study-abroad/outbound/exchange

Biomedical Student Society
The Biomedical Student Society connects you with other students from the cohort, and hosts a number of social and academic events throughout the year. The society also provides information about possible places of employment for biomedical science students.

Career Success Coaching
Open to final-year students, Career Success Coaching helps you to set yourself up for success by building your skills and helping you gain the insights you need to stand out to employers.
Whether you’re unsure of the career path to take, or know exactly where you want to go, Career Success Coaching provides individualised guidance on how you can use your Monash degree. Sessions include a combination of group workshops and individual coaching sessions with industry expert coaches.

“Through my experience in Korea, I feel like I ticked all the boxes for transferable and personal skills that employers want. I also feel that I started to learn more about myself. I did most of my electives abroad, which gave me more ideas about other possible career opportunities outside of medicine or research. Most importantly, I had fun and I met great people who I am still in contact with.”

ADRIANA RIDZWAN
Bachelor of Biomedical Science
Semester exchange to Korea University, South Korea
“I loved becoming immersed in an entirely different country’s culture for a few weeks. It was a once-in-a-lifetime experience, and exposed me to different ways of teaching and learning than what I experience in biomedical science. I was able to incorporate some of these aspects into my learning when I got back to Australia. Everything was well organised with the university, and staff were really friendly. I was also able to travel to nearby towns and cities most days which was really good fun!”

ANGUS STOTT
Bachelor of Biomedical Science
Italian language program at the Monash Prato Centre, Italy
FURTHER INFORMATION

Monash Biomedicine Discovery Institute
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Faculty of Medicine, Nursing and Health Sciences
monash.edu/medicine
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FUTURE STUDENT ENQUIRIES

Australian citizens, permanent residents and New Zealand citizens
monash.edu/study
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E: future@monash.edu

International Students
monash.edu/international
T: 1800 181 838 (within Australia)
T: +61 9903 4788 (outside Australia)
E: future@monash.edu

The information in this brochure was correct at the time of publication (July 2019). 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.

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