2027 Undergraduate

Science

DEAKIN UNIVERSITY

Biomedical science
Forensic science
Marine science
Science
Zoology and animal science

Acknowledgement of Country

Deakin University acknowledges the Traditional Custodians of all the unceded lands, skies and waterways on which Deakin students, staff and communities come together. As we learn and teach through virtually and physically constructed places across time, we pay our deep respect to the Ancestors and Elders of Wadawurrung Country, Eastern Maar Country and Wurundjeri Country, where our physical campuses are located. We also acknowledge the many First Nations from where students join us online and make vital contributions to our learning communities.

Artwork: *Learning Together, Growing Together* by Nathan Patterson.

Your future in science

Tailor your studies to your interests

How you study science at Deakin depends on your interests and career aspirations. A general science degree offers many interesting and diverse study areas, so you can design a program for the direction you want to take. Alternatively, choose a specialist science degree in biomedical, forensic, marine, or zoology and animal science.

Maximise your career options by combining your science studies with one of the following:

- arts
- commerce
- criminology
- law
- teaching.

Get a top-tier education

Deakin is ranked in the top 12 universities in Australia for life sciences and medicine.[1] When you choose Deakin, you can be confident you're securing a top-tier education – and a bright future.

Drive your career forwards

Science at Deakin opens the door to a range of careers that are stimulating, challenging and rewarding. Choose science if you're interested in finding solutions to key global issues like:

- the impact of climate change
- reducing our carbon footprint
- controlling emerging infectious diseases
- the use of stem cells in medical research to improve our quality of life
- using nanotechnology to create new and innovative materials.

A pathway to further research and education

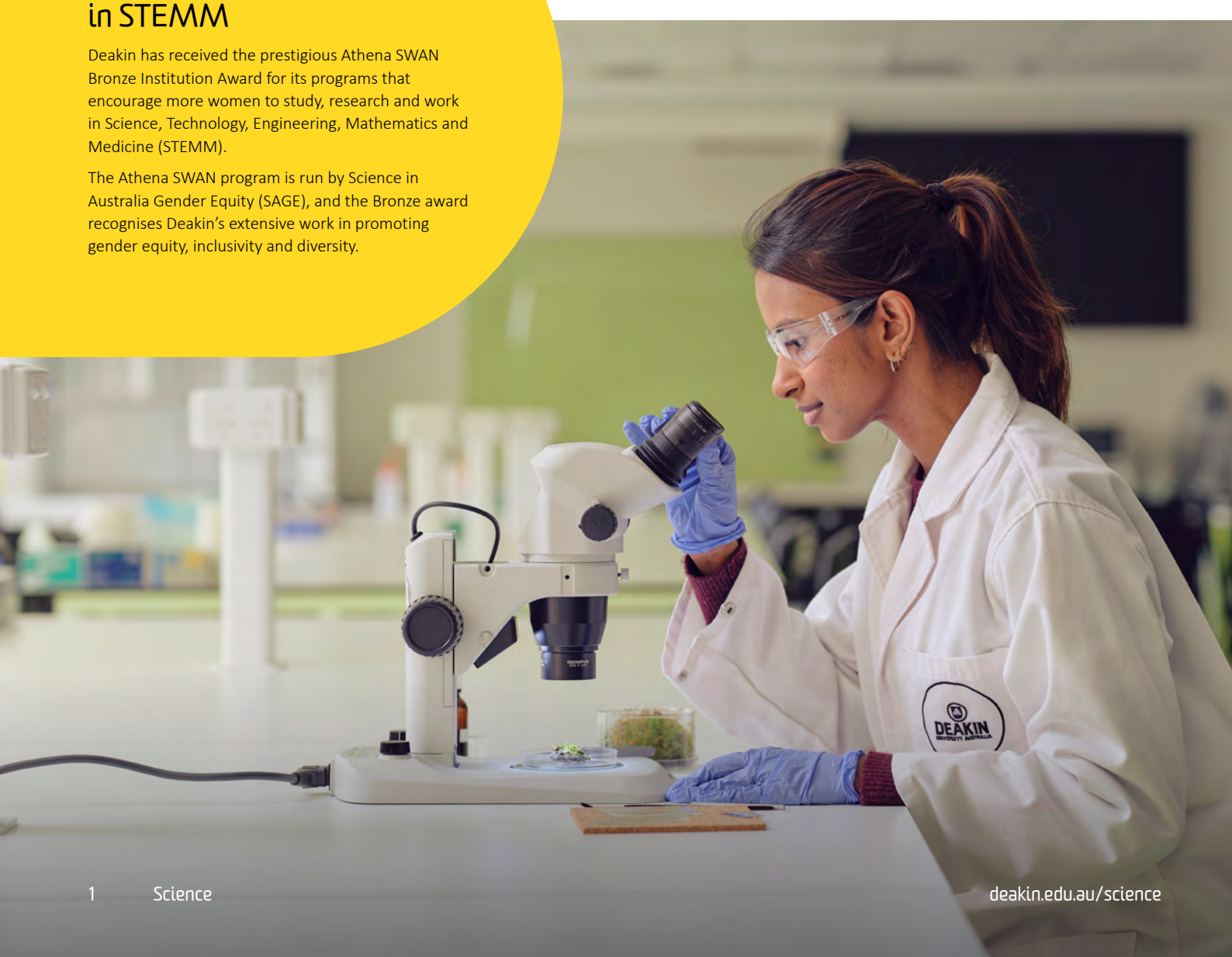
A science degree is an excellent pathway degree. It can provide a stepping stone to postgraduate studies in teaching, nutrition or allied health. It is also a solid pathway to further research at any of Deakin's campuses, which are all recognised for their strong research culture.

deakin.edu.au/les-honours

Award recipients for the promotion of gender equity in STEMM

Deakin has received the prestigious Athena SWAN Bronze Institution Award for its programs that encourage more women to study, research and work in Science, Technology, Engineering, Mathematics and Medicine (STEMM).

The Athena SWAN program is run by Science in Australia Gender Equity (SAGE), and the Bronze award recognises Deakin's extensive work in promoting gender equity, inclusivity and diversity.



Your future in science

Hands-on learning so you graduate job-ready

Get practical experience and hands-on learning from your first year onwards. Professional practice units offer opportunities for:

- workplace visits
- field trips
- industry learning
- establishing valuable professional networks before graduation.

Our science and biomedical science students complete placements at leading organisations, including:

- pathology laboratories (e.g. Healthscope)
- research institutions (e.g. Baker Heart and Diabetes Institute, CSIRO, Murdoch Children's Research Institute, Peter MacCallum Cancer Centre)
- hospitals (e.g. St Vincent's)
- secondary school and university laboratories.

Gain professional accreditation

Deakin is the only university in Australia, and the first university in the Asia-Pacific region, to offer a professionally accredited forensic science degree. The Bachelor of Forensic Science, as well as the forensic science component of the Bachelor of Forensic Science/Bachelor of Criminology, are professionally accredited by the Chartered Society of Forensic Sciences (CSFS).

The Bachelor of Science (chemistry major) and the Bachelor of Forensic Science/Bachelor of Criminology (forensic chemistry major) have been professionally accredited by the Royal Australian Chemical Institute (RACI). Graduates of these courses are encouraged to apply for membership with their local RACI branch.

International study experiences

Explore our various overseas programs, including trimester abroad, short-term partner programs, faculty-led study programs, overseas internships, and international volunteering opportunities. Our students have the opportunity to get hands-on experience in conservation in Costa Rica, Belize or Tanzania, or get involved in a range of community health projects in Thailand, the Philippines and South Africa.

deakin.au/overseas-study

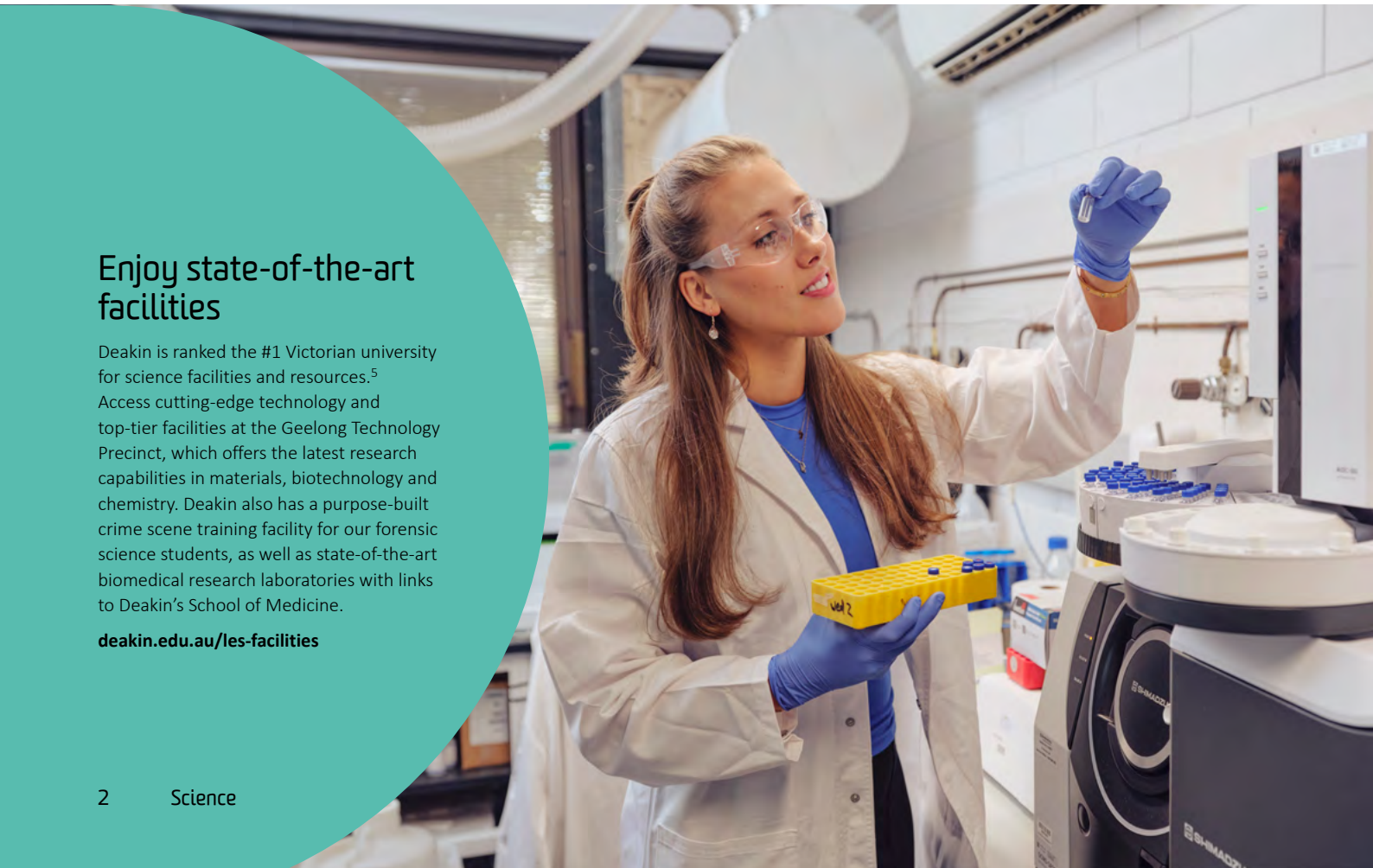
Skills to get you a job

At Deakin, every course is shaped by industry experts. You'll graduate with real-world expertise and practical skills, giving you a competitive edge in the workplace. Secure your future today at the #1 Victorian university for graduate employment[2] and course satisfaction.[3]

Award-winning university career service[4]

DeakinTALENT will prepare you to secure the jobs of tomorrow. Our award-winning service is available to you from day one and will support you for the rest of your career. You'll have lifetime access to career coaching, industry networking opportunities, and a comprehensive suite of digital resources designed to help you become the most employable version of yourself.

deakintalent.deakin.edu.au



Enjoy state-of-the-art facilities

Deakin is ranked the #1 Victorian university for science facilities and resources.[5] Access cutting-edge technology and top-tier facilities at the Geelong Technology Precinct, which offers the latest research capabilities in materials, biotechnology and chemistry. Deakin also has a purpose-built crime scene training facility for our forensic science students, as well as state-of-the-art biomedical research laboratories with links to Deakin's School of Medicine.

deakin.edu.au/les-facilities

Disciplines

Our career advisers can identify the best course for you based on your interest area. Corresponding courses are featured on the following pages, so you can learn more about what you'll study, professional work experience opportunities, and the types of careers you could pursue. Once you have chosen a course, you can select an area to to focus on within that course. Visit **deakin.edu.au/science** for detailed course information, including descriptions of the units within each degree.

Animal biology

Discover different aspects of animal biology, including animal structure and function, evolution and evolutionary biology.

Biomedical science

Develop a comprehensive understanding of human biology. Emerge with the expertise and practical skills to contribute to disease diagnosis and treatment across molecular, cellular and systems levels. You will become proficient in biological sciences and disease mechanisms, allowing you to enact meaningful change.

Cell biology and genomics

Gain insight into the nature of genes, genomes and the molecular and biochemical basis of cells, including their physiological properties, development, function and interaction with their environment. You will also learn about DNA sequencing and analysis, as well as how an understanding of genomics relates to human health and wellbeing, the environment, biodiversity management and food production systems.

Cellular biomedicine

Explore life at its most fundamental level and investigate how molecular and cellular processes govern the function of tissues, organs and entire organisms. Gain a strong foundation in cell biology, biochemistry and genetics, essential for understanding the biological mechanisms underlying health and disease.

Chemistry

Develop an understanding of the synthesis, separation, detection and measurement of chemical substances, their properties and their reactions.

Environmental health

Environmental health interrogates the factors in our natural and built environment that affect human health. You will learn how microorganisms and toxic substances interact with biological systems, and discover how this leads to clinical effects.

Environmental science

A major in environmental science will allow you to focus on the technical aspects of the field, including environmental studies on the geosphere, hydrosphere, atmosphere and biosphere. If you want to develop real-world solutions to global conservation issues, then consider the Bachelor of Environmental Science (Wildlife and Conservation Biology). If you're more interested in the interaction between people and the environment, then consider the Bachelor of Environmental Science and Sustainability.

Food science

Food science equips you with the necessary skills for a career in the food industry. It covers various aspects such as food composition, quality and safety, and consumer and sensory evaluation, finishing with a project and product development.

Forensic biology

Acquire the specific biological skills that are critical in the forensic science workplace. These biological-based skills complement the generic forensic science attributes developed in the core units of the forensic science course. Study in this area may lead to a career in DNA-based forensic science.

Forensic chemistry

Forensic chemistry provides you with the specific chemistry skills that are critical in the forensic science workplace. These chemistry-based skills complement the generic forensic science attributes developed in the core units of the forensic science course. Study in this area may lead to a career in toxicology, drug detection or chemical detection.

Forensic science

With a strong focus on practical training, you will gain the skills needed to confidently examine, interpret and present forensic science evidence. Deakin is the first university in Australia – and the only university in the Asia-Pacific region – to offer a professionally accredited forensic science course.

Human biology

Discover how the body works and why it works that way through studies covering a broad range of areas relevant to human biology. This includes physiology and genetics, and their relationship to human disease.

Infection and immunity

Explore development and disease at a cellular level, investigate key concepts of immunity and blood cells, and be introduced to the world of genomics and proteomics. Gain a sound understanding of the key concepts and techniques underpinning clinically-relevant microorganisms and their control.

Disciplines

Marine science

Gain access to spectacular marine environments teeming with rich biodiversity on your doorstep. Become an expert in ocean systems by exploring a broad range of disciplines, including marine biology and ecology, oceanography, marine mapping, conservation, aquaculture, fisheries, and marine and coastal management. You'll be equipped with the skills needed to create a sustainable future for the world's oceans.

Mathematical modelling

Acquire strong critical knowledge while developing your analytical skills, logical thinking, problem-solving abilities, and numerical proficiency. You will cover traditional subjects (calculus, algebra and discrete mathematics) as well as modern topics (information modelling and data analysis) that will help you develop practical skills to implement mathematics in a variety of applications.

Medical biotechnology

Use living cells and cell materials to produce pharmaceutical and diagnostic products that help treat and prevent human diseases. You'll gain a sound understanding of the core sciences underpinning biotechnology for medical advancement.

Medical genomics

Explore core genomics areas, such as medical and human genomics, comparative genomics, microbial and forensic genomics, and biotechnology (drug discovery). You will gain proficiency in methodologies like Next Generation Sequencing, high throughput genotyping, metagenomics, and transcriptome analysis, along with quantitative and bioinformatics skills essential for genomics research and big data analysis.

Ocean, fisheries and aquaculture sciences

Fisheries and aquaculture provide food for millions of people around the world every day. However, marine and aquatic ecosystems are under stress due to climate change, unsustainable fishing and aquaculture practices, and pollution. Gain an understanding of the sciences underpinning fisheries, marine microbiology and genomics, aquaculture and oceanography.

Pharmaceutical science

Learn how the chemistry of life determines the biology of cells, tissues and organisms. You will explore the drug discovery process, from identifying suitable drug targets to using chemistry to isolate, design and apply molecules for disease treatment.

Plant biology

Suited to those interested in botany, this study area covers plant morphology, identification, reproduction and evolution, as well as vegetation management and biogeography.

Sustainable marine management

As marine ecosystems face increasing pressure, the adequate and sustainable management of marine environments requires a complex, comprehensive and ecosystem-based approach. Gain a deep understanding of these complex relationships through exploration of topics in environmental sustainability, marine disturbance and remediation, and the integration of marine, coastal and catchment management for a sustainable marine future.

Zoology and animal science

Explore the social and economic impact that human activity has on animals and their ecosystems. Working with living subjects in the lab and field, you'll gain a first-hand understanding of the form and function of animals and the underlying mechanisms that influence their ecology and evolution.

Hands-on learning opportunities will prepare you with the real-life skills you need to succeed in your future career.

'My passion for understanding and improving human health is what attracted me to biomedicine. The opportunity to make a positive impact on people's lives through advancements in medical research and healthcare is a motivating factor for me.'

Robina Balandra
Bachelor of Biomedical Science

Kickstart your science career with Deakin's Bachelor of Science

Can't decide between chemistry, plant biology, or cell biology and genomics? Love science but unsure about committing to a specialist degree like environmental or marine science? Want to graduate with sound practical and personal skills that will help you secure employment in a scientific field? Deakin's Bachelor of Science might be your perfect fit.

'We get a lot of students who don't yet have a good idea about where they want to settle,' says course director Dr Mark Warne. 'If you've got more general interests in science and you're looking for a degree that is a bit more flexible in terms of its employment options, the Bachelor of Science is an ideal choice.'

For many students, the appeal of a generalist science degree lies in its impressive breadth. At Deakin, Dr Warne says students receive broad-based training across the sciences. In first year, for example, you'll study biology, chemistry, physics, environmental science, and maths. Over the three-year degree, there's space to study nine elective units and one or two major sequences.

'The Bachelor of Science is good for students who have a general interest in science but aren't too sure about what path they want to take,' Dr Warne says. 'It offers enough flexibility to take you in a number of different directions.'

Even better, he says there's no need to decide on majors and potential future pathways until the end of first year. 'You have time to reflect during first year and explore your options as you're not locked into a curriculum. Then you can make choices about the sort of direction you want to take.

'Core units often fill up the timetables of specialist science degree students, allowing very little room for flexibility and free choice. It's a different story with the Bachelor of Science. At Deakin, students are encouraged to explore a wide range of elective units from inside the faculty as well as adjacent faculties', says Dr Warne.

'You might choose four elective IT units or four elective business units, which helps to expand your employability profile. There's a lot of flexibility.'

There's also the option to study a double major. 'You can do something you love and something that will help get you a job,' Dr Warne says. 'There are a lot of compatible double majors.'

Read on and discover if this degree is your perfect fit at **deakin.au/kickstart-science-career**.

Courses

X123 Deakin course code
Course duration in years
Trimester intake

B Melbourne Burwood Campus
WP Geelong Waurn Ponds Campus
WF Geelong Waterfront Campus
WB Warrnambool Campus
O Online

Bachelor of Biomedical Science

S323 3 T1, T2

CAMPUS	B	WP
ATAR	80.25	71.65
GUARANTEED ATAR[6]	✓	✓

Develop a comprehensive understanding of human biology through the Bachelor of Biomedical Science. Emerge with the expertise and practical skills to contribute to disease diagnosis and treatment across molecular, cellular and systems levels. You will become proficient in biological sciences and disease mechanisms, equipping you with the skills you need to enact meaningful change. Explore areas such as early disease detection and progression, treatment strategies and developments in pharmaceutical science.

Careers

Graduates can confidently enter a range of health-related areas including:

- genetic engineering
- laboratory technology
- medical research
- the pharmaceutical industry
- pharmaceutical/medical sales.

You can also advance to honours or postgraduate studies, either in more specialised areas of biomedical science (which will enhance your professional development as a scientist), or in other disciplines such as biotechnology, speech pathology, or public health – to name a few.

Work experience

Professional Practice is a compulsory unit in the Bachelor of Biomedical Science. This means you'll have 80–160 hours' work experience in a course-related organisation, giving you insight into future career options.

You can also elect to study a range of placement and industry-based learning units, bringing together theory, site studies and laboratory investigations.

Majors

Students must complete one of the following majors:

	B	WP
Cellular biomedicine	✓	✓
Environmental health	✓	✓
Infection and immunity	✓	✓
Medical biotechnology	✓	✓
Medical genomics	✓	✓
Pharmaceutical science	✓	✓

Course structure

This 24-credit-point course consists of 15 credit points of core units, at least 6 credit points from an approved major sequence, and 3 credit points of elective units.

	TRIMESTER 1	TRIMESTER 2
YEAR 1	Cells and Genes Chemistry in Our World Essential Skills in Science Elective/major	Chemistry for the Professional Sciences Biology: Form and Function Physics for the Life Sciences Elective/major
YEAR 2	Biochemistry Microbiology Research Methods and Data Analysis Elective/major	Genetics and Genomics Systems Physiology Elective/major x 2
YEAR 3	Applications of Biomedical Science Elective/major x 3	Professional Practice Medical Microbiology and Immunology Advanced Cell Biology Elective/major

Ready to find out more? **deakin.edu.au/course/S323**[7]

The Deakin Guaranteed ATAR

We are providing lower guaranteed ATARs for eligible Australian Year 12 students for most undergraduate courses. This will provide you with more certainty, reduce stress and ultimately give you greater opportunity to get into the course you really want.

To be eligible for the program, you will need to meet at least one of the following criteria, preference Deakin and remain opted-in for the 'personal information and location' category in VTAC equity schemes (SEAS):

- attend a Deakin under-represented school
- live or study in a regional or remote location, or
- be of Indigenous Australian descent.

deakin.edu.au/deakin-guaranteed-atar

Open up a world of exciting career opportunities

Studying biomedical science paves the way for a wealth of unexpected opportunities in your career. From biotechnology and speech pathology to data science and finance, the possibilities are more diverse than you might imagine. Find out about the graduate career options that are available to you across many industries.

deakin.au/careers-biomed

The student experience

Hear from one of our biomedical science students about their experience studying at Deakin at **deakin.yt/study-sci**.

Gain practical 'crime scene' experience

Our purpose-built and flexible crime scene training facility offers you real-life experience of working a crime scene. With a kitchen, lounge room and bedroom set, it enables a wide range of realistic scenarios to be staged and directly equips students with the skills they will need to succeed in the real world.

Ever wondered where a forensic science degree at Deakin actually takes you? Separate the facts from the Hollywood fiction and explore the exciting career opportunities that await: **deakin.au/forensic-sci-careers**.

Bachelor of Forensic Science

S324 | 3 | T1, T2

CAMPUS	WP
ATAR	60.85
GUARANTEED ATAR[6]	✓

Deakin's Bachelor of Forensic Science exposes you to the full scope of modern forensic science, from simulated crime scenes to courtroom presentations. With a strong focus on practical training, you'll graduate with the skills needed to confidently examine, interpret and present forensic evidence. Enhance your courtroom skills by building knowledge of the science behind criminal investigations and gain practical experience in our unique crime scene training facility.

Professional recognition

The Bachelor of Forensic Science is professionally accredited by the Chartered Society of Forensic Sciences (CSFS). Students of this course are encouraged to apply for membership of the Australian and New Zealand Forensic Science Society (ANZFSS).

Careers

Through your extensive practical training, you'll graduate with the technical and soft skills needed to thrive in a range of areas including:

- chemical, biological, food and pharmaceutical industries
- forensic laboratories
- government institutions
- insurance investigations
- policing
- research science
- risk analysis.

Work experience

This course aims to provide students with a holistic experience of their role as forensic analysts. You'll have the opportunity to visit a court, a crime scene and participate in a 'moot court', which allows you to experience a simulated courtroom environment.

The course includes a compulsory professional practice unit that requires you to undertake at least 80 hours of work experience in a course-related host organisation.

Explore an industry-based learning experience, available as part of the Faculty of Science, Engineering and Built Environment's work-integrated learning program.

deakin.edu.au/sebe/wil

Majors

	WP
Forensic biology	✓
Forensic chemistry	✓

Course structure

This 24-credit-point course consists of 12 credit points of core units, 6 credit points from a major sequence in either forensic chemistry or forensic biology, and 6 credit points of elective units.

	TRIMESTER 1	TRIMESTER 2
YEAR 1	Cells and Genes Chemistry in Our World Introduction to Statistics and Data Analysis Elective	Biology: Form and Function Chemistry for the Professional Sciences Fundamentals of Forensic Science Introducing Crime and Criminal Justice
YEAR 2	The Analytical Chemist's Toolbox Research Methods and Data Analysis Major Elective	Crime Scene Investigation Major x 3
YEAR 3	Professional Practice Major Elective Level 3 elective	Forensic Analysis and Interpretation Major Level 2 or 3 elective x 2

Ready to find out more? **deakin.edu.au/course/S324**[7]

Courses

X123 Deakin course code
Course duration in years
Trimester intake

B Melbourne Burwood Campus
WP Geelong Waurn Ponds Campus
WF Geelong Waterfront Campus
WB Warrnambool Campus
O Online

Bachelor of Marine Science

S337 3 T1, T2

CAMPUS	WP	WB
ATAR	64.80	52.30
GUARANTEED ATAR[6]	✓	✓

Study marine science at Deakin, where you will have access to spectacular marine environments teeming with rich biodiversity on your doorstep. Become an expert in ocean systems by exploring a broad range of disciplines, including marine biology and ecology, oceanography, marine mapping, conservation, aquaculture, fisheries, and marine and coastal management. The Bachelor of Marine Science equips you with the skills needed to create a sustainable future for the world's oceans.

Careers

As a marine scientist, you will develop multidisciplinary skills that open up diverse career opportunities in both research and applied fields. These can be in areas such as oceanography, marine biochemistry and biotechnology, fisheries, remote sensing, marine biology and ecology, microbiology and genomics, mathematics or economics. Further postgraduate studies, including research training, can lead to students becoming research scientists in a specific field of marine science.

Majors	WP	WB	O
Ocean, fisheries and aquaculture sciences	✓		
Sustainable marine management		✓	

Minors	WP	WB	O
Indigenous studies			✓
Global engagement			✓

Work experience

As part of the course, you'll undertake a compulsory professional practice unit with 80–160 hours of work experience in a course-related host organisation. This provides opportunities for workplace visits, field trips, industry learning, and the chance to establish valuable networks, giving you better insight into your possible career outcomes. You can also elect to undertake a discipline-specific industry placement. Elective units may also provide opportunities for work-integrated learning experiences.

Course structure

This 24-credit-point course consists of 12 credit points of core units and one 6-credit-point major sequence, plus 6 credit points which may comprise of a minor (4 credit points) plus 2 credit points of elective units, or 6 credit points of elective units. Students may be required to undertake cross-campus study between the Waurn Ponds and Warrnambool campuses for some units depending on the major or electives selected.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
YEAR 1	Marine Environments Cells and Genes Chemistry in Our World Elective/minor	Ocean Processes Oceans, Coasts and Climate Change Major Elective/minor	
YEAR 2	Research Methods and Data Analysis Marine Biology Major Elective/minor	Marine Ecology Marine Geographic Information Systems Major	Marine Wildlife
YEAR 3	Professional Practice Transdisciplinary Marine Research Major Elective/minor	Major x 2 Elective x 2	

Ready to find out more? **deakin.edu.au/course/S337**[7]

Ocean careers start here

Ever dreamt of being an ocean explorer? Hear from two Deakin alumni as they share how a Bachelor of Marine Science helped them turn that dream into careers: **deakin.yt/marine-sci**

From Warrnambool to the world

For Lughaidh Kennedy, studying marine science at Deakin's Warrnambool Campus provided the perfect opportunity to pursue his passion for the environment.

'The most rewarding parts of my course were the field activities. Whether it was a short trip to the beach to learn about seaweed or coastal processes, or a full-day field trip to the mountain ranges to learn about freshwater systems, there were plenty of opportunities for hands-on learning and knowledge consolidation.

The thing I liked best about Deakin Warrnambool was the tight-knit community. The connection between students, teachers and postgraduate students made the whole experience far more enjoyable. I would highly recommend heading to Deakin Warrnambool if you're passionate about marine life.'

Happiest in the great outdoors?

If you thrive in nature, the idea of spending the majority of your week in a temperature-controlled office can be confronting. Or, if the ocean is your number one happy place, you might not flourish in a job that keeps your eyes glued to a computer screen.

So, what are some careers you should consider if you don't want to be stuck indoors?

Marine science, and ecology and marine mapping are areas that allow you to indulge your love of the great outdoors.

Marine science

If you like the idea of studying oceans and the organisms that live in them, you've probably considered marine science as a career. Marine scientists might be found on a research vessel collecting data, snorkelling or scuba diving to monitor marine ecosystems, or field sampling in various marine habitats such as sandy beaches, estuaries, rocky shores or mangrove forests.

Dr Prue Francis, Senior Lecturer in Deakin's School of Life and Environmental Sciences, explains, 'a marine scientist possesses a multidisciplinary skill set across diverse science fields, including biology, chemistry, physics, ecology, genomics and modelling.'

Ecology and marine mapping

When you combine an understanding of ecology with the ability to work with state-of-the-art technologies, you arrive at careers in marine ecology and marine mapping.

Dr Mary Young, Lecturer in the School of Life and Environmental Sciences, says, 'we have to know where species are likely to be found to observe them using underwater visualisation techniques. We also need to map their habitats, including both the sea floor (rocks, sand) and the oceanography (temperature, waves, currents, nutrients).'

Find your niche and explore other career paths in the great outdoors: **this.deakin.edu.au/career/happiest-in-the-great-outdoors-four-career-paths-to-consider**.

#1 Victorian university for course satisfaction

Year on year, Deakin's students have the highest course satisfaction rate of all Victorian universities.[4] We've ranked this highly for the past 14 years. Students are particularly happy with our:

- teaching
- learning resources
- student support
- skills development
- learner engagement.

Courses

X123 Deakin course code
Course duration in years
Trimester intake

B Melbourne Burwood Campus
WP Geelong Waurn Ponds Campus
WF Geelong Waterfront Campus
WB Warrnambool Campus
O Online

Bachelor of Science

S320 3 T1, T2

CAMPUS	B	WP
ATAR	62.05	60.30
GUARANTEED ATAR[6]	✓	✓

Deakin's Bachelor of Science prepares you to enter the exciting world of scientific discovery, while allowing you to forge your own unique path by choosing from a wide range of disciplines. The course is about more than just laboratory work – it equips you for the diverse, innovation-driven real-life settings in which today's science graduates work. With this industry-led degree, you can follow your curiosity into any field of science that inspires you.

Careers

Graduates of this course can pursue various career paths in both public and private sectors. Depending on your major, you may find employment as a:

- biomedical scientist
- environmental consultant
- environmental manager
- hospital lab technician
- occupational health and safety officer
- pharmaceutical sales representative
- quality assurance specialist
- research scientist
- science journalist
- science teacher.

Work experience

You will have an opportunity to undertake a discipline-specific industry-based learning placement as part of your course. This will provide you with the opportunity to apply and consolidate what you are learning in your course, experience workplace culture and practices, explore career options, and develop a professional network before you graduate.

deakin.edu.au/sebe/wil

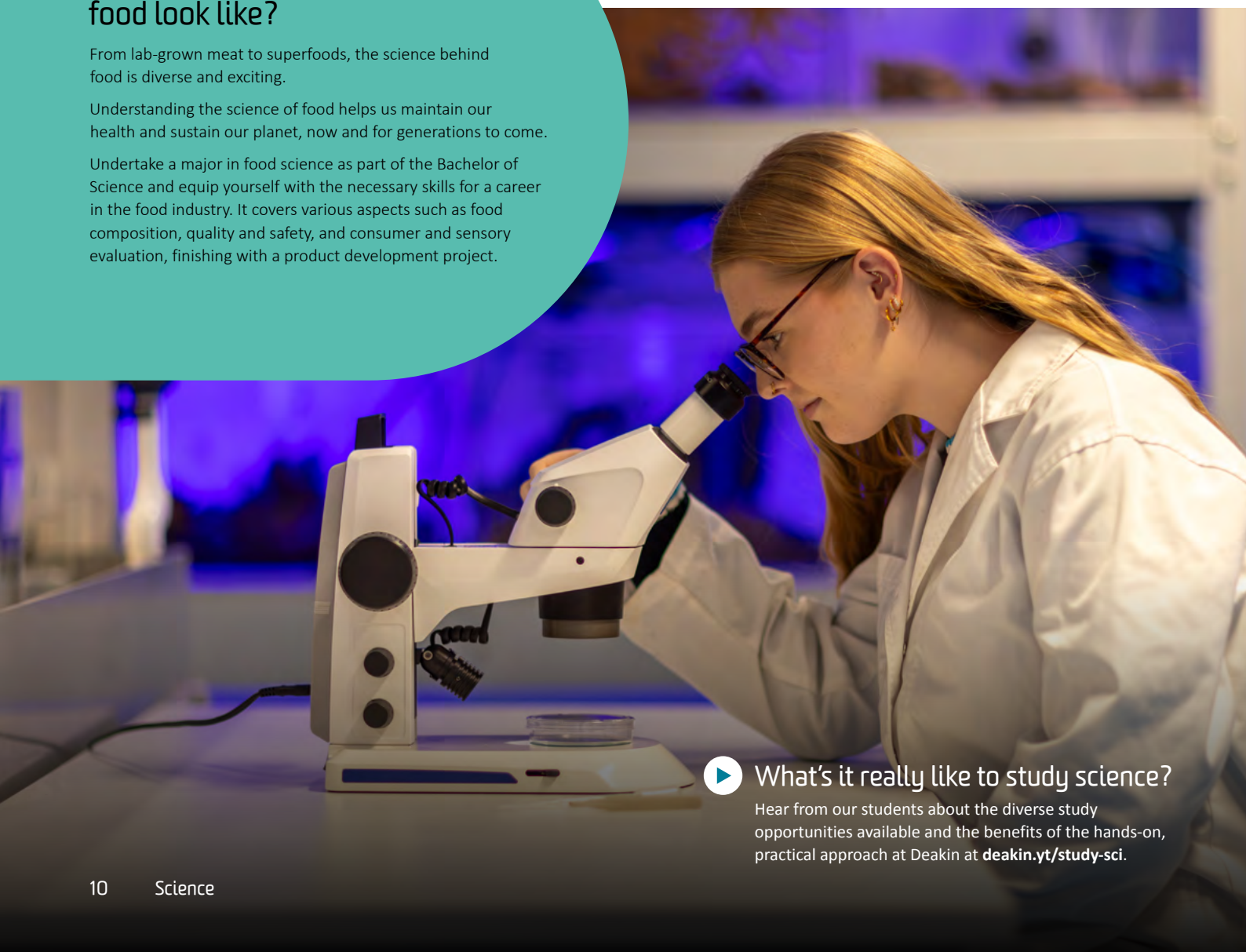
Majors	B	WP	O
Animal biology	✓	✓	
Cell biology and genomics	✓	✓	
Chemistry	✓	✓	
Environmental science	✓		
Food science	✓		
Human biology	✓	✓	
Mathematical modelling	✓	✓	✓
Plant biology	✓		

What does the future of food look like?

From lab-grown meat to superfoods, the science behind food is diverse and exciting.

Understanding the science of food helps us maintain our health and sustain our planet, now and for generations to come.

Undertake a major in food science as part of the Bachelor of Science and equip yourself with the necessary skills for a career in the food industry. It covers various aspects such as food composition, quality and safety, and consumer and sensory evaluation, finishing with a product development project.



What's it really like to study science?

Hear from our students about the diverse study opportunities available and the benefits of the hands-on, practical approach at Deakin at **deakin.yt/study-sci**.

Courses

X123 Deakin course code
Course duration in years
Trimester intake

B Melbourne Burwood Campus
WP Geelong Waurn Ponds Campus
WF Geelong Waterfront Campus
WB Warrnambool Campus
O Online

Bachelor of Science continued

Course structure

This 24-credit-point course consists of 9 credit points of core units and 6 credit points from an approved science major sequence, and 9 credit points of elective units.

	TRIMESTER 1	TRIMESTER 2
YEAR 1	Cells and Genes Chemistry in Our World Ecology and the Environment Essential Skills in Science	Physics for the Life Sciences Chemistry for the Professional Sciences Introduction to Statistics and Data Analysis OR Introduction to Functions, Relations and Graphs Major
YEAR 2	Communicating Science Ideas Major Elective x 2	Science and Society Major x 2 Elective
YEAR 3	Community Science Project or Professional Practice Major Elective x 2	Major Elective x 3

Ready to find out more? **deakin.edu.au/course/S320**[7]

Honours in science

Deakin's science courses let you undertake an additional year of specialised study, so you can focus on what you're really passionate about. And when you undertake research at Deakin, you'll be joining a world-class research community. Our world-leading biological science and environmental science courses are conducted at the #3 university in Victoria for scientific impact.[8]

- Develop in-depth knowledge of a particular discipline through research after completing your undergraduate degree.
- Gain entry into further research study.
- Get a competitive edge in the job market.

deakin.edu.au/course/S400[7]

Want a deeper dive into your degree options?

We want you to feel confident and informed about your university choices. This guide is just the beginning – our online course pages offer in-depth information, from detailed course content to entry requirements and career outcomes. When online, you can also connect one-on-one with our course experts for personalised advice to help shape your study and career path.

Ready to take the next step? Visit **deakin.edu.au/study/find-a-course/science** and let's get started.

'The combination of the crime scene house, decomposition field, and science labs allows each student to get the chance to try so many aspects of forensic science, as you would out in the workforce.'

Madison Bone
Bachelor of Forensic Science/Bachelor of Criminology

Courses

X123 Deakin course code
Course duration in years
Trimester intake

B Melbourne Burwood Campus
WP Geelong Waurn Ponds Campus
WF Geelong Waterfront Campus
WB Warrnambool Campus
O Online

Bachelor of Zoology and Animal Science S369 3 T1, T2

CAMPUS	WP
ATAR	64.30
GUARANTEED ATAR[6]	✓

Through Deakin's Bachelor of Zoology and Animal Science, you'll explore the social and economic impact that human activity has on animals and their ecosystems. Investigate how animals respond and adapt to changes in the environment, including climate change, with a strong focus on Australian fauna and its unique importance in the global environment. Apply the latest research techniques to test hypotheses in the real world and develop evidence-based decision-making skills valued by industry.

Careers

Employers value Deakin graduates for their range of practical experience and evidence-based decision-making skills. You'll be well-placed to explore opportunities in areas including:

- environmental monitoring and management
- government biosecurity and quarantine
- private environmental consulting
- wildlife biology
- zoological research.

Graduates typically take on roles such as:

- collection managers of aquaria and zoological gardens
- environmental managers
- pest management officers
- primary and secondary teachers (with relevant teaching qualifications)
- research assistants.

Further postgraduate studies, including research training either in Australia or overseas, can also lead to becoming a research scientist in a specific field, a museum curator or even a university academic.

Work experience

A professional practice unit gives you the opportunity to complete a placement as part of your course. This means you'll gain 80–160 hours of work experience in a course-related organisation, providing insight into future career options.

You can also undertake an industry-based learning experience as part of the Faculty of Science, Engineering and Built Environment's work-integrated learning program.

deakin.edu.au/sebe/wil

Course structure

This 24-credit-point course consists of 18 credit points of core units, and 6 credit points comprising of a 4-credit-point minor plus 2 credit points of electives, or 6 credit points of elective units.

	TRIMESTER 1	TRIMESTER 2
YEAR 1	Cells and Genes Chemistry in Our World Ecology and the Environment Foundations of Zoology	Biology: Form and Function Physics for the Life Sciences Chemistry for the Professional Sciences Minor/elective
YEAR 2	Animal Diversity Research Methods and Data Analysis Marine Biology Minor/elective	Vertebrate Structure and Function Genetics and Genomics Animal Behaviour Minor/elective
YEAR 3	Sensory Ecology Evolution Ecological and Conservation Genetics Professional Practice	Disease Ecology and Epidemiology Zoological and Wildlife Field Studies Minor/elective Level 2 or 3 elective

Ready to find out more? **deakin.edu.au/course/S369**[7]

Fauna, fieldwork and the future

Want a career that's wild in the best way? Hear how Deakin helped two students channel their passion into overseas experiences and careers in wildlife conversation, animal care, research and more: **deakin.yt/zoology-animal-sci**

'I chose to study the Bachelor of Zoology and Animal Science because the curriculum matches my deep interest in animal evolution and behavior, exploring the social and economic impact of human activity on animal ecosystems.'

Juliet Bao Ngoc Doling
Bachelor of Zoology and Animal Science

Double the skills, double the career opportunities

Deakin double degrees help you stand out, opening doors to a wider range of career paths. By combining two disciplines, you'll unlock unique opportunities and gain a competitive edge in today's dynamic job market.

deakin.edu.au/study/find-a-course/double-degrees

Double degrees

Bachelor of Arts/Bachelor of Science D311 4 T1, T2, T3

CAMPUS	B	WP
ATAR	66.00	66.00
GUARANTEED ATAR[6]	✓	✓

Gain a competitive edge in the job market by studying the Bachelor of Arts/Bachelor of Science double degree. Complement your understanding of science with invaluable skills like critical thinking and strong communication, and open up a world of exciting career options once you graduate. You don't need to have a defined career path mapped out when you start this double degree. Choose from a wide range of science and arts study areas and discover what disciplines you love as you progress.

Professional recognition

Depending on your arts specialisation, certain majors are accredited by relevant bodies. The Bachelor of Science (chemistry major) has been professionally accredited by the Royal Australian Chemical Institute (RACI).

Course structure

32 credit points – 16 credit points (Bachelor of Arts) and 16 credit points (Bachelor of Science), including a major from each degree.

deakin.edu.au/course/D311[7]

Bachelor of Commerce/Bachelor of Science D300 4 T1, T2, T3

CAMPUS	B
ATAR	81.60
GUARANTEED ATAR[6]	✓

Deakin's Bachelor of Commerce/Bachelor of Science empowers you to take your science career beyond the lab. Pair specialist science knowledge with a strong foundation in commerce and graduate ready to lead, innovate and disrupt in your chosen field. Dual skills in science and commerce can set you up for a lucrative career.

Professional recognition

Deakin Business School holds the prestigious and globally recognised AACSB and EQUIS accreditations, which attest to quality, academic and professional excellence, ongoing improvement, innovation and graduate employability.

Our courses are developed and reviewed with industry and professional input, meaning our graduates can apply for membership to these key professional bodies (depending on units taken):

- Chartered Accountants Australia and New Zealand (CA ANZ)
- Certified Practising Accountants (CPA)
- Institute of Public Accountants (IPA)
- Association of Chartered Certified Accountants (ACCA)
- Royal Australian Chemical Institute (RACI).

Course structure

32 credit points – 16 credit points (Bachelor of Commerce) and 16 credit points (Bachelor of Science), including a major from each degree.

deakin.edu.au/course/D300[7]

Bachelor of Forensic Science/ Bachelor of Criminology D329 4 T1, T2

CAMPUS	WP
ATAR	64.50
GUARANTEED ATAR[6]	✓

The Bachelor of Forensic Science/Bachelor of Criminology trains you to examine the many facets of crime. Understanding the nature of crime and the motivations behind criminal behaviour is a sought-after skill and is particularly powerful when combined with expertise in modern forensic science. By developing skills in these complementary disciplines, you will graduate with more career options and a broader perspective of crime and the justice system.

Professional recognition

The Bachelor of Forensic Science is professionally accredited by the Chartered Society of Forensic Sciences (CSFS). Students of this course are encouraged to apply for membership of the Australian and New Zealand Forensic Science Society (ANZFSS) and the Australian and New Zealand Society of Criminology (ANZSOC).

The Bachelor of Forensic Science/Bachelor of Criminology (forensic chemistry major) has been professionally accredited by the Royal Australian Chemical Institute (RACI). Graduates of this course are encouraged to apply for membership of the respective local branch of the Royal Australian Chemical Institute.

Course structure

32 credit points – 16 credit points (Bachelor of Criminology) and 16 credit points (Bachelor of Forensic Science), including a major in forensic biology or forensic chemistry.

deakin.edu.au/course/D329[7]

Courses

X123 Deakin course code
Course duration in years
Trimester intake

B Melbourne Burwood Campus
WP Geelong Waurn Ponds Campus
WF Geelong Waterfront Campus
WB Warrnambool Campus
O Online

Double degrees

Bachelor of Science/Bachelor of Laws D331 5 T1, T2

CAMPUS	B
ATAR	92.45
GUARANTEED ATAR[6]	✓

The commercialisation of rapidly evolving technologies has opened the door to a new kind of expert with specialist knowledge in both science and law. Study Deakin's Bachelor of Science/Bachelor of Laws to graduate with an increasingly sought-after skill set to succeed in either field, or where science and law intersect. This double degree gives you the freedom to learn more about what interests you.

Professional recognition

Deakin's Bachelor of Laws is designed to satisfy the academic qualifications necessary for admission to the legal profession. In addition, you'll need to complete certain practical legal training requirements and must be considered a fit and proper person to be admitted to the legal profession.

The Bachelor of Science (chemistry major) has been professionally accredited by the Royal Australian Chemical Institute (RACI). Graduates who have successfully completed the chemistry major as part of this course are encouraged to apply for membership with their local RACI branch.

Course structure

40 credit points – 24 credit points (Bachelor of Laws) and 16 credit points (Bachelor of Science).

deakin.edu.au/course/D331[7]

Bachelor of Science/Master of Teaching (Secondary) D304 4 T1

CAMPUS	B
ATAR	66.85
GUARANTEED ATAR[6]	✓

Translate your passion for the study of sciences into a career that inspires others, with a Bachelor of Science/Master of Teaching (Secondary) at Deakin. Create unique course combinations with science specialisations and graduate as a qualified secondary school educator. This industry-led double degree allows you to fast-track your studies and graduate with two degrees in just four years.

Professional recognition

This course is accredited by the Victorian Institute of Teaching (VIT) as an initial teacher education program against the Australian Institute of Teaching and School Leadership (AITSL) program standards and the Australian professional standards for graduate teachers. If you intend to apply for registration in Victoria or interstate, you may be required to provide further information. Applicants are advised to check the registration requirements in their state or territory, carefully.

Careers

Graduates of the Bachelor of Science/Master of Teaching (Secondary) are qualified to teach in secondary schools within Victoria, in the private, independent or public education sectors.

Your specialisations and advanced knowledge will also open doors to roles in:

- community services
- government agencies
- not-for-profit organisations.

Professional experience

This course includes 60 days of supervised professional experience placements. A current Working with Children Check is required before beginning school experience.

Course structure

36 credit points, including 24 credit points at undergraduate level, 12 credit points at postgraduate level, plus 60 days of supervised professional experience.

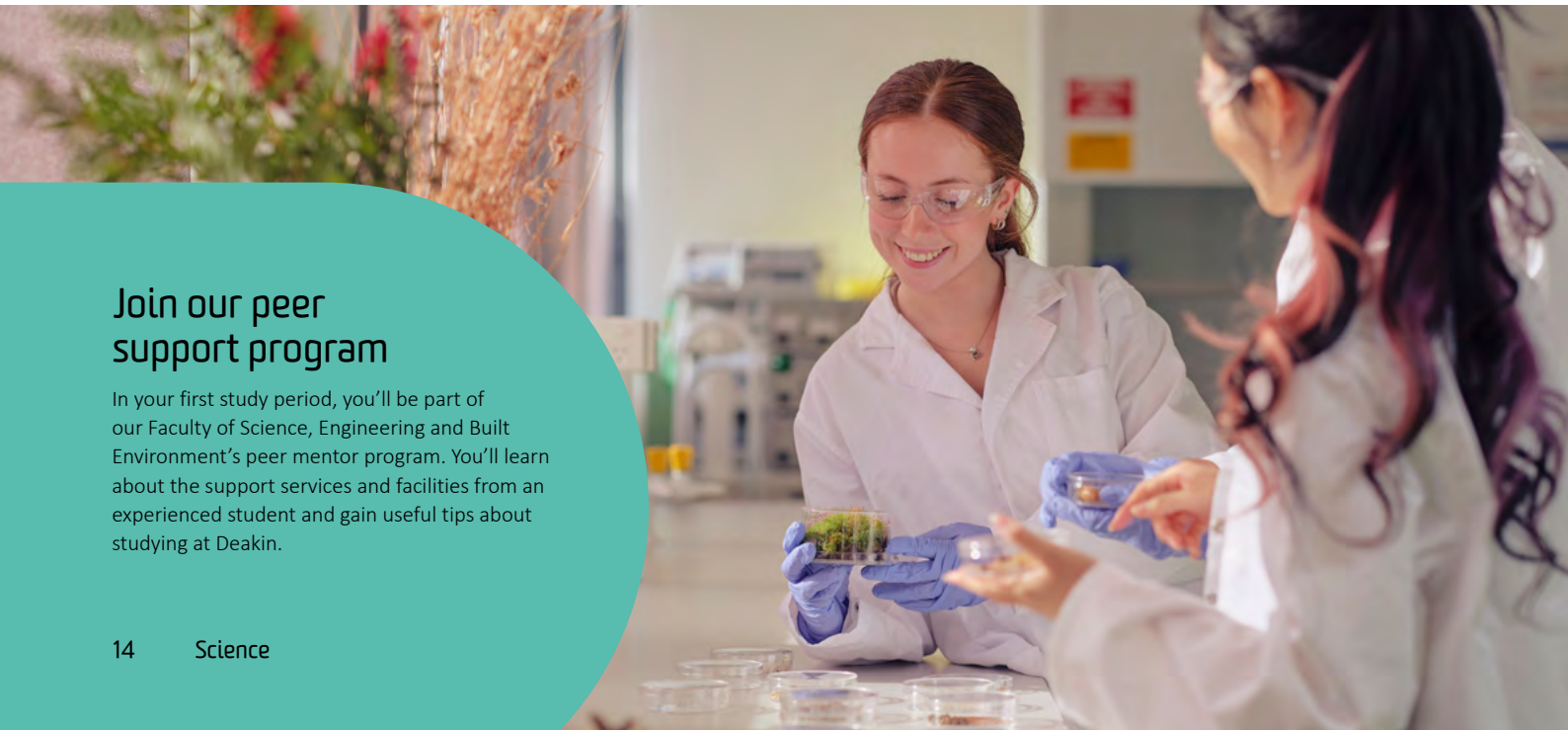
Majors and teaching methods

Alongside core education studies, you will choose two science teaching areas that will lead to your postgraduate specialisations. Choose from:

- one of Animal biology B WP, Cell biology and genomics B WP, Human biology B WP or Plant biology B
- Chemistry B WP
- Environmental science B
- Food science B
- Mathematical modelling B WP O.

deakin.edu.au/course/D304[7]

Ready to find out more about our double degrees? Visit our course webpage for full details about: course structure, pre-course and entry requirements, unit selection options, minor and major options, campus and trimester availabilities, WIL options, accreditations, Deakin Guaranteed ATAR information, and more.



Join our peer support program

In your first study period, you'll be part of our Faculty of Science, Engineering and Built Environment's peer mentor program. You'll learn about the support services and facilities from an experienced student and gain useful tips about studying at Deakin.

Courses

X123 Deakin course code
Course duration in years
Trimester intake
Y12 Recent secondary education
NY12 Non-year 12

B Melbourne Burwood Campus
WP Geelong Waurn Ponds Campus
WF Geelong Waterfront Campus
WB Warrnambool Campus
O Online

Bachelor of Biomedical Science S323

3 T1, T2

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/S323[7]

CAMPUS	B	WP
ATAR	80.25	71.65
GUARANTEED ATAR[6]	✓	✓

Bachelor of Forensic Science S324

3 T1, T2

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/S324[7]

CAMPUS	WP
ATAR	60.85
GUARANTEED ATAR[6]	✓

Bachelor of Forensic Science (Honours) S401

1 S1, S2

ENTRY REQUIREMENTS

Please visit **deakin.edu.au/course/bachelor-forensic-science-honours** for entry requirements.

deakin.edu.au/course/S401[7]

CAMPUS	WP

Bachelor of Marine Science S337

3 T1, T2

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/S337[7]

CAMPUS	WP	WB
ATAR	64.80	52.30
GUARANTEED ATAR[6]	✓	✓

Bachelor of Science S320

3 T1, T2

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/S320[7]

CAMPUS	B	WP
ATAR	62.05	60.30
GUARANTEED ATAR[6]	✓	✓

Bachelor of Zoology and Animal Science S369

3 T1, T2

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/S369[7]

CAMPUS	WP
ATAR	64.30
GUARANTEED ATAR[6]	✓

DOUBLE DEGREES

Bachelor of Arts/Bachelor of Science D311

4 T1, T2, T3

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/D311[7]

CAMPUS	B	WP
ATAR	66.00	66.00
GUARANTEED ATAR[6]	✓	✓

Bachelor of Commerce/Bachelor of Science D300

4 T1, T2, T3

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/D300[7]

CAMPUS	B
ATAR	81.60
GUARANTEED ATAR[6]	✓

Bachelor of Forensic Science/Bachelor of Criminology D329

4 T1, T2

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/D329[7]

CAMPUS	WP
ATAR	64.50
GUARANTEED ATAR[6]	✓

Courses

X123 Deakin course code
Course duration in years
Trimester intake
Y12 Recent secondary education
NY12 Non-year 12

B Melbourne Burwood Campus
WP Geelong Waurn Ponds Campus
WF Geelong Waterfront Campus
WB Warrnambool Campus
O Online

Bachelor of Science/Bachelor of Laws D331

5 T1, T2

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 30 (EAL) or 25 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/D331[7]

CAMPUS	B
ATAR	92.45
GUARANTEED ATAR[6]	✓

Bachelor of Science/Master of Teaching (Secondary) D304

4 T1

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/D304[7]

CAMPUS	B
ATAR	66.85
GUARANTEED ATAR[6]	✓

RELATED COURSES

Bachelor of Environmental Science and Sustainability S398

3 T1, T2

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/S398[7]

CAMPUS	B
ATAR	60.55
GUARANTEED ATAR[6]	✓

Bachelor of Environmental Science (Wildlife and Conservation Biology) S393

3 T1, T2, T3

ENTRY REQUIREMENTS

Y12 VCE units 3 and 4 English – study score of at least 25 (EAL) or 20 (not EAL).
NY12 See webpage for further information.

deakin.edu.au/course/S393[7]

CAMPUS	B
ATAR	76.20
GUARANTEED ATAR[6]	✓

Endnotes

1 2024 QS World University Rankings by Subject.
2 Graduate Outcomes Survey 2024, Quality Indicators for Learning and Teaching (QILT), based on overall employment for domestic undergraduates.
3 Australian Graduate Survey 2010–2015, Graduate Outcomes Survey 2016–2023, Quality Indicators for Learning and Teaching (QILT).
4 Australian Graduate Recruitment Industry Awards 2017, 2018, 2019, 2020 winner for most popular career service in Australia; Employability award, 2021 Australian Financial Review Higher Education Awards.
5 Science & Mathematics (Undergraduate), CompareEd (QILT – Student Experience Survey), 2023–2024.
6 Deakin guaranteed ATARs and more information are available at: **deakin.edu.au/deakin-guaranteed-atar**.
7 Visit our course webpage for full details about: course structure, pre-course and entry requirements, unit selection options, minor and major options, campus and trimester availabilities, WIL options, accreditations, Deakin Guaranteed ATAR information, and more.
8 #3 university in Victoria for scientific impact, CWTS Leiden Ranking 2025.

Your pathway to a PhD or research degree

For over 50 years, Deakin research has been shaping the world. Did you know that studying at the honours level gives you valuable research experience and opens doors to a future PhD or masters by research?
To find out more, visit: **deakin.edu.au/research**.

Find an honours degree

Want to know more about studying at the honours level? To get more information visit: **deakin.edu.au/study/how-to-apply/honours-degree-applications**.

Contact us

We're here to help

We have staff at each of our campuses who are more than happy to answer your general queries.

Prospective student enquiries

Domestic students
1800 693 888
deakin.edu.au/help-hub

International students
+61 3 9918 9188
study@deakin.edu.au

Social media at Deakin

facebook.com/DeakinUniversity
instagram.com/DeakinUniversity
tiktok.com/@deakinuni
linkedin.com/school/deakin-university

Other useful websites

vtac.edu.au
studyassist.gov.au
myfuture.edu.au
youthcentral.vic.gov.au

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Deakin University CRICOS Provider Code: 00113B
TEQSA Provider ID: PRV12124

DEAKIN UNIVERSITY

DEAKIN OPEN DAY

Warrnambool
SUNDAY 2 AUGUST

Geelong Waterfront and Waurn Ponds
SUNDAY 16 AUGUST

Melbourne Burwood
SUNDAY 23 AUGUST

openday.deakin.edu.au

Deakin University CRICOS Provider Code: 00113B

Science