



**DEAKIN**  
UNIVERSITY AUSTRALIA

**SCIENCE**

**UNDERGRADUATE**



| MELBOURNE | GEELONG | WARRNAMBOOL | OFF CAMPUS

**2013**

BIOLOGICAL SCIENCE |

BIOMEDICAL SCIENCE |

FORENSIC SCIENCE |

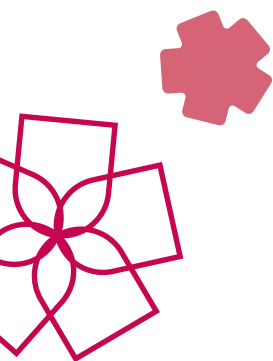
SCIENCE |

ZOOLOGY AND ANIMAL SCIENCE |



**SCIENCE**

# Discover science at Deakin University



Whether you want to learn how to interpret a crime scene, understand and treat diseases or pursue your interest in the biology of animals, Deakin's courses in science have something for you.

Deakin's science courses provide you with a range of skills that are highly sought-after by employers. You can gain specialist knowledge, practical skills, the ability to think critically and solve problems, learn independently and be an effective team member.

You will also enjoy the advantage of small class sizes and personal contact with research-active staff.

As a graduate of a Deakin science course you may find career opportunities in an exciting range of areas including the general health and medical industry, pharmaceuticals, food and agriculture, forensics, government and research.

This booklet will show you the range of courses we offer in science, key features of our courses and career opportunities you can gain from completing a degree at Deakin.






Choosing a university course is an important decision – and we are here to help. We encourage you to gather as much information as possible to help you make an informed decision about which course is best for you.

If you need more information, please contact us on 1300 DEGREE (1300 334 733), email [enquire@deakin.edu.au](mailto:enquire@deakin.edu.au) or visit [deakin.edu.au](http://deakin.edu.au).

We look forward to seeing you at Deakin!

**The Deakin team**

## Finding more information

2013 Undergraduate Course Guide	2013 undergraduate career booklets	Undergraduate eBrochure	Social media @Deakin	Website	Contact us
<p>This guide provides an overview of the undergraduate courses Deakin offers, and information about how to apply, our campuses, student services and study options, such as part time and off campus.</p> <p>To order a copy of this or any other brochure, phone 1300 DEGREE (1300 334 733).</p> <p>To view brochures online visit <a href="http://deakin.edu.au/future-students/brochures">deakin.edu.au/future-students/brochures</a>.</p>	<p>Deakin has a range of undergraduate career booklets which provide more information on areas of study, career opportunities, course overviews and course structures. These career booklets are available in the following areas:</p> <ul style="list-style-type: none"> <li>» architecture and built environment</li> <li>» arts, humanities and social sciences</li> <li>» business</li> <li>» education</li> <li>» engineering</li> <li>» environment</li> <li>» health</li> <li>» information technology</li> <li>» law</li> <li>» nursing and midwifery</li> <li>» optometry</li> <li>» psychology</li> <li>» science (this booklet)</li> <li>» sport.</li> </ul>	<p>Find out more in our new interactive eBrochure available from <a href="http://deakin.edu.au/ebooklet/undergrad">deakin.edu.au/ebooklet/undergrad</a>, the Apple App Store and Google play.</p> <div>   </div>	<p>Connect with other future students and ask current students and staff about life and study at Deakin.</p> <p><a href="https://facebook.com/discoverdeakin">facebook.com/discoverdeakin</a></p> <p><a href="https://twitter.com/discoverdeakin">twitter.com/discoverdeakin</a></p> <p><a href="https://youtube.com/discoverdeakin">youtube.com/discoverdeakin</a></p> <div>    </div>	<p>Deakin's website offers comprehensive course and fee information including details of new courses, campuses, facilities and support services. Visit <a href="http://deakin.edu.au">deakin.edu.au</a>.</p> <p>To search for courses and click through to unit descriptions visit <a href="http://deakin.edu.au/courses">deakin.edu.au/courses</a>.</p>	<p>Phone 1300 DEGREE (1300 334 733) to speak with a student adviser. You can also contact us via email at <a href="mailto:enquire@deakin.edu.au">enquire@deakin.edu.au</a>.</p> <p>There are many opportunities throughout the year to visit Deakin, experience a campus tour and talk with representatives face-to-face.</p> <p>For more information on event dates visit <a href="http://deakin.edu.au">deakin.edu.au</a>. 2012 Open Day dates are listed on the back cover of this booklet.</p>

# Contents



## Using this booklet

This booklet provides you with detailed information about Deakin's undergraduate courses in science (for domestic students), including study areas, career opportunities, course overviews and course structures. It is designed to be read in conjunction with the *2013 Undergraduate Course Guide*, which gives an overview of all of Deakin's undergraduate courses, study options, support services and campuses.

Deakin University also produces course guides specifically for international students. To request a copy phone Deakin International on 03 9244 5095.

## 2 Science at Deakin

- 4 Where do our graduates go?
- 5 Courses and ATARs table
- 6 Major study areas

## 8 Courses

- 21 How to apply

## 22 Pathways

## 25 Find out more

- 25 Important dates 2012

# Science at Deakin

## Study a general or specialist degree – the choice is yours

At Deakin you can take a broad approach to your science studies or give them a more specific focus.

For a broad approach, our science course gives you the opportunity to pursue at least one science major sequence in an area of interest with the possibility of a second major sequence.

Our biomedical science course is a vibrant, relevant and topical program with a multidisciplinary approach that enables you to learn about your chosen fields of study from both scientific and health perspectives.

Our forensic science course aims to provide you with the skills and techniques essential to this field, including the examination and presentation of scientific evidence.

In our biological science course you will study a wide range of units in biology, including animal and plant biology, genetics, physiology and evolution as well as gain relevant and wide ranging practical experience in both the laboratory and the field.

In our zoology and animal science course you will learn about the form and function of different animals and how they are adapted to their environment. This course will provide you with a broad understanding of the current field of zoology, including the diversity, ecology, behaviour, physiology, genetics and evolutionary biology of animals.

Science at Deakin is also available as a combined course with arts, commerce, engineering and law, and as a concurrent course with teaching (science), enabling you to complete two degrees in a shorter timeframe than it would take to complete the degrees separately, offering a broad range of career opportunities.

Deakin also offers the Bachelor of Forensic Science/Bachelor of Criminology combined course.

## Hands-on learning

As a Deakin science student, you will gain experience through innovative practical programs, including professional practice units, which have been designed to enable you to develop the skills employers highly value, and prepare you for the real-life settings in which today's science graduates work.

Our Work-Integrated Learning (WIL) Program can enable you to incorporate a full or part-time industry placement as part of your degree.

The WIL placements are designed as elective units and are credited towards your degree. Some placements also come with an industry-funded scholarship. For more information, including how Deakin students apply, please visit [deakin.edu.au/scitech/future/wil](http://deakin.edu.au/scitech/future/wil).

## First-class facilities

You will learn in a modern teaching environment and gain hands-on experience by participating in laboratory, field and project work. As well as access to first-class infrastructure and facilities, you will also enjoy the advantage of small class sizes and personal contact with our research-active staff.

At the Geelong Waurin Ponds Campus, Deakin's Geelong Technology Precinct provides the integral link between technological innovation and advanced performance outcomes, through integrating high-level research capabilities with specialised research equipment and industrial scale infrastructure. The precinct focuses on Deakin's core research capabilities in materials, biotechnology, chemistry and environmental engineering, along with regional strengths in manufacturing and agri-processing.

## Courses aimed at getting you a career

We aim to produce high-calibre, problem-solving graduates who are job-ready.

Science at Deakin opens the door to a range of careers that are stimulating, challenging and rewarding. Whether you want to interpret a crime scene, understand a disease or pursue your interest in the biology of animals, a Deakin science degree equips you with a broad skill base and a strong understanding of your chosen field.

## Industry links

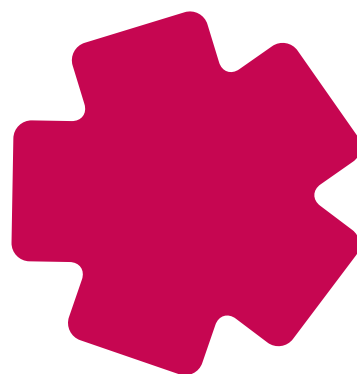
Input from industry representatives ensures our courses remain relevant and produce graduates who are equipped to meet the emerging challenges and opportunities of the workplace. For example, our forensic science course has extensive links with local and Australian forensic organisations, and features guest lecturers and site visits in collaboration with leading forensic organisations.

## Lecturers and research that make a difference

Our teaching and research staff are experts in their respective fields, with broad international links and experiences.

The Melbourne Burwood Campus has research programs in neurobiology, human genetics, cancer biology, plant biology and cell biology, physiology, science education, nutrition and exercise sciences. At the Geelong Waurin Ponds Campus there are research programs in biotechnology, chemistry, forensic science and integrative ecology. The biomedical science program has research programs in allergy, bioinformatics, neurobiology and physiology and close links with the Deakin graduate-entry medical school, biomedical research laboratories, and cutting-edge research being conducted at the Geelong Technology Precinct.

Much of Deakin's research in science is conducted in partnership with government departments, industry and leading international scientists, and is funded by nationally and internationally competitive granting agencies.



At Deakin you can study the skills and techniques of modern forensic science.

### International study opportunities

Give your degree a competitive edge with a Study Abroad Program. Deakin's Study Abroad and Exchange Office offers various programs including exchange, study abroad, short-term study programs, study tours and international volunteering opportunities, which allow you to study overseas for a few weeks, a trimester, or a year as part of your Deakin degree.

For more information on study abroad, please visit [deakin.edu.au/future-students/student-exchange/exchange](https://deakin.edu.au/future-students/student-exchange/exchange).

### Flexible study options

Genuine flexibility is a key feature of our courses. You can study most courses full time or part time, and choose specialist areas as you progress through your course to tailor your degree to match your career goals. Deakin's use of technology in course delivery, our trimester system and deferment program enhance our flexible approach to education, ensuring your study fits in with your work and lifestyle commitments. For more information, please visit [deakin.edu.au/online-offcampus](https://deakin.edu.au/online-offcampus).

### Scholarships

Deakin University offers scholarships for academic excellence, access and equity, accommodation and Aboriginal and Torres Strait Islanders, ensuring higher education is accessible for all members of the community.

Scholarships in the Faculty of Science and Technology for science students include the Dean's Scholars Program, which aims to recognise, reward and nurture high-achieving students who have recently completed Year 12 and who have been admitted through VTAC.

For more information on scholarships, please visit [deakin.edu.au/scholarships](https://deakin.edu.au/scholarships).





# Where do our graduates go?

Graduates of our science courses have the opportunity to work in a wide range of fields, including agriculture, biotechnology, the general health and medical industry, pharmaceuticals, animal health, forensics, food technology and education. They have the potential to be involved with scientific developments that hold the key to the future, with new breakthroughs being discovered every day.

Recent Deakin science graduates have been employed by a range of organisations including, but not limited to, the following:

- » Baker Institute
- » Bayer CropScience
- » Burnet Institute
- » ChemGenex Pharmaceuticals
- » CSIRO Livestock Industries
- » CSIRO Plant Industries
- » CSL
- » Department of Education
- » Department of Primary Industry
- » Department of Sustainability and Environment
- » Food Science Australia
- » Geelong Hospital
- » Geoscience Australia
- » GlaxoSmithKline
- » Howard Florey Institute
- » Mayne Pharma
- » Melbourne Pathology
- » Merck Sharp and Dohme Australia
- » Monsanto Australia
- » Municipal Association of Australia
- » Nufarm Australia
- » Parks Victoria
- » Peter MacCallum Cancer Research Institute
- » Tasmanian Alkaloids
- » Victoria Police.

## EMPLOYER PROFILE



Tim Bowser  
Head of Business Development and R&D  
GlaxoSmithKline Australia – Chemicals Division

'GlaxoSmithKline (GSK) is a global, research-based pharmaceutical and health care company. Deakin graduates display good practical skills and self-confidence which allows them to learn quickly and adapt to the work environment. Deakin graduates have also displayed leadership capabilities which have led them on career paths that include roles in senior management at GSK Australia's manufacturing operations.'



Science at Deakin opens the door to a range of careers that are stimulating, challenging and rewarding.

# Courses and ATARs table

	Melbourne Burwood Campus	Geelong campuses	Warrnambool Campus	Page
	Clearly-in ATAR 2012	Clearly-in ATAR 2012	Clearly-in ATAR 2012	
Bachelor of ...				
Biological Science   S321	69.95			8
Biomedical Science   S323	85.60	81.35		9
Food and Nutrition   H315	75.10			10
Forensic Science   S324		65.15		11
Science   S320	67.00	61.10		12
<i>For information on major sequences available, please refer to page 12.</i>				
Zoology and Animal Science   S369		70.90		14
Science and Technology (Dean's Scholars Program in science)	90.00*	90.00*		14
Associate Degree of Arts, Business and Sciences   A200		R/C	R/C	15
<b>Combined courses</b>				
Bachelor of ... / Bachelor of ...				
Arts/Science   D311	68.10	62.40		16
Commerce/Science   D321	80.05	77.50		16
Engineering/Science   D372		69.80		17
Forensic Science/Criminology   D329		72.40		18
Science/Laws   D331	92.25	82.90		19
Teaching (Science)/Science   D351	60.30			20

Geelong campuses = Geelong Warrnambool Campus and Geelong Waterfront Campus.

R/C = A range of criteria are used for selection.

\* Minimum ATAR, interviews are also taken into consideration.

If a clearly-in ATAR is not listed it means that the course is not available at that campus.

For more information on ATARs please visit [deakin.edu.au/future-students/year12](http://deakin.edu.au/future-students/year12).



## GRADUATE SNAPSHOT



Sam Mesanovic  
Bachelor of Biomedical Science (Honours), 2010  
Melbourne Burwood Campus

'Get as much experience as you can, because when you get to third year and you're looking at getting into a graduate program or looking for a job, the first thing they will ask you is what sort of experience you have – what do you know about this?, have you ever used these instruments?, have you ever used this software package? My experience out in the field helped me [attain my] chemical engineering graduate position.'

# Major study areas

## Biological chemistry<sup>°</sup> **B** **G**

The biological chemistry major sequence provides the fundamental language of chemistry and chemistry arithmetic for students wishing to understand the more chemically-oriented facets of modern biology.

## Biological science<sup>\*</sup> **B**

Study the structure, function, behaviour and evolution of living organisms, ranging from the simplest of microbes to the most complex communities of large plants and animals – and humans. Flexible units offer the opportunity to explore diverse career options and to focus on electives such as animal and plant biology, physiology, cell biology, biochemistry, molecular biology and evolutionary biology.

## Biology<sup>°</sup> **B** **G**

The biology major sequence is suitable for students who wish to obtain experience in a broad range of biological sub-disciplines. It offers the flexibility to choose units from disciplines ranging from human biology to ecology and environment.

## Biomedical science<sup>\*</sup> **B** **G**

Gain the theoretical foundation and scientific skills to expand and apply your knowledge of human biology and health. You will study units in basic biology, biochemistry, genetics, human physiology, immunology, microbiology and molecular biology, with an emphasis on causes, diagnosis and treatment of disease at the molecular, cellular and system levels.

## Cell and molecular biology<sup>°</sup> **B**

The cell and molecular biology sequence is designed to provide a focused understanding of advanced molecular cell biology, microbiology and human molecular genetics. This sequence will also prepare you to focus and acquire theoretical and practical skills in molecular biology.

## Chemistry<sup>°</sup> **G**

An introduction to the synthesis, separation, detection and measurement of chemical substances, their properties and reactions.

## Criminology<sup>\*°</sup> **G** **X**

Community services and police forces everywhere want well qualified staff. Deakin provides its criminology students with a solid practical understanding of policing, criminal justice, security and social process issues, as well as skills in research and analysis to help deal with increasingly complex work.

## Environmental science<sup>\*°</sup> **B**

This major sequence focuses on the technical science aspects of environmental science, and aims to provide an even balance between environmental studies on the geosphere, hydrosphere, atmosphere and biosphere.

## Exercise science<sup>°</sup> **B** **X**

This major sequence provides you with a sound understanding of the core sciences underpinning both competitive sport and recreational physical activity. A variety of learning approaches is adopted, allowing you to integrate your sporting interests with your studies, as well as to match these with your employment objectives.

## Food science<sup>°</sup> **B**

Develop knowledge and practical skills in areas such as food microbiology, functional foods, food analysis and quality assurance, and design a completely new food product in order to consolidate your understanding of product formulation, processing, packaging, labelling, food safety, marketing and the environmental impact of product development and manufacture. This major sequence prepares you for a range of career areas and is particularly well suited to those interested in employment in the food industry.



### Food studies°

This major sequence provides you with knowledge of food, ranging from the science of food composition to community issues such as genetically modified foods and food law. This understanding will be useful for a range of careers, including those in industry, health services, business and the mass media.

### Food and nutrition\*

Learn how food is manufactured, processed, eaten, digested and ultimately its impact on health. You will gain an understanding of human nutrition and the complexity of current issues relating to food and human health including cardiovascular disease, nutrition and ageing, children's food habits, social and physiological aspects of food and nutrition and bone health. For more information, please refer to the *2013 Undergraduate Health Career Booklet*.

### Forensic science\*

Learn to apply scientific knowledge to legal problems through the analysis of physical evidence. Cover aspects of chemical, statistical and biological analysis as they relate to forensic science, and undertake supporting studies in criminology, including the examination and interpretation of evidence.

### Health sciences\*

This course is ideal for students who want to study health issues, but who would enjoy the freedom of determining the area on which they wish to focus. The flexible structure allows you to cover a wide range of areas. For more information, please refer to the *2013 Undergraduate Health Career Booklet*.

### Mathematical modelling°

Studies in mathematics provides you with a strong critical knowledge base and develops powers of analysis, logical thinking and problem solving, as well as a high level of numerical ability.

### Nutrition°

Studies in nutrition will provide you with a sound knowledge of the biological basis of human nutrition and the relationship between diet, health and disease.

### Secondary teaching\*

Graduate with a full science degree and a secondary teaching qualification through Deakin's innovative Bachelor of Teaching (Science)/Bachelor of Science degree. You can take discipline and elective units that are specifically designed to meet the requirements of teaching in areas of mathematics, biology, chemistry and environmental science.

### Zoology°

Study the biology of animals from several aspects ranging from an understanding of how animals function, their evolution and their relationship with the environment.

### Zoology and animal science\*

The zoology and animal science course is designed to provide a detailed understanding of animal biology. You will learn about the physiology, ecology, evolution and behaviour of different animals, and gain practical skills through field courses and laboratory practical classes.

.....  
\* This is offered as a full degree program.

° This is offered as a major sequence within a full degree program.

## GRADUATE SNAPSHOT



David Eastham  
Bachelor of Biological Science, 2009  
Melbourne Burwood Campus  
Employed: Biosecurity Leader – Incursion Control,  
Department of Primary Industries (DPI)

'At Deakin you're not just a number and the academics take a genuine interest in your studies. I was able to talk with academics who had expertise in areas that appealed to me, which helped me decide what subjects, work and volunteer experience would get me to where I wanted to go.'

I finished the DPI Graduate Program in December 2011 and am currently working as a Biosecurity Leader – Incursion Control. This involves looking into the best ways to respond to high-risk invasive plants and animals that may enter our state. Knowing that my work can make a difference is very rewarding.

My course has helped my career by providing me with knowledge and skills that made me suitable for a wide variety of roles within the workforce ... and I still consult with the professors from Deakin on various work-related subjects.'



# Courses

## Bachelor of Biological Science 3 B

Deakin code	VTAC code	Indicative first year fee	ATAR
S321	16061 (CSP)	\$4530 (CSP) <sup>1</sup>	69.95
Year 12 prerequisites	VCE units 3 and 4 – a study score of at least 25 in English (ESL) or 20 in any other English.		
Non-Year 12 requirements	VTAC Pi form.		

Deakin's Bachelor of Biological Science provides you with a wide range of units in biology, including animal and plant biology, genetics, physiology and evolution. You will learn in a modern teaching environment and gain hands-on experience by participating in laboratory and project work and by undertaking professional practice.

This course has a first year of foundation units followed by a second year focusing on biodiversity and organismal biology. Using elective units from second and third year, you can pursue a particular interest in biology either by selecting one of the planned major sequences, or by tailoring your degree with elective units chosen from a range of second and third-year biology units or units from any other Faculty within the University.

An honours year is available for high-achieving students upon completion of this degree.

### Career opportunities

You may find employment in a range of areas including those within the general health and medical industry (hospital scientists, analytical and diagnostic laboratory scientists and research scientists), food and agriculture-based industries, animal health, quarantine, wildlife biology, environmental consulting, museums, herbaria and the emerging biotechnology industries.

### Work-Integrated Learning

As part of the course you are required to complete a professional practice unit which involves a placement for a minimum of two weeks within a relevant, course-related organisation.

### Course structure

You must complete 24 credit points of study, including 15 core units and 9 elective units.

#### Level 1

SLE010 Laboratory and Fieldwork Safety Induction Program (0 credit point safety unit)  
 SLE103 Ecology and the Environment  
 SLE111 Cells and Genes  
 SLE115 Essential Skills in Bioscience  
 SLE131 Principles of Chemistry  
 SLE132 Biology: Form and Function  
 SLE136 History of Life

*Plus one unit from:*

SEP122 Physics for the Life Sciences  
 SLE152 Chemistry of Life  
 SLE102 Physical Geography

#### Level 2

SLE203 Plant Biology  
 SLE204 Animal Biology  
 SLE206 Molecular Cell Biology  
 SLE251 Research Methods and Data Analysis  
 SLE254 Genetics

*plus three elective units*

#### Level 3

SLE324 Microbiology  
 SLE370 Evolution

*Plus one unit from:*

SLE314 Research Project  
 SLE390 Professional Practice in Bioscience  
 SLE352 Community Science Project

*plus five elective units*

### Major sequences

You may tailor your choice of units to study a major sequence such as cell and molecular biology or zoology.

Science students at Deakin learn in a modern teaching environment.



**KEY**

- 3** Course duration in years  
**B** Melbourne Burwood Campus  
**F** Geelong Waterfront Campus  
**G** Geelong Warrnambool Campus  
**W** Warrnambool Campus  
**X** Off campus

## Bachelor of Biomedical Science **3 B G**

Deakin code	VTAC code	Indicative first year fee	ATAR
5323	<b>B</b> 14111 (CSP) <b>G</b> 15281 (CSP)	\$5080 (CSP) <sup>1</sup>	<b>B</b> 85.60 <b>G</b> 81.35
Year 12 prerequisites	VCE units 3 and 4 – a study score of at least 25 in English (ESL) or 20 in any other English and a study score of at least 20 in one of biology, chemistry or physics.		
Non-Year 12 requirements	VTAC Pi form.		

Deakin's Bachelor of Biomedical Science covers the science underpinning medical applications, from basic biology to specific disease processes. You will gain the theoretical foundation and scientific skills to expand and apply your knowledge of human biology and health, with an emphasis on causes, diagnosis and treatment of disease at the molecular, cellular and system levels. It is a vibrant, relevant and topical program that provides a flexible, innovative and comprehensive course. Our multidisciplinary approach, and a number of elective units at all levels, enables you to learn about your chosen fields of study from both scientific and health perspectives.

An honours year is available for high-achieving students upon completion of this degree.

### Career opportunities

As a graduate you will be able to enter a range of health-related industries including areas such as medical research, genetic engineering, the pharmaceutical industry, pharmaceutical/medical sales, and laboratory technology. You could also advance to honours or postgraduate studies, either in more specialised areas of medicine or biomedical science (which will enhance your professional development as a scientist), or in other disciplines (which will complement your scientific training and broaden your career opportunities).

### Work-Integrated Learning

As part of the course you are required to complete a professional practice unit which involves a placement for a minimum of two weeks within a relevant, course-related organisation.

### Course structure

You must complete 24 credit points of study, including 14 core units and three restricted elective units at level 1.

#### Core units

##### Level 1

SLE010 Laboratory and Fieldwork Safety Induction Program (0 credit point safety unit)  
 SLE111 Cells and Genes  
 SLE115 Essential Skills in Bioscience  
 SLE131 Principles of Chemistry  
 SLE152 Chemistry of Life  
*plus three level 1 restricted elective units and one elective unit*

##### Level 2

SLE211 Principles of Physiology  
 SLE212 Biochemistry  
 SLE221 Anatomy and Physiology  
 SLE222 Biochemical Metabolism  
 SLE254 Genetics  
*plus three elective units*

##### Level 3

SLE323 Advanced Topics in Biomedical Science  
 SLE324 Microbiology  
 SLE334 Medical Microbiology and Immunology  
*plus two/three elective units<sup>#</sup>*

*Plus one unit from:*

SLE339 Genetics of Disease  
 SLE346 Molecular Basis of Disease

*Plus one unit from:*

SLE314 Research Project  
 SLE390 Professional Practice in Bioscience  
*plus one/two elective units<sup>#</sup>*

<sup>#</sup> SLE346 is offered at Burwood in Trimester 1 and at Geelong in Trimester 2, hence the number of elective units per trimester varies for each campus.

#### Level 1 restricted elective units

HBS107 Understanding Health  
 HBS108 Health Information and Data  
 HBS109 Human Structure and Function  
 HBS110 Health Behaviour  
 HSE102 Functional Human Anatomy  
 SEP101 Engineering Physics  
 SEP122 Physics for the Life Sciences  
 SLE103 Ecology and the Environment  
 SLE132 Biology: Form and Function

## STUDENT SNAPSHOT



Jack Hennessy  
 Bachelor of Biomedical Science,  
 major sequences in nutrition and exercise science  
 Geelong Warrnambool Campus and  
 Melbourne Burwood Campus

'Deakin has been great. Moving to Geelong and living on campus has been one of the best experiences of my life – the learning environment at Warrnambool was so supportive and intimate. I've made so many great friends, and the ability to liaise on a personal level with the academic staff has been a real benefit.

The huge amount of options in regards to major sequences can really be helpful in choosing a particular career path. I had no idea I would find nutrition and exercise science so fun, but the practical aspect of the course has been a great eye-opener into what it's like in the industry.'





# Courses

## Bachelor of Food and Nutrition **3 B**

Deakin code	VTAC code	Indicative first year fee	ATAR
H315	14961 (CSP)	\$6980 (CSP) <sup>1</sup>	75.10
Year 12 prerequisites	VCE units 3 and 4 – a study score of at least 30 in English (ESL) or 25 in any other English.		
Non-Year 12 requirements	VTAC Pi form. Some applicants only: STAT Multiple Choice.		

This comprehensive course addresses all aspects of human nutrition and food science, with a strong emphasis on consumer health. Elective study, including complementary areas such as health promotion, psychology, physical activity and health or exercise science, adds diversity to your degree and may be chosen from any area of the University (subject to availability and timetabling). If you are interested in a career in the food industry it is recommended that you undertake a food science major sequence. You may also choose to undertake an industry placement elective.

This course provides an opportunity to complete the prerequisites for the Master of Dietetics.

An honours year is available upon the completion of this degree.

### Professional recognition

Enrolled students and graduates can apply for membership of the Nutrition Society of Australia (NSA). If you choose to undertake the food science major sequence, you may also be eligible for membership of the Australian Institute of Food Science and Technology (AIFST).

### Career opportunities

After successfully completing this course you will be well prepared for careers requiring knowledge of nutrition, health, food analysis, sensory analysis, product development, food safety and food manufacture. If you complete the food science major sequence will be well suited to careers in the food industry where your knowledge of nutrition and food composition will facilitate the creation and marketing of food products that help to improve health. You may also gain employment in diverse areas including food policy, food regulation, consumer education and awareness campaigns, private practice, nutrition counselling and community nutrition.

### Work-Integrated Learning

If you are interested in the possibility of enhancing your employment prospects by consolidating your knowledge and skills through realistic field experience, you are encouraged to consider undertaking an industry placement. You can do this by choosing to complete HSN311 Food Science and Nutrition Practicum as an elective unit in your final year.

### DID YOU KNOW?

Deakin allows you to take your studies further by undertaking honours. Studying honours will not only help you stand out in the marketplace but it can also be a pathway to a research degree, such as a PhD or masters.

### Course structure

You must complete 24 credit points of study, including 16 core units and 8 elective units.

#### Level 1

HBS107 Understanding Health  
HBS109 Human Structure and Function  
HSN010 Food and Nutrition Laboratory Safety (0 credit point safety unit)  
HSN101 Food: Nutrition, Culture and Innovation  
HSN103 Food: The Environment and Consumers  
HSN104 The Science of Food  
HSN106 Food Fundamentals  
SLE131 Principles of Chemistry  
*plus one elective unit*

#### Level 2

HSN201 Principles of Nutrition  
HSN202 Lifespan Nutrition  
HSN209 Food Security and Safety  
HSN210 Nutrition and Food Promotion  
*plus four elective units*

#### Level 3

HSN301 Diet and Disease  
HSN302 Population Nutrition  
HSN305 Assessing Food Intake and Activity  
HSN309 Food Policy and Regulation  
HSN313 Sensory Evaluation of Foods  
*plus three elective units*

#### Elective units

HSN204 Food Microbiology and HACCP  
HSN206 Food Analysis and Quality Assurance  
HSN212 Functional Foods and Biotechnology  
HSN307 Sports Nutrition: Theory and Practice  
HSN308 Food, Nutrition and Society  
HSN311 Food and Nutrition Practicum  
HSN315 Food Manufacturing and Process Innovation  
HSN320 Trends in Product Development

**KEY**

- 3** Course duration in years  
**B** Melbourne Burwood Campus  
**F** Geelong Waterfront Campus  
**G** Geelong Waurn Ponds Campus  
**W** Warrnambool Campus  
**X** Off campus

## Bachelor of Forensic Science **3** **G**

Deakin code	VTAC code	Indicative first year fee	ATAR
S324	15231 (CSP)	\$4840 (CSP) <sup>1</sup>	65.15
<b>Year 12 prerequisites</b>	VCE units 3 and 4 – a study score of at least 25 in English (ESL) or 20 in any other English, and a study score of at least 20 in mathematics (any).		
<b>Non-Year 12 requirements</b>	VTAC Pi form.		

Deakin's Bachelor of Forensic Science aims to provide formal training in the skills and techniques essential to modern forensic science, including the examination and presentation of scientific evidence.

The course combines studies in biology, chemistry, biochemical and chemical analysis, statistical analysis and molecular biology. You will also undertake studies in criminology, including the examination and interpretation of evidence.

The course has extensive industry links with local and Australian forensic organisations, and features guest lecturers and site visits in collaboration with leading forensic organisations.

An honours year is available for high-achieving students upon completion of this degree.

### Career opportunities

Graduates of this course may find career opportunities in areas such as forensics, insurance investigation, risk analysis, research science, government institutions and within chemical, food and pharmaceutical industries.

### Work-Integrated Learning

Deakin's Bachelor of Forensic Science offers the opportunity to undertake an Industry-Based Learning (IBL) placement or an internship.

### Course structure

You must complete 24 credit points of study, including 12 core units and a major sequence in either forensic chemistry or forensic biology in addition to the core unit requirements. You may use up to eight of your remaining electives on units offered outside the Faculty such as criminology, for example.

#### Core units

##### Level 1

ASL111 Understanding Criminal Justice  
 ASL113 Understanding Crime  
 SIT191 Introduction to Statistics  
 SLE010 Laboratory and Fieldwork Safety Induction Program  
 (0 credit point safety unit)  
 SLE111 Cells and Genes  
 SLE112 Fundamentals of Forensic Science  
 SLE131 Principles of Chemistry  
 SLE132 Biology: Form and Function  
 SLE152 Chemistry of Life

##### Level 2

SLE208 Forensic Biology  
 SLE212 Biochemistry  
 SLE213 Introduction to Spectroscopic Principles

##### Level 3

SLE313 Forensic Analysis and Interpretation

### Major sequences

#### Forensic biology

##### Level 1

SLE111 Cells and Genes\*  
 SLE132 Biology: Form and Function\*

##### Level 2

SLE211 Principles of Physiology  
 SLE212 Biochemistry\*  
 SLE221 Anatomy and Physiology  
 SLE254 Genetics

##### Level 3

SLE313 Forensic Analysis and Interpretation\*  
 SLE321 Molecular Biology Techniques

\* Core units in the degree.

#### Forensic chemistry

##### Level 1

SLE131 Principles of Chemistry\*  
 SLE152 Chemistry of Life\*

##### Level 2

SLE212 Biochemistry\*  
 SLE213 Introduction to Spectroscopic Principles\*  
 SLE214 Organic Chemistry  
 SLE229 Introduction to Separation Science

##### Level 3

SLE316 Analytical Chemistry  
 SLE318 Synthetic and Medicinal Chemistry

\* Core units in the degree.



### STUDENT SNAPSHOT



Shaelee Peel  
 Bachelor of Forensic Science  
 Geelong Waurn Ponds Campus

'The most rewarding thing about my course would, without a doubt, be the placement I was able to complete with the Victoria Police Forensic Services Department. I made fantastic connections and good friends. I did a study on gunshot residue which has aided the laboratories and, alongside the project, I spent time with the various specialised areas of the forensic labs which has been invaluable to my studies.

I am now hoping to join the police force, complete the training and then relocate into the forensics section.'



# Courses

## Bachelor of Science B G

Deakin code	VTAC code	Indicative first year fee	ATAR
S320	<span>B</span> 14401 (CSP) <span>G</span> 15221 (CSP)	\$4850 (CSP) <sup>1</sup>	<span>B</span> 67.00 <span>G</span> 61.10
Year 12 prerequisites	VCE units 3 and 4 – a study score of at least 25 in English (ESL) or 20 in any other English.		
Non-Year 12 requirements	VTAC Pi form.		

Science is a practical discipline where teamwork, critical thinking and problem solving are crucial to finding creative solutions to everyday problems. Deakin's Bachelor of Science allows you to start with a broad program then specialise as you progress through the course, developing your interests and career aspirations. Science at Deakin is not just about laboratory work, but prepares you for a range of real-life settings in which today's science graduates work.

You will gain experience through practical programs undertaken in modern teaching laboratories.

An honours year is available for high-achieving students upon completion of this degree.

### Career opportunities

Graduates of this course may find career opportunities in government institutions, in roles such as quality assurance, occupational health and safety, research, planning, management or marketing; science related industries, working in pharmaceutical production or pharmaceutical sales; biomedical science areas such as research or hospital and laboratory science; quality assurance in analytical and diagnostic laboratories; the food industry in quality control; environment and natural resources, teaching, information technology, mathematics or science journalism to name a few.

### Work-Integrated Learning

As part of the course you are required to complete Professional Practice. This will allow you to gain valuable work experience, giving you the opportunity to apply and consolidate knowledge gained in your course, experience workplace culture and workplace practices, explore career options and develop a professional network. You may also have the opportunity to undertake Industry-Based Learning, which can be credited towards your degree.

### Course structure

You must complete 24 credit points of study, including at least one 8-credit-point major sequence selected from the list below.

- » Biological chemistry B G
- » Biology B G
- » Chemistry G
- » Environmental science B
- » Mathematical modelling B G X
- » Zoology G

### Core units

#### Level 1

EES101 Communicating Science  
SLE010 Laboratory and Fieldwork Safety Induction Program  
(0 credit point safety unit)  
SLE103 Ecology and the Environment  
SLE111 Cells and Genes  
SLE131 Principles of Chemistry

### Physics units

Select one unit from:

SEP101 Engineering Physics  
SEP122 Physics for the Life Sciences

### Quantitative skills

Levels 1 and 2 – select one of:

HPS201 Research Methods in Psychology A  
SIT191 Introduction to Statistics  
SIT194 Introduction to Mathematical Modelling  
SLE251 Research Methods and Data Analysis

### Professional Practice

#### Level 3

Select at least one unit from:

SLE314 Research Project  
SLE335 Industrial Applications of Science  
SLE352 Community Science Project  
SLE390 Professional Practice in Bioscience  
STP321 Industry-Based Learning – Science  
STP371 Internship – Science

### Major sequences

Refer to pages 6–7 for an overview of these major sequences.

### Biological chemistry B G

Select 8 units from the following (must include a minimum of 2 credit points at level 2 and a minimum of 2 credit points at level 3).

#### Level 1

SLE131 Principles of Chemistry  
SLE152 Chemistry of Life

#### Level 2

SLE212 Biochemistry  
SLE213 Introduction to Spectroscopic Principles  
SLE214 Organic Chemistry  
SLE222 Biochemical Metabolism  
SLE235 Chemical Systems

#### Levels 3

SLE311 Chemical Hazards  
SLE312 Toxicology

### Biology B G

SLE111 Cells and Genes  
SLE132 Biology: Form and Function

Plus 6 credit points of study from the following, including a minimum of 2 credit points at level 2 and a minimum of 2 credit points at level 3.

#### Level 1

SLE136 History of Life

#### Level 2

SLE203 Plant Biology  
SLE204 Animal Diversity  
SLE205 Vertebrate Structure, Function and Evolution  
SLE206 Molecular Cell Biology  
SLE208 Forensic Biology  
SLE220 Wildlife Ecology  
SLE211 Principles of Physiology  
SLE212 Biochemistry  
SLE221 Anatomy and Physiology  
SLE222 Biochemical Metabolism  
SLE237 Biogeography  
SLE254 Genetics

#### Level 3

SLE307 Behavioural Ecology  
SLE309 Wildlife Conservation  
SLE310 Ecology of Pest Plants and Animals  
SLE312 Toxicology  
SLE315 Comparative Animal Physiology  
SLE317 Australian Vegetation and its Management  
SLE321 Molecular Biology Techniques  
SLE322 Landscape Ecology  
SLE324 Microbiology  
SLE331 Cellular Physiology  
SLE334 Medical Microbiology and Immunology  
SLE339 Genetics of Disease  
SLE346 Molecular Basis of Disease  
SLE350 Marine Wildlife  
SLE370 Evolution  
SLE395 Palaeobiology  
SLE397 Sensory Neurobiology and Behaviour

Note: Not all units are available on all campuses. For more information, please refer to [deakin.edu.au/future-students/courses](http://deakin.edu.au/future-students/courses).

**KEY**

- 3** Course duration in years  
**B** Melbourne Burwood Campus  
**F** Geelong Waterfront Campus  
**G** Geelong Waurn Ponds Campus  
**W** Warrnambool Campus  
**X** Off campus

**Chemistry G****Level 1**

SLE131 Principles of Chemistry  
 SLE152 Chemistry of Life

**Level 2**

SLE213 Introduction to Spectroscopic Principles  
 SLE214 Organic Chemistry  
 SLE229 Introduction to Separation Science

**Levels 2 and 3**

Select at least 3 units from:

SLE212 Biochemistry  
 SLE311 Chemical Hazards  
 SLE312 Toxicology  
 SLE316 Analytical Chemistry  
 SLE318 Synthetic and Medicinal Chemistry

Note: You can only choose one of SLE311 or SLE312.

**Environmental science B****Level 1**

SLE102 Physical Geography  
 SLE103 Ecology and the Environment

**Level 2**

SLE202 Landscape Evolution  
 SHD301 Creating Sustainable Futures

Plus one unit from:

SLE231 Hydrology and Water Resources Management  
 SLE237 Biogeography

**Level 3**

Select one unit from:

SLE317 Australian Vegetation and its Management  
 SLE322 Landscape Ecology

**Elective units**

Select two restricted elective units from the following, including least one unit at level 2 and at least one unit at level 3:

**Level 1**

SLE101 Techniques in Environmental Science  
 SLE151 Biodiversity: A Global Perspective

**Level 2**

SLE203 Plant Biology  
 SLE204 Animal Diversity  
 SLE220 Wildlife Ecology  
 SLE231 Hydrology and Water Resources Management  
 SLE237 Biogeography  
 SLE239 Introduction to Geographic Information Systems

**Level 3**

SLE317 Australian Vegetation and its Management  
 SLE322 Landscape Ecology  
 SLE342 Risks to Healthy Environments

**Mathematical modelling B G X****Level 1**

SIT192 Discrete Mathematics  
 SIT194 Introduction to Mathematical Modelling

**Level 2**

SIT281 Cryptography  
 SIT292 Linear Algebra and Applications to Data Communications

Plus one unit from:

SIT291 Mathematical Methods for Information Modelling  
 SIT294 Engineering Mathematics

**Level 3**

SIT392 Public-Key Cryptography  
 SIT396 Complex Analysis  
 SIT399 Advanced Topics in Mathematics

**Zoology G****Level 1**

SLE111 Cells and Genes  
 SLE132 Biology: Form and Function

**Level 2**

SLE204 Animal Diversity  
 SLE205 Vertebrate Structure, Function and Evolution  
 SLE254 Genetics

**Level 3**

SLE315 Comparative Animal Physiology  
 SLE370 Evolution  
 SLE397 Sensory Neurobiology and Behaviour

**GRADUATE SNAPSHOT**

Brendan Holland  
 Bachelor of Science (Honours), 2011  
 Geelong Waurn Ponds Campus

'I chose to study at Deakin because the Geelong Waurn Ponds Campus was exactly what I was after and I also liked the flexible study options.

My course has inspired me to extend my boundaries ... I completed a 13-week placement in industry with pharmaceutical company GlaxoSmithKline, which was a great opportunity to travel outside uni and put my course into practice. Researching the production of opiate alkaloids for pain relief medication has provided me with invaluable first-hand experience of life as a scientist.

I plan to undertake an honours year to further advance myself in the scientific community and apply my skills in the research setting before commencing work within a chemistry or pharmaceuticals-related field.'



# Courses

## Bachelor of Zoology and Animal Science 3 G

Deakin code	VTAC code	Indicative first year fee	ATAR
S369	15481 (CSP)	\$4520 (CSP) <sup>1</sup>	70.90
<b>Year 12 prerequisites</b>	VCE units 3 and 4 – a study score of at least 25 in English (ESL) or 20 in any other English.		
<b>Non-Year 12 requirements</b>	VTAC Pi form.		

Deakin's Bachelor of Zoology and Animal Science provides a broad understanding of the current field of zoology and is suitable for students with an interest in the biology of animals.

You will learn about the diversity, ecology, behaviour, physiology, genetics and evolutionary biology of animals, complemented by a number of practical and field-based learning experiences. The course also examines potential effects that environmental change may have on the evolution, genetics, disease and physiology of animals. The course has a strong focus on Australian fauna and its unique importance in the global environment and is underpinned by the latest research in zoology.

An honours year is available for high-achieving students upon completion of this degree.

### Career opportunities

Graduates may find employment opportunities in a range of areas including government environmental monitoring, private and environmental consulting, museums, school and university education, primary industries, quarantine and wildlife biology. Successful completion of the course may also lead to opportunities for further study including postgraduate research training both in Australia and overseas. The course may also be a potential gateway to veterinary science courses (subject to specific entry requirements).

### Work-Integrated Learning

You will have the opportunity to complete a professional practice unit which involves a placement for a minimum of two weeks within a relevant, course-related organisation.

### Course structure

You must complete 24 credit points of study, including 16 credit points of core units and 8 credit points of elective units.

#### Level 1

SEP122 Physics for the Life Sciences  
 SLE010 Laboratory and Fieldwork Safety Induction Program  
 (0 credit point safety unit)  
 SLE102 Physical Geography  
 SLE103 Ecology and the Environment  
 SLE111 Cells and Genes  
 SLE131 Principles of Chemistry  
 SLE132 Biology: Form and Function  
*plus two elective units*

#### Level 2

SLE204 Animal Diversity  
 SLE205 Vertebrate Structure, Function and Evolution  
 SLE251 Research Methods and Data Analysis  
 SLE254 Genetics  
 SLE255 Marine Biology  
*plus three elective units*

#### Level 3

SLE354 Disease Ecology and Epidemiology<sup>^</sup>  
 SLE355 Evolutionary and Ecological Physiology<sup>^</sup>  
 SLE370 Evolution  
 SLE371 Human and Animal Navigation<sup>^</sup>  
 SLE397 Sensory Neurobiology and Behaviour  
*plus three elective units*

<sup>^</sup> Available from 2014.

## Science and Technology (Dean's Scholars Program)

Deakin code	VTAC code	Indicative first year fee	ATAR
Refer to specific course entry	<span>B</span> 14381 (CSP) <span>G</span> 15091 (CSP)	Refer to specific course entry	<span>B</span> 90.00* <span>G</span> 90.00*
<b>Year 12 prerequisites</b>	Applicants must refer to the prerequisites for their specific science course preference. Minimum ATAR of 90.00.		

The Dean's Scholars Program aims to recognise, reward and nurture high-achieving students. A minimum ATAR of 90.00 is required for entry into this course. Scholarships will be awarded annually across the Faculty to Year 12 students admitted to the program through VTAC. Successful applicants will also be offered a professional development program and have a high chance of being selected for the Science and Technology Industry-Based Learning Program.

\* Minimum ATAR, interviews are also taken into consideration.

### Course structure

You are able to select any one of the undergraduate degrees offered by the Faculty of Science and Technology through this single, campus-based VTAC preference. Refer to specific course entries from the list of science courses. Refer also to the campus of offer for each course within the specific course entries.

### DID YOU KNOW?

Many Deakin courses provide the opportunity for students to gain discipline-specific work experience through our Work-Integrated Learning programs. These are highly sought-after by employers and students alike, as they play a critical role in the development of employability skills and the job readiness of graduates.

**KEY**

- 3** Course duration in years  
**B** Melbourne Burwood Campus  
**F** Geelong Waterfront Campus  
**G** Geelong Waurn Ponds Campus  
**W** Warrnambool Campus  
**X** Off campus

## Associate Degree of Arts, Business and Sciences<sup>^</sup>

**2** **G** **W**

Deakin code	VTAC code	Indicative first year fee	ATAR
A200	<b>G</b> 15581 (CSP) <b>W</b> 18221 (CSP)	\$5920 (CSP) <sup>1</sup>	<b>G</b> R/C <b>W</b> R/C
Year 12 prerequisites	VTAC Pi form and an interview. There are no prerequisite studies for this course.		
Non-Year 12 requirements	VTAC Pi form and an interview (phone 03 5563 3601).		

The Associate Degree of Arts, Business and Sciences will help you develop skills in research, written communication, group presentations, critical thinking and learning technologies which increase your chances of success at university. The key advantage of the associate degree is that it provides a supported transition to tertiary study. It allows for entry into a range of target degrees (as approved by Deakin University) offered at the Warrnambool Campus, Geelong Waterfront Campus and Geelong Waurn Ponds Campus, or via off-campus study (through our TAFE partner institutions). Completion of the associate degree will give you 18 months credit towards one of these target degrees.

### Career opportunities

The associate degree can open doors to employment in a range of fields including administration, marketing, business, management, banking, finance, community work, health, natural resource management and science. You also have the option of continuing your studies to complete a bachelors degree which will provide access to a wide range of careers and employment opportunities.

### Course structure

To graduate from the Associate Degree of Arts, Business and Sciences, you must complete a minimum of 16 credit points, comprising core units and elective units. If you are studying through a partner TAFE these credit points can also include credits gained through subjects studied as part of your TAFE diploma course.

The core units will focus on the knowledge and skills you need to be a successful university student. They will provide you with an introduction to studying at university from the perspective of three different disciplines or subjects, and ensure that you become a more self-directed learner. They will also provide support for your study in other subject areas, particularly through the development of academic writing, critical thinking and information technology skills.

In addition to the core units, you will select four electives in your first year and eight in your second year, from units offered by the Faculties of Arts and Education, Business and Law, Science and Technology, and Health. Major sequences in arts, business, education, health and science are available.

You will be guided with your subject selection to ensure you choose units that will provide the maximum credit when using the associate degree as a pathway to a bachelors degree or to optimise employment opportunities.

If you study this course through the Warrnambool Campus or Geelong Waurn Ponds Campus you will also have the option to complete a mentored work placement in your final trimester. This is a great way to gain real-life work experience and enhance your employment opportunities.

### Core units – for the course offered at the Warrnambool and Geelong Waurn Ponds Campuses

#### Level 1

EAD101 Learning for a Knowledge Society  
 EAD102 E-Literacy for Contemporary Learning  
 EAD104 Work and the Sustainable Society (2 credit points)  
*plus four elective units from the list below*

#### Level 2

Select eight first or second year level units of a target bachelors degree.

### Elective units

You may choose from a range of units offered at first and second level from the Warrnambool Campus, Geelong Waurn Ponds Campus (or off campus) as listed below, or the Work Placement unit which is recommended for those intending to finish at the end of level 2.

ACV101 Studio Art: Painting A  
 ACV102 Studio Art: Painting B  
 AIA104 Australian Identities: Indigenous and Multicultural  
 AIA105 Visions of Australians – Time and Space From 1700 to 2010  
 ALC101 Contemporary Communication: Making Sense of Text, Image and Meaning  
 ALC102 Contemporary Communication: Making Sense of New Media  
 ALW117 Writing for Professional Practice  
 ASC101 Introduction to Sociology A  
 ASC102 Introduction to Sociology B  
 EAD103 Independent Study (recommended)  
 EAD105 Applied Community Project (recommended)  
 HBS107 Understanding Health  
 HBS108 Health Information and Data  
 HBS110 Health Behaviour  
 MAA103 Accounting for Decision Making  
 MAE102 The Global Economy  
 MMM132 Management  
 MSC120 Business Information Systems  
 SIT106 Fundamental Concepts of Mathematics  
 SLE102 The Physical Environment  
 SLE103 Ecology and the Environment

### Work placement unit

EAD201 Work Placement (2 credit points)

<sup>^</sup> As part of the Deakin at Your Doorstep Initiative, this course is offered at the Warrnambool Campus or Geelong Waurn Ponds Campus. The University also offers the course through its TAFE partners at their campuses in Bairnsdale, Dandenong, Mornington Peninsula, Portland, Swan Hill and Wangaratta.



# Courses

## Combined courses

### Bachelor of Arts/Bachelor of Science 4 B G

Deakin code	VTAC code	Indicative first year fee	ATAR
D311	<span>B</span> 14391 (CSP) <span>G</span> 15591 (CSP)	\$5210 (CSP) <sup>1</sup>	<span>B</span> 68.10 <span>G</span> 62.40
Year 12 prerequisites	VCE units 3 and 4 – a study score of at least 30 in English (ESL) or 25 in any other English.		
Non-Year 12 requirements	VTAC Pi form.		

This combined course enables you to pursue studies in a variety of contemporary themes such as the body, the environment, science policy and practice, and others. You may combine major sequences such as public relations/chemistry, philosophy/mathematics, sociology/biology or environmental science/journalism.

#### Career opportunities

This combined course offers you the chance to broaden your career opportunities after graduation. The types of opportunities available will depend on the major sequences taken within the course. This course allows you to explore the relationships between various areas of study, combining them in innovative ways to prepare yourself for a career in areas like sports psychology, policy development and implementation, to human services, and in the various science fields.

#### Work-Integrated Learning

As part of the Bachelor of Science component of this course you are required to complete Professional Practice. This will allow you to gain valuable work experience, giving you the opportunity to apply and consolidate knowledge gained in your course, experience workplace culture and workplace practices, explore career options and develop a professional network.

#### Course structure

You must complete 32 credit points of study – 16 credit points from the Bachelor of Arts and 16 credit points from the Bachelor of Science, including a major sequence from each degree.

#### Bachelor of Science major sequences and units

Refer to the Bachelor of Science (S320) course entry on page 12 for details of major sequences and units available.

#### Bachelor of Arts major sequences

- » Animation B
- » Anthropology G X
- » Arabic B
- » Australian studies B G X
- » Chinese B
- » Criminology G X
- » Dance B
- » Drama B
- » Film studies B
- » History B G X
- » Indonesian B G X
- » International relations B G X
- » Journalism B G X
- » Language and culture studies B G \*\* X \*\*
- » Literary studies B G X
- » Media and communication B G X
- » Middle East studies B G X
- » Philosophy B G X
- » Photography B
- » Politics and policy studies B G X
- » Public relations G X
- » Social and political thought B G X
- » Sociology B G X
- » Visual arts B

<sup>\*\*</sup> A full major in Arabic or Chinese is not available at nominated campus.

For more information on these major sequences, please refer to the *2013 Undergraduate Arts, Humanities and Social Sciences Career Booklet*.

### Bachelor of Commerce/Bachelor of Science 4 B G/F

Deakin code	VTAC code	Indicative first year fee	ATAR
D321	<span>B</span> 14741 (CSP) <span>G/F</span> 15691 (CSP)	\$6470 (CSP) <sup>1</sup>	<span>B</span> 80.05 <span>G/F</span> 77.50
Year 12 prerequisites	VCE units 3 and 4 – a study score of at least 25 in English (ESL) or 20 in any other English.		
Non-Year 12 requirements	VTAC Pi form.		

Deakin's combined course in commerce and science enables you to combine disciplines for a unique qualification. You may combine commerce studies in areas such as accounting, economics, management, business information systems or marketing with a relevant science stream, for example biology, biological chemistry, chemistry, environmental science, mathematical modelling or zoology.

#### Professional recognition

The Bachelor of Commerce component of this course can lead to accreditation with many professional bodies, such as the Certified Practising Accountant (CPA) Program of CPA Australia, entry into the CA program of the Institute of Chartered Accountants in Australia (ICAA), the Association of Chartered Certified Accountants (ACCA), the Institute of Public Accountants Professional Accounting Program, the Australian Computer Society (ACS), the Economics Society of Australia and the Australian Marketing Institute, providing you meet the specified requirements within the course.

#### Career opportunities

A combined course offers you the chance to broaden your career opportunities after graduation. The types of opportunities available will depend on the major sequences you take within the course. For information on career outcomes for the Bachelor of Science, please see page 12.

A Bachelor of Commerce degree can open doors to careers in virtually every area of business and government internationally, including professional accountant, IT and systems professional, economist, financial planner, business consultant, network manager, internet administrator, human resources manager, manager, social and economic policy developer, international trade officer or marketing assistant/manager.

#### Work-Integrated Learning

As part of the Bachelor of Science component of the course, you are required to complete Professional Practice. This will allow you to gain valuable work experience, giving you the opportunity to apply and consolidate knowledge gained in your course, experience workplace culture and workplace practices, explore career options and develop a professional network. You may also have the opportunity to undertake Industry-Based Learning, which can be credited towards your degree.

#### Course structure

You must complete 32 credit points of study – 16 credit points from the Bachelor of Commerce and 16 credit points from the Bachelor of Science, including a major sequence from each degree.

#### Bachelor of Science major sequences and units

Refer to the Bachelor of Science (S320) course entry on page 12 for details of major sequences and units available.

**DID YOU KNOW?**

Industry representatives sit on our advisory boards to help ensure our courses remain relevant and produce graduates who are job-ready.



# KEY

- 3** Course duration in years
- B** Melbourne Burwood Campus
- F** Geelong Waterfront Campus
- G** Geelong Waurn Ponds Campus
- W** Warrnambool Campus
- X** Off campus

## Bachelor of Commerce units

### Core units

#### Level 1

MAA103 Accounting for Decision Making  
MAE101 Economic Principles  
MAE102 The Global Economy  
MAF101 Fundamentals of Finance  
MLC101 Business Law  
MMM132 Management  
MSC120 Business Information Systems  
MSQ171 Business Data Analysis

#### Level 2

MMH299 Business Communication  
MMK277 Marketing Management

### Elective units

MME101 Business Academic Skills  
MMI301 Business Internship 1  
MMI302 Business Internship 2  
MMM233 Business and the Environment  
MMM241 Foundations of Entrepreneurship  
MMM385 Business in Asia  
MMP111 Introduction to Property  
MMS308 Sport Marketing  
MSC201 Professional Practice  
SHD201 Creating Sustainable Futures  
SHD301 Creating Sustainable Futures

## Bachelor of Commerce major sequences

- » Accounting **B F X**
- » Accounting information systems **B F X**
- » Business information systems **B F X**
- » Business security management **B F X**
- » Commercial law **B F X**
- » eBusiness **B F X**
- » Economics **B F X**
- » Finance **B F X**
- » Financial planning **B F X**
- » Health informatics **B F X**
- » Human resource management **B F X**
- » Interactive marketing **B F X**
- » International business **B**
- » International management **B F X**
- » International trade and economic policy **B F X**
- » Management **B F X**
- » Marketing **B F X**
- » Professional practice **B F X**
- » Quantitative business analysis **B F X**
- » Supply chain management **B F X**
- » Technology management **G/F X**

^ You will be required to undertake one unit in off-campus or online mode.

For more information on these major sequences, please refer to the 2013 Undergraduate Business Career Booklet.

## DID YOU KNOW?

At Deakin we offer a number of combined courses that enable you to obtain two highly-regarded professional qualifications in a shorter timeframe than it would take to complete the courses separately – thereby saving time and money and broadening your skills.

## Bachelor of Engineering/Bachelor of Science **5.5 G**

Deakin code	VTAC code	Indicative first year fee	ATAR
D372	15321 (CSP)	\$6690 (CSP) <sup>1</sup>	69.80
Year 12 prerequisites	VCE units 3 and 4 – a study score of at least 25 in English (ESL) or 20 in any other English and a study score of at least 20 in mathematical methods (CAS) or specialist mathematics.		
Non-Year 12 requirements	VTAC Pi form and demonstrated mathematical background equivalent to Year 12 level.		

This combined course will strengthen your engineering degree with complementary studies in science. You may combine one of the engineering major sequences – civil, electrical and electronics, mechanical or mechatronics and robotics engineering – with a science stream, for example, biology, biological chemistry, chemistry, mathematical modelling or zoology. Only the mathematical modelling major sequence is available off campus.

### Professional recognition

Deakin's Bachelor of Engineering is accredited by Engineers Australia, which gives the degree international recognition, allowing graduates to practise as professional engineers in many countries around the world.

### Work-Integrated Learning

As part of the Bachelor of Engineering component of this course you must obtain an aggregate of at least 12 weeks of suitable practical experience during your program. Practical experience is normally undertaken during the vacation periods.

As part of the Bachelor of Science component of this course you are required to complete Professional Practice. This will allow you to gain valuable work experience, giving you the opportunity to apply and consolidate knowledge gained in your course, experience workplace culture and workplace practices, explore career options and develop a professional network. You may also have the opportunity to undertake Industry-Based Learning, which can be credited towards your degree.

### Career opportunities

The Bachelor of Engineering/Bachelor of Science offers you the chance to broaden your career opportunities after graduation. The opportunities available will depend on the major sequences you take within your course.

For information on career outcomes for the Bachelor of Science, please see page 12.

Deakin's Bachelor of Engineering is designed to maximise your employment prospects, making you an industry-ready engineer, who is immediately employable, and capable of adapting to an ever changing future.

Depending on your chosen specialisation, career opportunities can be found in civil, electrical and electronics, mechanical or mechatronics and robotics engineering.

For more information on career outcomes for the Bachelor of Engineering please refer to the 2013 Undergraduate Engineering Career Booklet.

### Course structure

You must complete 44 credit points of study, which must include specified engineering and science core units and a major sequence from each degree.

### Bachelor of Science major sequences and units

Refer to the Bachelor of Science (5320) course entry on page 12 for details of major sequences and units available.

### Bachelor of Engineering major sequences

- » Civil **G X**
- » Electrical and electronics **G X**
- » Mechanical **G X**
- » Mechatronics and robotics **G X**

For more information on these major sequences, please refer to the 2013 Undergraduate Engineering Career Booklet.

# Courses

## Bachelor of Forensic Science/ Bachelor of Criminology

Deakin code	VTAC code	Indicative first year fee	ATAR
D329	15561 (CSP)	\$4900 (CSP) <sup>1</sup>	72.40
Year 12 prerequisites	VCE units 3 and 4 – a study score of at least 30 in English (ESL) or 25 in any other English and a study score of at least 20 in mathematics (any).		
Non-Year 12 requirements	VTAC Pi form.		

Deakin's Bachelor of Forensic Science/Bachelor of Criminology gives you the opportunity to study forensic science and criminology as a combined course. It has been designed to enable graduates to work both in specialised fields and across professional boundaries. It is contemporary and relevant, with teaching staff who are active researchers in their respective fields.

You will learn the skills and techniques essential to modern forensic science, including the examination and presentation of scientific evidence. The course will also give you practical, professional training to enable you to study critical analysis in the fields of policing, security, corrections, crime prevention and community safety, and various paralegal fields.

### Career opportunities

As a graduate of this course, you may find employment opportunities as a forensic scientist, criminologist or related role, in both the public and private sector, including areas such as the forensic science industry, science-based industries, teaching, government agencies, state and federal police, ASIO, correctional services, community services, and private security industries.

### Work-Integrated Learning

Deakin's Bachelor of Forensic Science offers the opportunity to undertake an Industry-Based Learning (IBL) placement or internship.

The Bachelor of Criminology component of this course includes an elective work placement/internship program, which gives you invaluable experience working with the local community.

### Course structure

You must complete 32 credit points of study – 16 credit points of units from the Bachelor of Criminology and 16 credit points of units from the Bachelor of Forensic Science including a major sequence in forensic biology or forensic chemistry.

### Bachelor of Forensic Science units

#### Core units

##### Level 1

SIT191 Introduction to Statistics  
SLE010 Laboratory and Fieldwork Safety Induction Program (0 credit point safety unit)  
SLE111 Cells and Genes  
SLE131 Principles of Chemistry  
SLE132 Biology: Form and Function  
SLE152 Chemistry of Life

##### Level 2

SLE208 Forensic Biology  
SLE212 Biochemistry  
SLE213 Introduction to Spectroscopic Principles

##### Level 3

SLE313 Forensic Analysis and Interpretation

### Major sequences

#### Forensic biology

##### Level 1

SLE111 Cells and Genes\*  
SLE132 Biology: Form and Function\*

##### Level 2

SLE211 Principles of Physiology  
SLE212 Biochemistry\*  
SLE221 Anatomy and Physiology  
SLE254 Genetics

##### Level 3

SLE313 Forensic Analysis and Interpretation\*  
SLE321 Molecular Biology Techniques

\* Core units in the degree.

#### Forensic chemistry

##### Level 1

SLE131 Principles of Chemistry\*  
SLE152 Chemistry of Life\*

##### Level 2

SLE212 Biochemistry  
SLE213 Introduction to Spectroscopic Principles\*  
SLE214 Organic Chemistry  
SLE229 Introduction to Separation Science

##### Level 3

SLE316 Analytical Chemistry  
SLE318 Synthetic and Medicinal Chemistry

\* Core units in the degree.

### Bachelor of Criminology units

#### Core units

##### Level 1

ASL111 Understanding Criminal Justice  
ASL113 Understanding Crime  
MLP103 Police and the Law  
SLE112 Fundamentals of Forensic Science

##### Levels 2 and 3

ASL204/ASL304 Issues and Ethics in the Criminal Justice System  
ASL208/ASL308 Terrorism, Transnational Crime and Security  
ASL209 Criminology  
ASL214 Designing and Conducting Criminological Research  
ASL221/ASL321 Crime Prevention and Security  
MLP301 Sentencing Law and Practice

#### Elective units

ASC270/ASC370 Sociology and the Law  
ASC304 Culture and Control: Boundaries and Identities  
ASC320 Sex, Crime and Justice in An Electronic Age  
ASL219/ASL319 Drugs, Crime and Society  
ASL222/ASL322 International and Comparative Criminal Justice  
ASL311 Criminology Internship  
ASS229 Anthropology of Crime and Violence  
HPS206 Psychology in the Criminal Justice System  
MLP233 Criminal Law and Procedure  
MLP302 Electronic Crime

**DID YOU  
KNOW?**

Experience has shown that employers prefer graduates who have studied combined courses. These graduates are highly regarded for their breadth of knowledge and their unique perspective of the business environment.

**KEY**

- 3** Course duration in years  
**B** Melbourne Burwood Campus  
**F** Geelong Waterfront Campus  
**G** Geelong Waurn Ponds Campus  
**W** Warrnambool Campus  
**X** Off campus

## Bachelor of Science/Bachelor of Laws **5 B G/F**

Deakin code	VTAC code	Indicative first year fee	ATAR
D331	<b>B</b> 14001 (CSP) <b>G/F</b> 15501 (CSP)	\$7270 (CSP) <sup>1</sup>	<b>B</b> 92.25 <b>G/F</b> 82.90
Year 12 prerequisites	VCE units 3 and 4 – a study score of at least 35 in English (ESL) or 30 in any other English.		
Non-Year 12 requirements	DULSAT/ALSET. You are exempt from sitting the DULSAT/ALSET if you: <ul style="list-style-type: none"> <li>» are a current Year 12 student; or</li> <li>» have completed Year 12 studies in 2009, 2010 or 2011 and have not undertaken any tertiary studies (including TAFE studies, diploma or above) in the interim; or</li> <li>» sat the DULSAT/ALSET in 2009, 2010 or 2011 and intend to use the result from that year; or</li> <li>» are currently enrolled or were enrolled in a Bachelor of Laws in 2010, 2011 or 2012 and have completed the equivalent of one full-time year at an Australian university (including at least two (LLB) law units), Bachelor of Laws/combined course or the Juris Doctor (no other law course is eligible under this exemption clause); or</li> <li>» have successfully completed an Australian postgraduate qualification in law in the last 10 years (three out of four units must be law units).</li> </ul>		

Combining another degree with a Bachelor of Laws is an excellent way to enhance understanding of the context in which the law operates. In the Bachelor of Science/Bachelor of Laws combined course, you can combine studies in law with studies in science, such as biological chemistry, biology, chemistry, environmental science, mathematical modelling or zoology.

This combined course enables you to undertake legal studies which satisfy the University component of the requirements for admission to practise law in Victoria, as well as studies in other specialist areas.

### Professional recognition

Deakin's law studies satisfy the academic requirements for admission to practise law in Victoria.

### Career opportunities

A law degree, especially when combined with another degree such as science, is a qualification that offers unequalled career opportunities. As an alternative to practising as a barrister or solicitor, you may choose to pursue a career in a wide range of organisations, government services, industrial relations, research, public administration, diplomatic service, the media, legal aid, law reform or teaching either in schools or universities. There is also an increasing need for lawyers who understand science, and scientists who understand the law, to work in specialist roles and to deal with complex, often intertwined scientific and legal issues.

### Work-Integrated Learning

Please refer to the Bachelor of Science (S320) course entry on page 12 for Work-Integrated Learning for the Bachelor of Science component of this course. To satisfy the law component of this course, and be eligible to graduate, you are required to complete the prescribed professional experience and four Practical Legal Skills units.

### Professional experience

The practical experience requirements will provide you with an opportunity to enrich your legal education and theoretical knowledge and assist in preparing you for employment in the industry. Your degree is enhanced by the requirement to complete 30 days work placement in a legal environment to gain experience on how the law operates in practice, and to develop professional networks.

### Practical Legal Skills

The Practical Legal Skills (PLS) program is unique to Deakin and designed to give you experience in a variety of different dispute resolution methods. The PLS program is a valuable way of developing research and critical thinking skills and the ability to present arguments orally and in writing. Moot, Mediation, Arbitration and Witness Examination are all an embedded part of the program which gives you the opportunity to develop presentation skills and experience presenting in the court room.

### Law Clinic

As part of this course, Deakin also offers Law Clinic, a clinical skills unit which involves you working at a community legal centre under the supervision of a legal practitioner. This unit not only gives you credit towards your degree, it also enhances your overall learning experience, providing you with a unique insight into the community legal centre environment.

### Course structure

You must complete 40 credit points of study – 24 credit points from the Bachelor of Laws and 16 credit points from the Bachelor of Science, including at least one major sequence.

Within the 24 credit points required in the Bachelor of Laws, 20 credit points are compulsory and 4 credit points are taken as elective law units. In addition, you will be required to complete the prescribed Practical Legal Skills program and professional experience.

### Bachelor of Science major sequences and units

Refer to the Bachelor of Science (S320) course entry on page 12 for details of major sequences and units available.

### Bachelor of Laws units

#### Core units

##### Level 1

MLL110 Legal Principles and Skills  
 MLL111 Contract

##### Level 2

MLL213 Torts  
 MLL214 Criminal Law  
 MLL215 Commercial Law  
 MLL217 Misleading Conduct and Economic Torts  
 MLL218 Criminal Procedure  
 MLL221 Corporate Law

##### Level 3

MLL323 Constitutional Law  
 MLL324 Administrative Law  
 MLL325 Land Law  
 MLL327 Property  
 MLL334 Evidence  
 MLL335 Legal Practice and Ethics  
 MLL342 Workplace Law  
 MLL391 Civil Procedure and Alternative Dispute Resolution

##### Level 4

MLL405 Equity and Trusts  
 MLL406 Taxation  
 MLL409 Competition Law and Policy  
 MLL410 Intellectual Property

### Core Practical Legal Skills units

MLL010 Moot  
 MLL020 Mediation  
 MLL030 Arbitration  
 MLL040 Witness Examination

### Elective units

Select 4 to 8 credit points of elective law units from the following:

#### Level 3

MLL301 International Litigation and Dispute Settlement – Jessup Moot  
 MLL302 Human Rights Law  
 MLL303 Legal Theory: Globalisation and the Rule of Law  
 MLL314 Introduction to Negotiation and Mediation  
 MLL315 Personal Injuries Compensation Schemes  
 MLL326 Restitution  
 MLL336 International Commercial Law  
 MLL344 Chinese Commercial Law  
 MLL351 Law Clinic  
 MLL355 International Litigation and Dispute Settlement  
 MLL370 Law and the Internet  
 MLL375 Environmental Law  
 MLL377 International Law  
 MLL378 Banking Law and Securities  
 MLL382 Indian Law  
 MLL388 International Financial Crime  
 MLL390 Succession Law  
 MLL393 Health and Biotechnology Law

#### Level 4

MLL408 Family Law  
 MLL495 Migration and Refugee Law

Law electives are offered on a rotational basis. Not every unit is offered every year.

# Courses

## Bachelor of Teaching (Science)/ Bachelor of Science 4 B

Deakin code	VTAC code	Indicative first year fee	ATAR
D351	14621 (CSP)	\$4810 (CSP) <sup>1</sup>	60.30
<b>Year 12 prerequisites</b>	VCE units 1 and 2 – two units (any study combination) of general mathematics or mathematical methods CAS. VCE units 3 and 4 – a study score of at least 30 in English (ESL) or 25 in any other English and a study score of at least 20 in any one of mathematics (any), biology, chemistry, environmental studies.		
<b>Non-Year 12 requirements</b>	VTAC Pi form and GPA. STAT Multiple Choice test may be required.		

The Bachelor of Teaching (Science)/Bachelor of Science is designed to introduce you to contemporary science and its applications, and innovative teaching and learning situations, so that you will be able to introduce and sustain innovative practices in school science that engage students and support quality learning.

The course includes a professional practice sequence designed to introduce a broader and more contemporary view of science.

### Professional recognition

Successful completion of this course will meet the registration requirements of the Victorian Institute of Teaching, and other state teacher registration boards in Australia.

### Career opportunities

Graduates from this program have found careers in Australian and overseas secondary schools, government departments, universities, the public service, TAFE and adult community educational institutions, health and welfare organisations as well as in private academies and agencies.

Graduates will also have opportunities to work in science-related industries such as science writing and interpretation, government departments, teaching, university research, and in public sector positions such as conservation groups and other research positions in a variety of organisations.

### Work-Integrated Learning

You will undertake 80 days of supervised work placement organised by the Professional Experience Office as part of your completion of the course. Some of this experience will take place in non-school settings, consistent with current directions advocated by the Victorian Institute of Teaching.

As part of the Bachelor of Science component of the course you are required to complete Professional Practice. This will allow you to gain valuable work experience, giving you the opportunity to apply and consolidate knowledge gained in your course, experience workplace culture and workplace practices, explore career options and develop a professional network.

### Work placement requirements

The Working with Children Act 2005 (Vic.) requires a person who engages in child-related work, as defined in the Act, to obtain an assessment notice under the Act, known as a Working with Children Check (WWCC). The Act is administered by the Department of Justice: justice.vic.gov.au. School experience placements in schools in the course of a university degree are 'child-related work'. Under the Working with Children Act 2005 (Vic.), administered by the Department of Justice, a student teacher must obtain a WWCC before commencing school experience placements in a school. Should a student fail to obtain a WWCC, practical training in a school will not be provided, resulting in the student's inability to complete the degree.

For the latest information about new courses at Deakin University, please visit [deakin.edu.au](http://deakin.edu.au).

#### KEY

- 3 Course duration in years
- B Melbourne Burwood Campus
- F Geelong Waterfront Campus
- G Geelong Warrn Ponds Campus
- W Warrnambool Campus
- X Off campus

### Course structure

You must complete 32 credit points of study – 16 credit points from the Bachelor of Teaching (Science) and 16 credit points from the Bachelor of Science, including at least one major sequence and one minor sequence.

#### Level 1

EPP101 Teacher–Learner Identity  
EPP102 Learning–Teaching Communities  
SEP122 Physics for the Life Sciences  
SLE010 Laboratory and Fieldwork Safety Induction Program  
(0 credit point safety unit)  
SLE111 Cells and Genes  
SLE131 Principles of Chemistry  
*plus two science major units and one science minor unit*

#### Level 2

EES200 Communicating Science  
EPP207 Pedagogy  
SLE103 Ecology and the Environment  
SLE352 Community Science Project

*Plus one unit from:*

SIT191 Introduction to Statistics  
SIT194 Introduction to Mathematical Modelling  
SLE251 Research Methods and Data Analysis  
*plus two science major units and one science minor unit*

#### Level 3

EPP304 Ways of Knowing Children and Adolescents  
EPP305 Policy, Schooling and Society  
*Secondary curriculum study 1A and 2A*  
*plus three science major units and one science minor unit*

#### Level 4

EEH530 Promoting Student Wellbeing  
EPP406 Professional Identity and Curriculum Work  
ESS415 Resources in the Contemporary Science Curriculum  
ESS439 Issues in Science and Environmental Education  
EXC425 Literacy and Numeracy Across the Curriculum  
EXC440 Teaching for Diversity  
*Secondary curriculum study 1B and 2B*

### Professional experience units

Professional experience units are academic units which incorporate practicum. The number of practicum days required for each unit is indicated below.

#### Level 1

EPP101 Teacher–Learner Identity (4 days)  
EPP102 Learning–Teaching Communities (6 days)

#### Level 2

EPP207 Pedagogy (10 days)

#### Level 3

EPP304 Ways of Knowing Children and Adolescents (15 days)  
EPP305 Policy, Schooling and Society (10 days)

#### Level 4

EPP406 Professional Identity and Curriculum Work (35 days)

### Major/minor sequences

- » Biological chemistry B
- » Biology B
- » Environmental science B
- » Mathematical modelling B X

<sup>1</sup> The indicative first year fee is an approximate indication of the cost of this course in the first year of full-time study for a Commonwealth Supported Place. We can't specify the exact figure, because fees are charged per unit, not per course, so the actual fees may vary depending on what units you choose to study.

The fees quoted in this booklet are for Australian students in 2012, and may change for 2013 and later years. You can find more information about fees on our website at [deakin.edu.au](http://deakin.edu.au). For information on fees for international students, please visit [deakin.edu.au/international](http://deakin.edu.au/international).

**KEY**

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# How to apply

Applying to study at Deakin University is easy. Whether you are a current Year 12 student, TAFE graduate, mature-age student, non-school leaver, or international student studying VCE in Australia, you can apply to study a Deakin undergraduate course through the **Victorian Tertiary Admissions Centre (VTAC)** (unless stated otherwise in the admission guidelines).

When you are applying for a course, make sure you check all of the entry requirements carefully. Most courses have prerequisites and some have additional requirements that you will need to complete to be eligible for selection into that course. For prerequisite and extra requirement information, please visit the VTAC website [www.vtac.edu.au](http://www.vtac.edu.au).

For more information on how to apply, including special consideration and deferment, check out our *Undergraduate eBrochure* at [deakin.edu.au/ebrochure/undergrad](http://deakin.edu.au/ebrochure/undergrad) or visit [deakin.edu.au/future-students/applications-enrolments](http://deakin.edu.au/future-students/applications-enrolments).

## DID YOU KNOW?

Deakin's teaching and research staff are experts in their respective fields, with broad international links and connections with industry.

### Janine McBurnie awarded

Senior lecturer in Deakin's School of Life and Environmental Sciences, Janine McBurnie, was awarded a Citation for Outstanding Contribution to Student Learning in the 2011 ALTC Australian Awards for University Teaching.

Ms McBurnie was awarded the citation for her development of innovative programs that guide undergraduate students through university and support and clarify the development of professional identity.

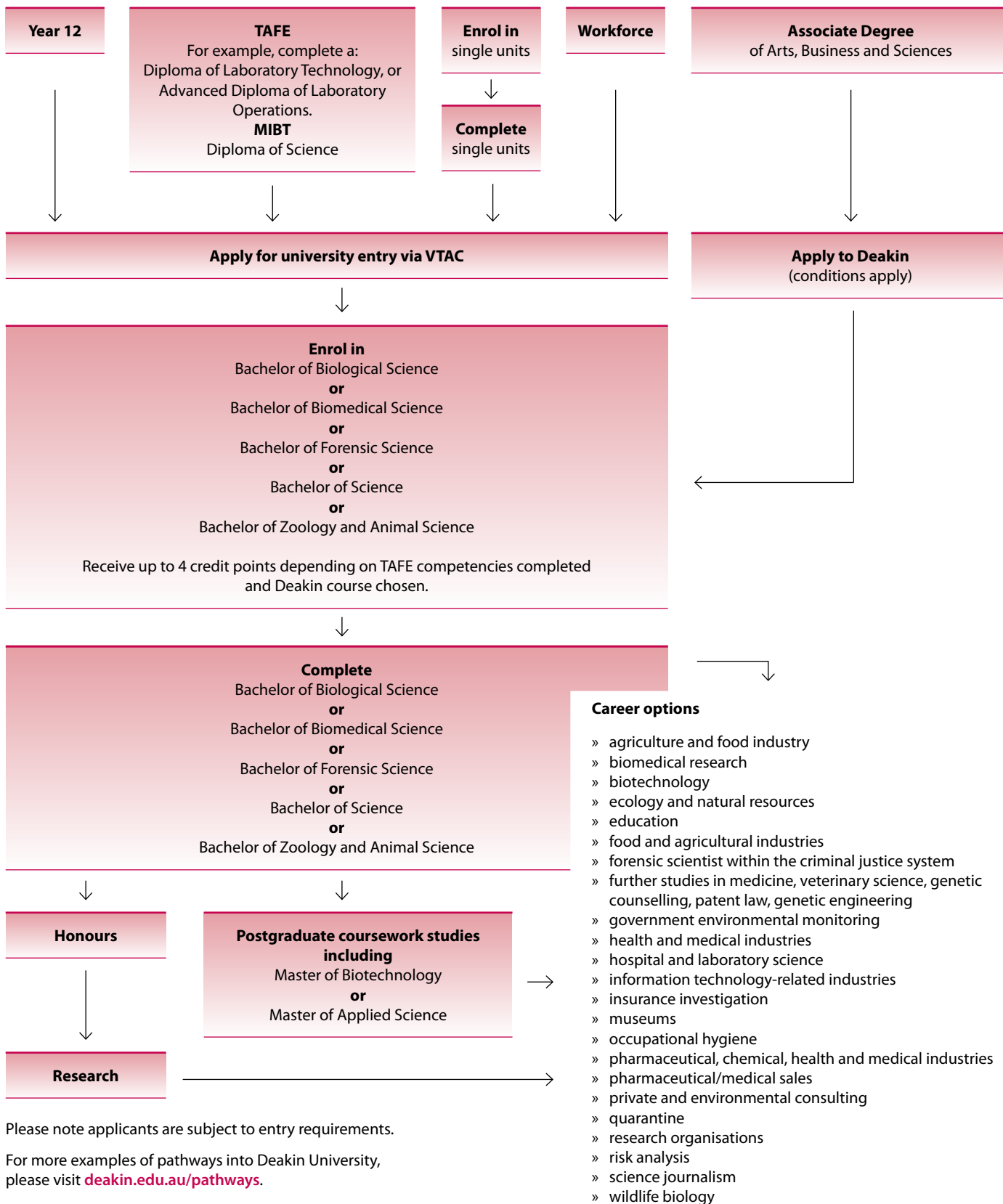
Drawing on 15 years' experience teaching first-year classes, Ms McBurnie has built upon the strong pedagogical foundation of transition into first year to initiate a program at Deakin that guides students through university and inspires them to move into rewarding careers. She also convenes a ground-breaking, cross-Faculty unit that engages students with their futures through environmental sustainability issues.





# Pathways

Pathway programs provide alternative entry options which take into consideration previous qualifications or your time in the workforce. Deakin has pathway options for a range of applicants including current Year 12 students, International Baccalaureate (IB) students and non-school leavers. Examples for science students include:





### TAFE pathways

If you complete a diploma or advanced diploma at TAFE in a field similar to the Deakin course of your choice, you can then apply for the Deakin course and you may receive credit for your TAFE qualification. In most cases, this will reduce the number of units you need to complete to obtain your Deakin qualification. Plus, upon graduation, you'll have not one, but two qualifications.

Deakin has pathway programs and special credit arrangements with its partner TAFEs (Box Hill Institute in Melbourne, South West TAFE in Warrnambool and The Gordon in Geelong) however all TAFE qualifications are considered for application to Deakin.

The assessment of credit is based on a number of factors and is determined on an individual basis. To find out what credit you are entitled to, please visit [deakin.edu.au/courses/credit](http://deakin.edu.au/courses/credit).

### Melbourne Institute of Business and Technology (MIBT)

Deakin University and the Melbourne Institute of Business and Technology (MIBT) have been in partnership for more than 14 years. MIBT can provide an excellent pathway to Deakin for students who do not meet the admission requirements for Deakin University courses. MIBT is located at Deakin's Melbourne Burwood Campus and Geelong Waurin Ponds Campus, allowing you the opportunity to gain access to Deakin's facilities and services and get involved in uni life.

MIBT may provide a direct pathway to second-year study at Deakin (conditions apply). MIBT diplomas are equivalent to the first year of a Deakin University undergraduate degree. On successful completion of a diploma and meeting University academic entrance criteria, you may be eligible for entry to second year of the relevant Deakin University undergraduate degree.

### Deakin's Associate Degree of Arts, Business and Sciences

The Associate Degree of Arts, Business and Sciences (Deakin at Your Doorstep), is a two-year, full-time (or part-time equivalent), 16-credit-point program specifically designed for students who would benefit from a supported entry to tertiary study.

The associate degree course structure provides flexible pathways into tertiary education, and can be used as a guaranteed pathway into a range of Deakin degrees at the Warrnambool Campus, Geelong Waterfront Campus, Geelong Waurin Ponds Campus or off campus. The degree may also be taken as a stand-alone, two-year exit qualification.

Students studying the associate degree at one of our partner TAFE campuses – Advance in Bairnsdale, Chisholm in Dandenong and Rosebud, Sunraysia in Swan Hill, GOTAFE in Wangaratta and South West TAFE in Portland – will study the course concurrently with a diploma qualification.

For more application information, please visit [deakin.edu.au/doorstep](http://deakin.edu.au/doorstep).

### Pathway to a career in medicine

Biomedical science at Deakin offers graduates another exciting option as a potential pathway to Deakin's four-year graduate-entry medicine program based at the Geelong Waurin Ponds Campus. For more information about the Bachelor of Medicine Bachelor of Surgery, please refer to the *2013 Undergraduate Health Career Booklet*.

### Choice of campus

One of the great things about Deakin is that we have four campuses throughout Victoria. Many of our courses are offered at more than one campus and the ATAR required for each campus often differs, but the same high-quality degree is delivered no matter which campus you study at. This provides you with more entry options and enables you to transfer your studies from one campus to another.

### Single unit study (non-award)

You may wish to undertake a single unit of study at Deakin (without being enrolled or accepted into a course). These units are subject to fees and do not lead to a degree, but may be credited towards a degree if you succeed in gaining entry to a course at a later stage.

For more information, please visit [deakin.edu.au/future-students/applications-enrolments/applications/single-subject](http://deakin.edu.au/future-students/applications-enrolments/applications/single-subject).

### Honours

Honours is a specialised year of study that allows you to draw together the theory and practical skills gained in previous undergraduate studies and develop an in-depth knowledge of your particular discipline through research and additional coursework and training in research techniques.

Honours can offer you a competitive edge in the job market along with providing a pathway into a higher degree – many honours students go on to complete a PhD or other advanced qualifications.

For more information on honours degrees, please visit: [deakin.edu.au/honours](http://deakin.edu.au/honours).

For more information on pathways into Deakin University, please visit [deakin.edu.au/pathways](http://deakin.edu.au/pathways).

At Deakin you can gain hands-on experience by participating in laboratory, field and project work.



# Find out more

## Contact us

P 1300 DEGREE (1300 334 733)

E [enquire@deakin.edu.au](mailto:enquire@deakin.edu.au)

[deakin.edu.au/scitech/les](http://deakin.edu.au/scitech/les)

For the latest information about new courses at Deakin University, please visit [deakin.edu.au](http://deakin.edu.au).

## Further reading

- » 2013 Undergraduate Course Guide
- » 2013 undergraduate career booklets
- » Pathways to Deakin
- » Parents' Guide to University
- » Off-Campus Course Guide
- » Scholarships Guide
- » Accommodation Guide

To order copies of these brochures, phone 1300 DEGREE (1300 334 733) or view them online at [deakin.edu.au/future-students/brochures](http://deakin.edu.au/future-students/brochures).

## Undergraduate eBrochure

Check out our Undergraduate eBrochure, available from [deakin.edu.au/ebrochure/undergrad](http://deakin.edu.au/ebrochure/undergrad), the Apple App Store and Google play.



## Discover Deakin online

You can follow Deakin University through Facebook, Twitter and YouTube.

Connect with other future students and ask current students and staff about life and study at Deakin.

[facebook.com/discoverdeakin](https://facebook.com/discoverdeakin)

[twitter.com/discoverdeakin](https://twitter.com/discoverdeakin)

[youtube.com/discoverdeakin](https://youtube.com/discoverdeakin)



## Other useful websites

### Future students

[deakin.edu.au/future-students](http://deakin.edu.au/future-students)

### Subject information

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

### Campuses

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

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

### Clubs and societies

[dusa.org.au/pages/clubs](http://dusa.org.au/pages/clubs)

### Scholarships

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

### VTAC

[www.vtac.edu.au](http://www.vtac.edu.au)

# Important dates 2012

## Deakin events

### Sunday 12 August

Open Day  
Warrnambool Campus

### Sunday 19 August

Open Day  
Geelong Warrnambool Campus  
and Geelong Waterfront Campus

### Sunday 26 August

Open Day  
Melbourne Burwood Campus

Deakin will hold additional events for prospective students and parents. Please visit [deakin.edu.au/future-students](http://deakin.edu.au/future-students) for updates.

## Application dates

### Early August\*

VTAC applications open

### Late September\*

Timely VTAC applications close

### Mid November\*

Late VTAC applications close  
(late fee applies)

### Mid December\*

Very late VTAC applications close  
(very late fee applies)

### December

Change of Preference

Please check the Deakin University Change of Preference website closer to the date for specific event details, [deakin.edu.au/cop](http://deakin.edu.au/cop).

\* Please check dates on the VTAC website [www.vtac.edu.au](http://www.vtac.edu.au) and on the other websites provided.

## Careers markets and expos

### Melbourne

#### Thursday 3–Sunday 6 May

The Age VCE Careers Expo

#### Friday 25–Saturday 26 May

National Careers and Employment Expo

#### Saturday 16–Sunday 17 June

Reinvent Your Career Expo

#### Friday 27–Sunday 29 July

Herald Sun Careers Expo

### Interstate

#### Sunday 29–Monday 30 April

Adelaide – Tertiary Studies and Careers Expo

#### Thursday 13–Sunday 16 May

Perth – Careers, Education and Employment Expo

#### Thursday 21–Sunday 24 June

Sydney – Western Sydney Careers Expo

#### Saturday 21–Sunday 22 July

Brisbane – The Tertiary Studies Expo (TSXPO)

Box Hill Institute CRICOS Provider Code: 02411J  
Chisholm Institute of TAFE CRICOS Provider Code: 00881F  
Gordon Institute of TAFE CRICOS Provider Code: 00011G  
Melbourne Institute of Business and Technology (MIBT)  
CRICOS Provider Code: 01590J  
South West Institute of TAFE CRICOS Provider Code: 01575G  
Sunraysia Institute of TAFE CRICOS Provider Code: 01985A

**More information | Science**

1300 DEGREE (1300 334 733) | [enquire@deakin.edu.au](mailto:enquire@deakin.edu.au) | [deakin.edu.au/scitech/les](http://deakin.edu.au/scitech/les)

# 2012 DEAKIN UNIVERSITY OPEN DAYS

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**WARRNAMBOOL  
CAMPUS**

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Princes Highway  
Warrnambool Victoria

**12  
AUG**

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**GEELONG  
WAURN PONDS CAMPUS**

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Pigdons Road  
Waurn Ponds Victoria

**19  
AUG**

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**GEELONG  
WATERFRONT CAMPUS**

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1 Gheringhap Street  
Geelong Victoria

**19  
AUG**

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**MELBOURNE  
BURWOOD CAMPUS**

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221 Burwood Highway  
Burwood Victoria

**26  
AUG**