2020 Undergraduate

Science

Cloud Campus | Melbourne | Geelong | Warrnambool

Biomedical science
Forensic science
Science
Zoology and animal science
Tackle the planet’s biggest challenges

If you’d like to improve the world around you, choose science and make an impact in broad fields like climate change, stem cell research or forensic crime. You’ll gain more than a degree when you study science at Deakin. With hands-on learning, industry collaboration and expert teaching staff, you’ll be well prepared for an exciting future career.

Your future in science

Tailor your studies to your interests

How you study science at Deakin depends on your interests and career aspirations. Study a general science degree, with 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 or zoology and animal science. You can also combine science studies with one of the following to maximise your career options:

- arts
- commerce
- criminology
- law
- teaching.

A pathway to further research and education

A science degree is an excellent pathway degree, providing a stepping stone to postgraduate studies in teaching, nutrition or medicine, as well as a strong pathway to further research at any of Deakin’s campuses, recognised for their strong research culture.

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
- the use of stem cells in medical research to improve our quality of life
- using nanotechnology to create new and innovative materials.

#1 university for skills development

Gain a competitive edge in the workplace with real-world expertise and practical skills. Deakin’s ranked the #1 university for skills development in Victoria¹, which means you’ll graduate highly skilled, work-ready and in-demand from employers.

¹ 2018 Student Experience Survey
Forensic Science component of the combined course in forensic science degree. Both the Bachelor of Forensic Science and the Bachelor of Asia-Pacific region, to offer a professionally accredited forensic science course. Deakin is the first university in Australia, and the only university in the world, to offer a professionally accredited forensic science course.

our 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 first university in Australia, and the only university in the Asia-Pacific region, to offer a professionally accredited forensic science degree. Both the Bachelor of Forensic Science and the Bachelor of Forensic Science component of the combined course in forensic science and criminology are professionally accredited by the Chartered Society of Forensic Sciences in the UK.

Travel the world

Deakin Abroad

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 hospital clinics in China on a two-week placement, or get involved in a range of community health projects in Thailand, the Philippines and South Africa.

deaquin.edu.au/sebe/global

Global Science and Technology Program

Add an international experience to your degree, supporting you to develop new skills and a broader world view while studying overseas. Successful applicants will be offered a monetary scholarship to assist with travel costs and will be required to participate in the Deakin Global Citizenship Program. This program is open to current Year 12 students via the VTAC application process.

deaquin.edu.au/sebe/global

Take a look through our disciplines (also known as study areas) to choose your area of expertise. Knowing which discipline you’re interested in helps career advisers find the best course for your interests. Corresponding courses are featured in the following pages, so you can learn more about what you’ll study, work experience opportunities and the types of careers you could pursue.

When you choose a course, you can then pick which discipline to specialise in within that course. Visit deakin.edu.au for detailed discipline and course information, including a description of the units within each degree.

Disciplines

Forensic science

Gain formal training in the skills and techniques essential in the modern forensic science workplace. These chemically 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 based on entomology, human anatomy and DNA-based forensic science.

Forensic chemistry

Forensic chemistry provides you with the specific chemistry skills that are critical in the forensic science workplace. These chemically 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 based on toxicology, drug detection and chemical detection.

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Disciplines

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, including physiology and genetics, and their relationship to human diseases.

Infection and immunity
Build on the core skills of genetics, microbiology and immunology. This is an advanced and integrated study area that offers a deeper understanding of host-pathogen interactions, as well as the public health and clinical epidemiological burdens of infectious diseases.

Mathematical modelling
Acquire strong critical knowledge and develop your powers of analysis, logical thinking and problem-solving, as well as a high level of numerical ability. With an emphasis on developing solid background knowledge in the discipline, this major covers traditional subjects (calculus, algebra and discrete mathematics) and also modern topics (information modelling and data analysis), which will help you develop practical skills to implement mathematics in a variety of applications.

Medical biotechnology
Use 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
Examine core genomics areas, including medical and human genomics, comparative genomics, microbial and forensic genomics, biotechnology (drug discovery) and phylogenomics. You’ll also gain a sound understanding of associated methodologies including Next Generation Sequencing, high throughput genotyping, metagenomics, small RNA and transcriptome analysis, and acquire quantitative and bioinformatics skills required for genomics research and big data analysis.

Molecular life sciences
Acquire an advanced understanding of chemical, physiological and genetic processes that determine health and disease at the molecular level. You’ll also develop the technical skills relevant for biomedical research.

Natural history
Study plants and animals in their natural environment, leaning more towards observational than experimental study methods. This study area emphasises the biological aspects of natural history and includes studies in zoology, botany and palaeontology.

Pharmaceutical science
Learn about the chemistry, biology and technology of medicines. You’ll gain an enhanced understanding of the discovery, design and function of drugs, applicable both in medicinal research and the pharmaceutical industry.

Plant biology
This major is suited to those interested in botany and includes studies in plant morphology, identification, reproduction and evolution, as well as vegetation management and bioglyphy.

Zoology and animal science
Understand the form and function of different animals and how they adapt to their environment, including the diversity, ecology, behaviour, physiology, genetics and evolutionary biology of animals, from amoeba through to zebra.

Courses to careers
Visit explore.deakin.edu.au to kickstart your course and career exploration. With more than 600 paired courses and careers, it’s the perfect destination for you to discover your future career.

Deakin scientist names two new tiny species
Cuong Huynh, from Deakin’s School of Life and Environmental Sciences, has discovered two new species of millipedes, each smaller than a grain of rice – but both playing an important role in the breakdown and decomposition of plant litter.

In a paper recently published in the Australian Journal of Zoology, he describes how the pair belong to a group of minute ‘pincushion’ millipedes, named this way because they’re covered in body hairs that look like tiny pins sticking out from their bodies.

Mr Huynh says it was long thought that there was just one species of the Phryssonotus millipedes found in South Australia and formally described in 1933.

But in my recent study, specimens were collected from different regions and they didn’t all look the same; they had varying body lengths and the patterns formed by their body hairs also differed,” he says.

‘I found three typical patterns of body hairs among the specimens I collected: a trapezoid-“T” shape, or dark banding. The length-to-width ratios of their body hairs also differed.’

Next, he looked at a gene that’s frequently used for separation of species called CO1 to confirm that there were indeed three different species of Phryssonotus.

He then had the honour of naming the two additional species, but the ‘Huynh Millipede’ was ruled out by scientific protocol. Instead the two new species were named for the geographic area they can be found in.

The trapezoid patterned species collected from the south east coast of Victoria was named P. australis, meaning ‘southern’, and the species with dark banding collected from Western Australia was named P. occidentalis, meaning ‘western’.

‘There is limited information out there on these species, and consequently they’re often overlooked. By describing these species I’m hoping to help progress scientific study, giving other scientists who might come across these animals access to some information to help identify them.”

I have always felt incredibly supported by every staff member I’ve met at Deakin. Many have taken time out of their schedule to write me letters of recommendation for various internship applications, or just made themselves available to me to offer advice on how to make the most out of my degree.’

Ellen Gunn
Bachelor of Biomedical Science student
Graduates can confidently enter a range of career options. Through your extensive practical training, you’ll graduate with the skills needed to thrive in a range of areas including:

- medical research
- forensic science
- pharmaceutical industries.

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 including medicine (which will complement your scientific training and broaden your career opportunities).

**Work experience**

Professional Practice in Bioscience is a compulsory unit in the Bachelor of Biomedical Science. This means you’ll have a minimum of 80 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:

- Environmental health
- Infection and immunity
- Medical botany
- Medical genomics
- Molecular life science
- Pharmaceutical science
- Biochemistry
- Cell biology
- Genetics and genomics
- Physics for the Life Sciences

**Bachelor of Forensic Science**

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 use scientific evidence to solve crimes.

**Professional recognition**

The Bachelor of Forensic Science is professionally accredited by the Chartered Society of Forensic Sciences (CSFS).

**Careers**

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

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

**Courses**

**Bachelor of Biomedical Science**

Course structure

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Trimester 1</th>
<th>Trimester 2</th>
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<tbody>
<tr>
<td>Cells and Genes</td>
<td>Chemistry for the Professional Sciences</td>
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<tr>
<td>Chemistry in Our World or one elective unit</td>
<td>one elective unit</td>
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<tr>
<td>Essential Skills in Bioscience</td>
<td>Biology: Form and Function</td>
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</tr>
<tr>
<td>Academic Integrity (0 credit points)</td>
<td>Physics for the Life Sciences</td>
<td></td>
</tr>
<tr>
<td>Laboratory and Fieldwork Safety Induction Program (0 credit points)</td>
<td>Elective/major</td>
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<tr>
<th>Year 2</th>
<th>Trimester 3</th>
<th>Trimester 4</th>
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<tbody>
<tr>
<td>Biochemistry</td>
<td>Genetics and Genomics</td>
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<tr>
<td>Microbiology</td>
<td>Cell Biology</td>
<td></td>
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<tr>
<td>Research Methods and Data Analysis</td>
<td>Systems Physiology</td>
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<tr>
<td>Elective/major</td>
<td>Introduction to Work Placements</td>
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<td></td>
<td>(0 credit points)</td>
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<td></td>
<td>Elective/major</td>
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<tr>
<th>Year 3</th>
<th>Trimester 5</th>
<th>Trimester 6</th>
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<tbody>
<tr>
<td>Advanced Topics in Biomedical Science</td>
<td>Professional Practice in Bioscience</td>
<td></td>
</tr>
<tr>
<td>Elective/major x 3</td>
<td>Medical Microbiology and Immunology</td>
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<td></td>
<td>Molecular Basis of Disease</td>
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**International students**

Did you know Deakin’s School of Medicine offers three preferential places into Deakin’s Doctor of Medicine for international students who successfully complete our Bachelor of Biomedical Science and meet the Doctor of Medicine admission criteria? deakin.edu.au/medicine/study-options/international-admission

**Bachelor of Forensic Science**

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<table>
<thead>
<tr>
<th>Year 1</th>
<th>Trimester 1</th>
<th>Trimester 2</th>
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</thead>
<tbody>
<tr>
<td>Cells and Genes</td>
<td>Introduction to Statistics and Data Analysis</td>
<td></td>
</tr>
<tr>
<td>Chemistry in Our World</td>
<td>Academic Integrity (0 credit points)</td>
<td></td>
</tr>
<tr>
<td>Introduction to Spectroscopic Principles</td>
<td>Laboratory and Fieldwork Safety Induction Program (0 credit points)</td>
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<tr>
<td>Major x 2</td>
<td>Elective</td>
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<table>
<thead>
<tr>
<th>Year 2</th>
<th>Trimester 3</th>
<th>Trimester 4</th>
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</thead>
<tbody>
<tr>
<td>Forensic Biology</td>
<td>Forensic Analysis and Interpretation</td>
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<tr>
<td>Major x 2</td>
<td>Elective</td>
<td></td>
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</table>

<table>
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<tr>
<th>Year 3</th>
<th>Trimester 5</th>
<th>Trimester 6</th>
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<tbody>
<tr>
<td>Elective x 4</td>
<td>Elective</td>
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**Gain practical ‘crime scene’ experience**

Our purpose-built crime scene training facility offers you real-life experience of working a crime scene. To find out more, visit deakin.edu.au/study-at-deakin/find-a-course/forensic-science.
Bachelor of Science

Deakin’s Bachelor of Science prepares you for the exciting world of scientific discovery. Forge your own unique path by choosing from a range of specialisations to solve tomorrow’s global issues through science and discovery.

Careers

The flexibility of this course opens up a world of employment possibilities. You’ll graduate with the skills needed to unlock tomorrow’s breakthroughs, solve global issues with science and make a real difference to the health of communities.

A science degree with Deakin can lead to roles including:

- research scientist
- field botanist
- park ranger
- secondary teacher
- environmental manager
- technician
- clinical trial leader
- scientific editor
- chemist
- project manager
- environmental consultant.

Work experience

As a Deakin science student, you gain experience through innovative practical programs, including professional practice units. This means you’ll have a minimum of 80 hours’ work experience in a course-related organisation, so you can apply and consolidate knowledge gained in your course, experience workplace culture and workplace practices, explore career options, develop a professional network and prepare for real-life settings in which today’s science graduates work.

You can also undertake an industry-based learning experience as part of the work-integrated learning program. [deakin.edu.au/sebe/wil](http://deakin.edu.au/sebe/wil)

Majors

- Animal biology
- Cell biology
- Chemistry
- Chemistry and materials science
- Environmental science
- Fisheries and aquaculture
- Freshwater biology
- Genomics
- Geography
- Human biology
- Mathematical modelling
- Natural history
- Plant biology

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.

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

Course structure

This course structure should be used as a guide only and advice should be sought when selecting units.

[deakin.edu.au/science](http://deakin.edu.au/science)

'Like that Deakin lets you do your course how you want to. I have a lot of choice in my units, when and how much I study during the year, if I want to study abroad, if I’d like to participate in uni clubs and whether I want to study in groups like PASS or privately.'

Madeleine Nicolls
Bachelor of Science student

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<table>
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<tr>
<th>Trimester 1</th>
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<td>Year 1</td>
<td>Year 2</td>
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<td></td>
<td>Year 2</td>
</tr>
<tr>
<td>Cells and Genes</td>
<td>Communicating Science Ideas</td>
</tr>
<tr>
<td>Chemistry in Our World or one elective unit</td>
<td>Elective x 2</td>
</tr>
<tr>
<td>Ecology and the Environment</td>
<td>Major</td>
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<tr>
<td>Academic Integrity (0 credit points)</td>
<td>History and Philosophy of Science</td>
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<tr>
<td>Laboratory and Fieldwork Safety</td>
<td>Elective</td>
</tr>
<tr>
<td>Induction Program (0 credit points)</td>
<td>Major</td>
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<tr>
<td>Introduction to Work Placements (0 credit points)</td>
<td>Major</td>
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</table>
Bachelor of Zoology and Animal Science

Deakin's Bachelor of Zoology and Animal Science lets you get hands-on with animals, big and small. Apply the latest zoology theory and research in real-world settings, and develop evidence-based decision-making skills valued by industry.

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

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

Graduates typically take on roles such as:

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

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

Work experience
A professional practice unit lets you complete a placement as part of your course. This means you’ll have a minimum of 80 hours’ work experience in a course-related organisation, giving you 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.

dequin.edu.au/eb/eel/wil

Courses

#1 university in Victoria for student satisfaction
Year on year, our students are the most satisfied students of all Victorian universities. We’ve ranked this highly for the past nine years, with students being particularly happy with our:

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

1 Australian Graduate Survey 2010–2015, Graduate Outcomes Survey 2016-2018 (GO8), Quality Indicators for Learning and Teaching (QILT)

World-first study reveals environmental influences change our genes’ behaviour

In a study of pregnant women, a team of Deakin scientists has shown in humans for the first time that pregnancy can induce long-term epigenetic changes to our bodies, with major implications for understanding, preventing and treating disease.

The findings of a recent study from Deakin’s Centre for Cellular and Molecular Biology, within the School of Life and Environmental Sciences, showed women experience major molecular changes during pregnancy that could remain with them well after their pregnancy has ended. The changes are ‘epigenetic’ — meaning they’re not a mutation of the gene’s structure, but a change to how genes behave.

Centre Director and lead researcher, Professor Leigh Ackland, explains that while pregnancy is a critical period of hormonal changes, very little is known about epigenetic changes associated with the reproductive cycle.

This study highlights how the physical effects of pregnancy are ongoing, and how once you go through pregnancy, your body is altered at the most microscopic level, Professor Ackland says.

‘Long-term epigenetic changes can lead to increased risks of disease for the next generation.

Studies have previously shown the offspring of women with diabetes have an increased risk of developing obesity, glucose intolerance and type 2 diabetes.’

Professor Ackland’s research is of major significance to the medical research community because it shows in people for the first time that their epigenetic fingerprint can change as a result of external factors.

‘This has been seen in the laboratory or with animals before, but not human populations,’ she says.

‘It contributes to a greater understanding of how epigenetic factors are giving scientists a much more sophisticated understanding of physiology.’

Course structure

Trimester 1

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
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<tbody>
<tr>
<td>Cells and Genes</td>
<td>Animal Diversity</td>
<td>Sensory Neurobiology and Behaviour</td>
</tr>
<tr>
<td>Chemistry in Our World or one elective unit</td>
<td>Research Methods and Data Analysis</td>
<td>Evolution</td>
</tr>
<tr>
<td>Ecology and the Environment</td>
<td>Marine and Coastal Ecosystems</td>
<td>Evolutionary</td>
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<tr>
<td>Academic Integrity (0 credit points)</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>Laboratory and Fieldwork Safety Induction Program (0 credit points)</td>
<td>Wildlife Science</td>
<td>Ecological and Conservation Genetics</td>
</tr>
<tr>
<td>Introduction to Work Placements (0 credit points)</td>
<td>Elective</td>
<td>Professional Practice</td>
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Trimester 2

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<tr>
<th>Biology: Form and Function</th>
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<tbody>
<tr>
<td>Physics for the Life Sciences</td>
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<tr>
<td>Physical Geography</td>
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<tr>
<td>Chemistry for the Professional Sciences</td>
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<tr>
<td>or one elective unit</td>
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Trimester 3

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<tr>
<th>Zoological Field Studies</th>
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<tbody>
<tr>
<td>Vertebrate Structure and Function</td>
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<tr>
<td>Genetics and Genomics</td>
</tr>
<tr>
<td>Animal Behaviour</td>
</tr>
<tr>
<td>Elective</td>
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</tbody>
</table>


1 This course structure should be used as a guide only and advice should be sought when selecting units.
2 Students must complete at least one Chemistry unit (Chemistry in Our World or Chemistry for the Professional Scientists). Students who have not completed Year 12 Chemistry or equivalent may choose to do Chemistry in Our World in Trimester 1. Students who have completed Year 12 Chemistry or equivalent may choose to do Chemistry for the Professional Scientists in Trimester 2.
**Courses**

**Global Science and Technology Program**

Add an international experience to your degree, supporting you to develop new skills and a broader world view while studying overseas. Successful applicants will be offered a monetary scholarship to assist with travel costs and will be required to participate in the Deakin Global Citizenship Program.

*How to apply*

This program is open to current Year 12 students. You apply via a two-stage process. First, add the Global Science and Technology Program to your list of course preferences through VTAC, followed by your undergraduate course of interest as a lower preference. Second, complete the Global Science and Technology Program Supplementary application form, which is available on Deakin’s website.

To see where past students have gone, visit deakin.edu.au/sebe/global.

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**I’m learning things that I never imagined learning in this course. I’ve learnt to work in laboratories and a crime scene house – and I’ve also had hands-on experience outdoors with pigs as corpses.**

*Marie Dass*

Bachelor of Forensic Science (Honours) student

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**What’s it really like to study science?**

Hear what students have to say about studying science and biomedical science by visiting deakin.ye/study-sci.

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**Combining courses**

**Bachelor of Arts/Bachelor of Science**

Gain a competitive edge in the job market by studying the Bachelor of Arts/Bachelor of Science combined course. 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.

**Professional recognition**

Depending on your arts specialisation, certain majors are accredited by relevant bodies.

If you choose public relations, you’ll study subjects accredited by the Public Relations Institute of Australia. Our design-related units are also recognised by the Design Institute of Australia.

**Course structure**

32 credit points – 16 credit points (Bachelor of Arts) and 16 credit points (Bachelor of Science), including a major from each degree. You will also be required to complete four 0-credit-point units relating to laboratory and fieldwork safety, work placements and academic integrity.

deakin.edu.au/course/bachelor-arts-bachelor-science

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**Bachelor of Commerce/Bachelor of Science**

Deakin’s Bachelor of Commerce/Bachelor of Science lets you take your science career beyond the lab. Pair specialist science knowledge with a strong foundation in business disciplines and graduate ready to lead, innovate and succeed in your chosen field.

**Professional recognition**

Deakin Business School is accredited by AACSB International, the longest-serving global accrediting body for business schools in the world. Only 5% of business programs worldwide are AACSB accredited.

Deakin’s Bachelor of Commerce is internationally recognised and EPAS accredited by the European Foundation for Management Development (EFMD). This quality benchmark for business programs sets you up for a global career.

Our courses are developed and reviewed with industry and professional input. Thanks to our close links with the sector, government departments, professional associations and other educational providers, commerce graduates can apply for membership to these key professional bodies (depending on units taken):

- Association of Chartered Certified Accountants (ACCA)
- Association of Financial Advisers (AFA)
- Australian Human Resources Institute (AHRI)
- Australian Marketing Institute (AMI)
- Certified Practising Accountants (CPA)
- Chartered Accountants Australia and New Zealand (CA ANZ)
- Financial Adviser Standards and Ethics Authority (FASEA)
- Financial Planning Association of Australia (FPA)
- Institute of Managers and Leaders (IML)
- Institute of Public Accountants (IPA).

**Course structure**

32 credit points – 16 credit points (Bachelor of Commerce) and 16 credit points (Bachelor of Science), including a major from each degree. You will also be required to complete three 0-credit-point units relating to laboratory and fieldwork safety, work placements and academic integrity.

deakin.edu.au/course/bachelor-commerce-bachelor-science

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**Bachelor of Forensic Science/Bachelor of Criminology**

Become a crime scene expert by studying the Bachelor of Forensic Science/Bachelor of Criminology, a combined course that trains you to piece together the many facets of crime, from understanding offender motives to unlocking hidden details in evidence.

**Professional recognition**

The Bachelor of Forensic Science is professionally accredited by the Chartered Society of Forensic Sciences (CSFS).

**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. You will also be required to complete four 0-credit-point units relating to laboratory and fieldwork safety, work placements and academic integrity.

deakin.edu.au/course/bachelor-forensic-science-bachelor-criminology
Bachelor of Science/Bachelor of Laws

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.

Professional recognition
The Bachelor of Laws fulfils the academic requirements to practise as an Australian lawyer, as set by the Victorian Legal Admissions Board (VLAB).

After completion, you’ll be required to work for one year as a legal trainee or undertake a practical legal training course before admission.

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

In addition, you will be required to complete four 0-credit-point units relating to laboratory and fieldwork safety, work placements and academic integrity.

Key to symbols
– A single letter followed by 3 digits indicates the Deakin course code.
– The letter ‘T’ followed by a single digit indicates the trimester duration in years.
– A single digit after the campus codes indicates the course trimester:
  - ‘WB’ means Warrnambool Campus.
  - ‘WP’ means Geelong Waurn Ponds Campus.
  - ‘WF’ means Geelong Waterfront Campus.
  - ‘B’ means Melbourne Burwood Campus.
  - ‘C’ means Cloud Campus.
– The number ‘0’ indicates scholarship value of $6000.

Bachelor of Science/Master of Teaching (Secondary) 
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.

Professional recognition
The Master of Teaching (Secondary) is accredited by the Victorian Institute of Teaching (VIT). Students are eligible to apply for registration with VIT upon successful completion of this degree for the purposes of teacher registration in Victoria.

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.

Course and entry requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Entry requirements</th>
<th>Domestic fee</th>
<th>International fee</th>
<th>IELTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Biomedical Science</td>
<td>VCE units 3 and 4 or a study score of at least 25 in English (EAL) or at least 20 in English other than EAL</td>
<td>$9272</td>
<td>$36,400</td>
<td>6.0</td>
</tr>
<tr>
<td>Bachelor of Forensic Science</td>
<td>VCE units 3 and 4 or a study score of at least 25 in English (EAL) or at least 20 in English other than EAL</td>
<td>$8930</td>
<td>$36,000</td>
<td>6.0</td>
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<tr>
<td>Bachelor of Science</td>
<td>VCE units 3 and 4 or a study score of at least 25 in English (EAL) or at least 20 in English other than EAL</td>
<td>$9260</td>
<td>$36,000</td>
<td>6.0</td>
</tr>
<tr>
<td>Bachelor of Zoology and Animal Science</td>
<td>VCE units 3 and 4 or a study score of at least 25 in English (EAL) or at least 20 in English other than EAL</td>
<td>$9135</td>
<td>$36,000</td>
<td>6.0</td>
</tr>
<tr>
<td>Global Science and Technology Program</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor of Arts/Bachelor of Science</td>
<td>VCE units 3 and 4 or a study score of at least 25 in English (EAL) or at least 20 in English other than EAL</td>
<td>$7972</td>
<td>$36,000</td>
<td>6.0</td>
</tr>
</tbody>
</table>

Bachelors Scholarship for Women in STEM

Female students enrolled in their first year of study in a course offered by the Faculty of Sciences, Engineering and Built Environment, are encouraged to apply for a Barwon Water Scholarship for Women in STEM. If selected, you’ll receive a cash payment up to $2700 per year, with a total scholarship value of $16,800.

deaakin.edu.au/barwon-water-schol-women-in-STEM

Join our Peer Support Network (PSN)

Sign up to the Faculty of Science, Engineering and Built Environment’s PSN in your first year at Deakin to get support and guidance from more senior students in your course. You’ll learn about the support services and facilities available, while gaining useful tips about studying at Deakin.
deaakin.edu.au/sebe/students/peer-support-network

Courses

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deakin.edu.au/barwon-water-schol-women-in-STEM

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deaakin.edu.au/sebe/students/peer-support-network

Courses
<table>
<thead>
<tr>
<th>Course and entry requirements</th>
<th>Campus and ATAR</th>
<th>Course duration</th>
<th>Trimester intakes</th>
<th>Domestic fee</th>
<th>International fee</th>
<th>IELTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Commerce/Bachelor of Science (D320)</td>
<td>80.55</td>
<td>4</td>
<td>T1, T2, T3</td>
<td>$10,238</td>
<td>$36,000</td>
<td>6/6</td>
</tr>
<tr>
<td>Bachelor of Forensic Science/Bachelor of Criminology (D329)</td>
<td>85.05</td>
<td>4</td>
<td>T1, T2</td>
<td>$8580</td>
<td>$36,000</td>
<td>6/6</td>
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<tr>
<td>Bachelor of Science/Bachelor of Laws (D331)</td>
<td>NP</td>
<td>5</td>
<td>T1, T2</td>
<td>$9160</td>
<td>$36,000</td>
<td>7/6.5</td>
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<tr>
<td>Bachelor of Science/Master of Teaching (Secondary) (D304)</td>
<td>67.05</td>
<td>4</td>
<td>T1</td>
<td>$9160</td>
<td>$36,000</td>
<td>6/6</td>
</tr>
</tbody>
</table>

1. The 2019 indicative Commonwealth Supported Place (CSP) fee is based on a typical enrolment for an Australian domestic student enrolled in two trimesters of full-time study, or 8 credit points, unless otherwise indicated. This fee should be used as a guide only and is subject to change.
2. The 2020 annual course fee for international students indicates the tuition fee for two trimesters of full-time study, or 8 credit points, unless otherwise indicated. Additional fees may apply. Visit deakin.edu.au/int-fees for the latest information.
3. IELTS is the International English Language Testing System (for international students only). The IELTS scores in the table above reflect the minimum overall score required, as well as the lowest score allowed for any band (overall and/or band score).
4. Recent secondary education applicants include current Year 12 students in 2019, as well as Year 12 graduates from 2018 and 2017.
5. International student entry requirements can be found at deakin.edu.au/international-students.
6. There are four categories under which non-Year 12 applicants may apply to Deakin: applicants with higher education study, applicants with Vocational Education and Training (VET) study, applicants with work and life experience, and applicants who completed Year 12 in 2016 or earlier.

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#1 careers service in Australia
Prepare yourself for the jobs and careers of the future. Use DeakinTALENT’s programs and services to research different career options, have your interview skills looked at, and find a graduate job.

deauintalent.deakin.edu.au

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**Contact us**

**We’re here to help**
We have staff at all of our campuses who are more than happy to answer your general queries.

**Prospective student enquiries**

<table>
<thead>
<tr>
<th>Domestic students</th>
<th>+61 3 9627 4877</th>
</tr>
</thead>
<tbody>
<tr>
<td>International students</td>
<td><a href="mailto:study@deakin.edu.au">study@deakin.edu.au</a></td>
</tr>
</tbody>
</table>

**Other useful websites**

- www.vtac.edu.au
- www.myfuture@deakin.edu.au
- www.myfuture.edu.au
- www.youth.gov.au
- www.youthcentral.vic.gov.au

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**Global leadership**

- deakin.edu.au/
- twitter.com/Deakin
- facebook.com/DeakinUniversity
DEAKIN OPEN DAY 2019

WARRNAMBOOL
Sunday 4 August
10am–2pm
Princes Highway,
Warrnambool Victoria

GEELONG WAURN PONDS
Sunday 18 August
9am–3pm
75 Pigdons Road,
Waurn Ponds Victoria

GEELONG WATERFRONT
Sunday 18 August
9am–3pm
1 Gheringhap Street,
Geelong Victoria

MELBOURNE BURWOOD
Sunday 25 August
9am–3pm
221 Burwood Highway,
Burwood Victoria

openday.deakin.edu.au

1800 MYFUTURE (1800 693 888)
deaquin.edu.au