



Issue No. 11

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Welcome to this edition of the Careers Newsletter

Don't forget to also check out our PVCC Careers website for important information for students and parents. You can find our site at: <https://careers.pvcc.vic.edu.au>

Items in the *Career News* include –

- Casper entry requirements for Teacher Qualifications
- VET in the VCE
- University of Melbourne – Bachelor of Oral Health degrees
- Differences between a Dietician and Nutritionist
- Vic Police Recruitment information
- Engineering degrees in Victoria
- Victoria University Block Model
- Biomedical and Science degrees in Victoria



Dates to Diarise in Term 3

- **University / TAFE Open Days 2023** – throughout August
- **Year 12 VTAC timely applications** – throughout August and September
- **VTAC SEAS and Scholarship applications** – throughout August and September
- **Year 11 (2024) Subject selection interviews** – Students and Parents – throughout August.



VTAC Year 12 Guides 2024

The online [VTAC Year 12 Guide](#) and the downloadable [VTAC Tertiary Research](#) guide are designed to provide students with useful information regarding *course research and the application processes* for entry to tertiary study in Victoria in 2024. Year 12 students are encouraged to browse both resources and begin to familiarise themselves with what lies ahead over the coming months.



Casper Entry Requirements for Teacher Qualifications

*Casper is an online test designed to assess an applicant's personal and professional attributes. **Casper** is a requirement of applying to many initial teaching training courses in Victoria - [Casper](#).*

Most universities offering undergraduate teaching courses will be requiring students sit the **Casper** online test as part of the selection into teaching degrees in 2024. Students are encouraged to browse [VTAC](#) and determine which courses will require the **Casper** for selection. Students might also like to browse [Casper FAQs](#) and have a look at [Casper Preparation](#) too. **Students might find this YouTube [clip](#) useful.**



What is VET in the VCE?

VET stands for *Vocational Education and Training*, and vocation refers to work or employment. **VET in the VCE** programs are designed to give students an exposure to practical skills and an understanding of what it is like to 'learn through doing'. So, students can opt to do a VET subject while completing their VCE and, in most cases, the VET qualification contributes towards the VCE and the ATAR. **Visit [Get VET in the VCE](#).**



Bachelor of Oral Health

Graduates of the Bachelor of Oral Health can practise as an oral health therapist, a dental therapist, or a dental hygienist.

In these roles, you may examine and diagnose oral and dental health conditions, plan oral health care, help prevent disease, provide clinical dental treatments, undertake oral health promotion, and perform orthodontic and preventative procedures, including impressions and applying topical fluoride or fissure sealants. You will provide fillings and extract deciduous teeth for children and young adults as well as plan care, treat periodontal conditions and clean, scale and root plane teeth for people of all ages. You will also take and interpret radiographs, and work in collaboration with other dental and health practitioners to improve oral health.

Important note: Although the Bachelor of Oral Health is not a direct pathway to the Doctor of Dental Surgery, it is an acceptable undergraduate degree to be eligible for the [Doctor of Dental Surgery](#).

The entry requirements are –

- An undergraduate degree in any discipline and
- [Prerequisite university subjects](#) *in anatomy, biochemistry and physiology at second year level or equivalent, with prerequisite subjects to have been completed within 10 years of commencing the Doctor of Dental Surgery.
*graduates of an accredited Australian or New Zealand Bachelor of Oral Health (or equivalent) who are eligible to register and practice as an Oral Health Therapist, meet the pre-requisite requirements for entry to the Doctor of Dental Surgery via a special entry scheme. There are only 8 places available per year via this special entry scheme. and
- The Graduate Australian Medical School Admissions Test ([GAMSAT](#))



New Bachelor of Human Rights

ACU's Bachelor of Human Rights is an exciting new course that will assist in preparing you to be one of the leading human rights advocates of the 21st century.

Human rights is a rapidly growing area of multidisciplinary study that supports an expanding job market in the human rights sector. The Bachelor of Human Rights will provide students with a deep understanding of human rights that is enriched by perspectives from law, philosophy, and the humanities. Students will apply their knowledge to practical professional contexts and will also complete a placement in the human rights sector. Graduates of this program will bring their multidisciplinary expertise in human rights to a wide variety of professional settings in the corporate, government and non-government sectors.

Graduates can pursue careers in:

- advocacy: domestic and international advocacy, humanitarian services, disaster relief, policy development, volunteer co-ordination
- law: human rights law, international law, immigration law, diversity/equity law,
- social services: human services provision, public health, economic development, policy development
- international relations: diplomacy, peacekeeping, foreign affairs
- communications: foreign news reporting/correspondence, investigative journalism, research

Besides the single degree - [Bachelor of Human Rights](#), students might be keen to learn about the double degrees of [Bachelor of Human Rights/Bachelor of Laws](#) and the [Bachelor of Human Rights/Bachelor of Criminology and Criminal Justice](#) that are also on offer.



University Programs

To be an Accredited Practising Dietitian (APD), students will need to hold a degree accredited by [Dietitians Australia](#). Not all courses on offer are accredited, and no degrees related to human nutrition. **Find out more at [Dietitian Australia University Programs](#).**

A useful [article](#) to read is on the Open Universities website titled ***Dietitian vs nutritionist in Australia: What's the difference?***. To sum the article up – ***Dietitians help their clients navigate the connection between food and health. They do this by translating the latest scientific and medical research into practical advice that people can apply to their lives. In this role, they use their knowledge of food to develop guidelines for managing and treating health conditions like food allergies, diabetes, obesity, cardiovascular disease and even cancer.***

Nutritionists do many of the same things as dietitians, specialising in general diet advice, feedback, and encouragement. However, unlike dietitians, nutritionists are not qualified to provide medical advice or work in medical centres and hospitals. Instead, they are consultants in public health, deal in food policy, ensure food safety standards are maintained, and work with individuals to create healthy dietary goals.



Victoria Police Recruitment Pop-Up – Exciting Recruitment Update

As a result of a recent review, Victoria Police have made considerable changes to the current recruitment process, so applicants will have the best possible chance of success.

Students and parents are invited to attend a free Recruitment Pop-Up, to meet with members of the recruitment, medical and psychological team. This is an exciting, one-off opportunity to speak to the recruitment experts!

Want a sneak peek at the changes?

For eligible applicants, the following may apply;

- exemption from the entrance exam for those with a relevant Australian university bachelor's degree (arts, science, humanities, or business) within the last 5 years,
- the requirement for VCE/VCAL prior to applying has been removed,
- the initial psychological assessment can now be done online, and
- evidence of Covid19 vaccination is no longer required.

The following members of the Victoria Police will be in attendance:

- Recruiting Services Branch
- Psychology & Medical Recruitment Team
- Public Order Response Team (PORT)
- Crime Scene Services
- State Highway Patrol
- Road Policing (Booze Bus)

If you are considering a career as a Police Officer or are interested in finding out more information about the different career pathways available at Victoria Police then this is the event for you.

Please register at [Victoria Police Recruitment Pop-Up Tickets, Sat 12/08/2023 at 10:00 am | Eventbrite.](#)



Engineering Degrees in Victoria in 2023

Listed below are over 35 engineering bachelor's degrees offered at most universities in Victoria. Students should note that unless otherwise indicated* all engineering degrees require at the very least an *English or EAL, and Maths: Mathematical Methods (CAS) or Specialist Mathematics*. Courses with an [^] also require *Chemistry or Physics*.

For a comprehensive list of all courses, their prerequisites and double degrees on offer, visit [VTAC](#). [Another useful website to browse is Engineers Australia – the accreditation authority for tertiary engineering education in Australia and overseas.](#)

INSTITUTION	COURSE	MAJOR STUDIES IN 2023	ATAR 2023
DEAKIN M – Melbourne G – Warrn Ponds	Civil	Civil engineering management, Computer-aided design (CAD), Construction, Engineering, Engineering (civil), Engineering (fluid), Engineering design, Geotechnical engineering, Materials engineering, Structural engineering, Transportation, Water resources engineering.	71.05 (M) 70.40 (G)
	Electrical & Electronics	Circuits and electronics, Control systems, Data communications, Electrical and electronic engineering and technology, Electrical engineering, Electronic engineering, Embedded systems, Energy efficiency and demand management, Engineering, PLC and SCADA, Power system protection, Power systems, Renewable energy, Smart distributions and transmission systems, Smart grid, Systems and signals.	n/p (M) 74.15 (G)
	Environmental	Ecology, Engineering, Environmental chemistry, Environmental engineering, Environmental protection and management, Hydrology, Sustainable infrastructure engineering, Waste management, Water engineering.	69.15 (G)
	Industry	Civil engineering, Electrical and electronics engineering, Mechanical engineering, Mechatronics engineering.	n/p (G)
	Mechanical	Computer-aided design (CAD), Computer-aided engineering (CAE), Control systems, Dynamics, Engineering, Engineering (mechanical), Engineering design, Engineering mathematics, Engineering modelling, Fluid mechanics, Machine design, Materials engineering, Mechanical design, Product development, Project management, Solid mechanics, Stress analysis, Structural engineering, Thermodynamics.	70.15 (M) 65.10 (G)
	Mechatronics	3D printing, Advanced manufacturing, Artificial intelligence, Circuits and electronics, Computer-aided design (CAD), Control systems, Data communications, Electrical and electronic engineering and technology, Electrical engineering, Electronic engineering, Engineering, Engineering (mechanical), Engineering (mechatronic), Mechanical design, Mechatronics design, Robotics, Virtual and augmented reality.	69.70 (M) 65.55 (G)
	Software	Artificial intelligence, Computer software, Cyber security, Cyber-physical systems, Data analytics, Data capturing technologies, Data structures and algorithms, Database programming, Embedded systems development, Information technologies research, Internet-of-Things, Object-oriented programming, Programming, Robotics Applications, Robotics software, Software architecture, Software design, Software engineering, Software testing, Usability and user experience engineering, Web application development.	66.80 (M)

FEDERATION G – Gippsland B –Ballarat	Civil	Civil Engineering.	n/p (G) n/p (B)
	Electrical & Information Engineering	Electrical and Information Engineering.	n/p (B) n/p (G)
	Mechanical	Mechanical Engineering.	n/p (B)
	Mining	Mining Engineering.	n/p (B)
LA TROBE M – Melbourne B – Bendigo *Any Maths	Civil *	Civil engineering.	65.35 (M) 67.00 (B)
	Industrial Engineering *	Engineering (industrial).	65.55 (M) 65.60 (B)
	Engineering Technology * (Associate Degree)	Engineering technology.	n/p (M)
MONASH CI – Clayton	Engineering ^	Aerospace engineering, Chemical engineering, Civil engineering, Electrical and computer systems engineering, Engineering, Environmental engineering, Materials engineering, Mechanical engineering, Robotics and Mechatronics Engineering, Software engineering.	85.00 (CI)
	Biomedical ^	Biomedical Engineering.	85.85 (CI)
RMIT C – City C/B – City & Bundoora *Any maths	Engineering *	Advanced manufacturing, Aerospace engineering, Automotive engineering, Biomedical engineering, Chemical engineering, Civil engineering, Computer engineering, Electrical engineering, Electronic engineering, Environmental engineering, Mechanical engineering, Mechatronics engineering, Sustainable engineering, Telecommunications engineering.	75.00 (C)
	Advanced Manufacturing & Mechatronics	Advanced Manufacturing Engineering, Engineering, Mechatronics Engineering.	80.30 (C/B)
	Aerospace	Aerospace engineering, Engineering.	80.55 (C/B)
	Biomedical *	Biomaterials, Biomechanics, Biomedical Design and Practice, Biomedical Electronics, Biomedical Engineering, Biomedical Instrumentation & Electronics, Biomedical Signal Analysis & Image Processing, Engineering, Lab-on-a-chip technology.	80.50 (C/B)
	Chemical ^	Chemical Engineering, Engineering, Environmental Engineering, Minerals and Metallurgical Processing, Water Treatment.	80.05 (C)
	Civil & Infrastructure	Civil Engineering, Civil and Infrastructure Engineering, Engineering, Infrastructure Engineering.	81.35 (C/B)
	Electrical *	Control Automation, Electrical engineering, Energy Conversion, Engineering, Power Systems, Smart Energy systems.	81.20 (C)
	Electronic & Computer Systems *	Computer Systems Engineering, Defence Systems, Digital Signal Processing, Electronic Devices and Systems, Electronic Sensors and Controllers, Embedded Systems, Network Engineering, Network Security, Wireless and Optical Communications.	81.00 (C)
	Environmental *	Engineering, Environmental Engineering, Hydrogeology, Water Engineering.	81.55 (C/B)

	Mechanical *	Automotive Engineering, Engineering, Mechanical Engineering.	81.50 (C/B)
	Software Engineering	Agile software development, Algorithms and data structures, Artificial intelligence, Cloud Computing, Computer architecture, Computer operating systems, Database systems, Industrial collaboration and experience, Networks and data communications, Object-oriented design & modelling, Object-oriented programming & software engineering, Operating systems, Problem solving, Programming (C, Java), Project management, Software development, Software engineering.	82.15 (C)
	Sustainable Systems *	Engineering, Renewable Energy, Sustainability, Sustainable Transport, Sustainable systems engineering, Systems Engineering.	83.05 (C/B)
	Engineering Technology * (Associated Degree)	Advanced manufacturing, Aerospace, Aircraft systems, Civil engineering, Communication systems, Computer application, Computer-aided design (CAD), Electrical engineering, Electronics, Engineering (materials), Engineering (structural analysis and design), Industrial studies, Mechanical engineering, Mechanics (solids), Mechanics (thermo-fluids), Microprocessor control systems, Network security, Process control, Telecommunications (systems and network).	40.85 (C)
	Engineering	Architectural engineering, Biomedical engineering, Civil engineering, Electrical and electronic engineering, Mechanical engineering, Product design engineering, Robotics and mechatronics, Software engineering.	72.00 (H) 75.20 (H) #
SWINBURNE H – Hawthorn # Professional Degree * Any maths	Engineering * (Associated Degree)	Calculus and applications, Computer-aided drafting, Digital and data systems, Electronics and electromagnetism, Energy and motion, Engineering design and innovation, Engineering materials, Linear algebra and applications, Mechanics of structures, Project management practices.	49.95 (H)
VICTORIA FP – Footscray Park * Engineering degrees at VU require <u>any maths</u>	Architectural *	Architectural Engineering, Architecture.	n/p (FP)
	Civil *	Engineering (Civil engineering).	n/p (FP)
	Electrical and Electronic *	Engineering (Electrical and Electronic Engineering).	n/p (FP)
	Mechanical *	Engineering (Mechanical Engineering).	n/p (FP)

Note: Where ANY MATHS* is indicated, it refers to Further Maths (General Maths from 2024 entry onwards), Maths Methods, and Specialist Maths.

Note: Students considering studying **Engineering** at the **University of Melbourne**, will be required to first complete one of the following bachelor degrees and then go on to postgraduate studies in Engineering.

The bachelor courses at UniMelb are:

B Biomedicine, B Commerce, B Design, and B Science. Two useful links to browse are:

<https://study.unimelb.edu.au/find/pathways/engineer/> and <https://study.unimelb.edu.au/study-with-us/guaranteed-undergraduate-to-graduate-study-pathways/graduate-degree-packages>.

Snapshot of Victoria University (VU) in 2023

- More than 45,000 students from around the world study at one of VU's many campuses, with its largest one being Footscray Park - [VU Campuses](#).
- VU has a number of academic colleges including *arts & education, business, engineering & science, health & biomedicine, law & justice, sport & exercise science* - [VU Academic Colleges](#).
- VU has very strong industry connections with over 900 industry partnerships, including the *Western Bulldogs, Melbourne Victory, Western Health, FIFA*, and various others - [VU Industry Connections](#).
- VU has agreements with over 50 *exchange partner* institutions worldwide, and students can often gain credit towards their degree by studying for a year or a semester with one of the international exchange partners - [VU Study on Exchange](#).
- VU is a dual-sector institution, offering both vocational training (TAFE) and higher education with very accessible transition between courses at all levels. These *pathways* mean that a student's dream qualification is within reach, regardless of their study background, prior experience, or their ATAR score - [VU Pathways](#).
- VU is one of Australia's leading sport universities, ranking #7 globally for sport science education in the Shanghai Rankings 2022 - [VU - Leading Sport University](#).
- VU sport students may gain behind-the-scenes access at *Real Madrid Football Club* through a partnership - [VU Real Madrid Partnership](#).
- Within the Law & Justice College, VU offers a number of courses from certificates and diplomas to postgraduate degrees, giving students more options to achieve their goals while balancing life and study commitments through flexible pathways - [VU Law & Justice College](#).
- VU is one of only two universities in Victoria that offers a course in *osteopathy* - [Osteopathy at VU](#).
- VU is the only university offering a *dermal therapies degree* in Victoria - [VU Dermal Science Degree](#).
- VU offers a number of courses linked to clinical practice and have dedicated clinics where current students put into practice that which they have learnt. Courses linked to clinics include *dermal therapies, massage, osteopathy, psychology* - [VU Health Clinics](#).
- In 2018 VU introduced the [VU Block Model](#)





News from Deakin University

➤ Engineering at Deakin

There has never been a better time to study engineering at Deakin! From 2024, Deakin will offer a consolidated undergraduate engineering course – the Bachelor of Engineering (Honours) – and it will be available at both the Melbourne Burwood and Geelong Waurin Ponds campuses. **This will mean that the full four-year engineering degree will be offered at Melbourne Burwood campus.**

Students will have a choice of five different majors spanning *civil, electrical and electronics, environmental, mechanical or mechatronics* engineering, and students will have the chance to explore which area of engineering excites them most. In most cases, students will have the ability to change their specialisation as they progress.

In 2024, the following engineering majors will be offered at Burwood: *Environmental, Mechanical, and Mechatronics*, and in 2025 the remaining two majors – *Civil* and *Electrical and Electronics* – will commence.

Importantly, from 2024, this course will be available to students studying General Maths, Methods, or Specialist mathematics, allowing more students to pursue their dream of becoming an engineer. **More information will go live on the Deakin website from 31 July 2023, as well as on VTAC.**

➤ Pathways Finder

Don't downsize your dreams just because you didn't get the ATAR you wanted, or you don't meet the entry requirements for your chosen course. There are more pathways into university than you might think.

Deakin's ***Pathways Finder*** helps students discover all the opportunities available to them, so they can walk away with an achievable plan to make their dream course a reality.

Students are encouraged to spend some time familiarising themselves with this useful tool - [Pathways Finder](#).



News from the University of Melbourne

➤ University of Melbourne Residential Colleges

Applications for the University of Melbourne Residential Colleges are now open for 2024 entry. Students are encouraged to browse [UniMelb Colleges - How to Apply](#) for more details and/or to submit an application for next year. Students should also note that in 2023, the University's

Residential Colleges awarded \$7.5 million in scholarships and bursaries to support its resident students, and 1 in 3 students in the Colleges receive financial assistance.

Interested students should note that all [ten of the Residential Colleges](#) will also be welcoming visitors for tours during the University's Open Day on Sunday 20 August 2023.

➤ **Master of Sports Rehabilitation**

The [Master of Sports Rehabilitation](#) offered by the University of Melbourne designed for passionate exercise science professionals who want to train in assisting injured athletes back to performance health. The Master in Sports Rehabilitation is designed specifically for exercise scientists with a minimum of three years relevant sports injury prevention and management experience, and to doctors, physiotherapists, and podiatrists with a minimum of three years relevant sports performance and injury management experience.

In order to be considered for entry, applicants must have completed:

- A bachelor's degree or equivalent in the discipline of Physiotherapy, Medicine, Podiatry, Exercise Science or another relevant discipline; **and**
- At least three years of documented practice experience in clinical sport or health.



Swinburne's Professional Purpose Program

Become that person who springs out of bed every morning, charged with energy for the workday. Have a job that doesn't feel like a job, because you're adding value to the world and being recognised for it. Nurture a network of colleagues and mentors you also call friends. How's that for a life goal?

Launched in 2020, Swinburne introduced its **Professional Purpose Program**, geared towards assisting students identify their values and goals, and letting those guide their career choices.

The **Professional Purpose Program** runs alongside a student's bachelor's degree and functions like a life and career planner. Its objective – to help students make the most of their university experiences and set themselves up for the sort of meaningful success others can only dream of. In some degrees, this program is actually embedded in the course.

For more detailed information, including answers to frequently asked questions, browse [Professional Purpose Program](#).



Career as a Paramedic

Deciding to become a paramedic is a life-changing decision. For many the first decision they want to make is to decide what type of paramedic training they need.

Being a paramedic is about a lot more than lights and sirens and rushing to help someone in need. Paramedics perform clinical procedures, administer drugs, maintain patient records and decide the most appropriate medical facility to take someone to.

There are different types of paramedics – visit [Types of Paramedics](#).

In Victoria, the following universities offer degrees in paramedicine: **ACU, Monash, La Trobe** and **Victoria**.

To find out more about being a paramedic in Victoria, browse the **Ambulance Victoria** website at [Paramedics](#).



The VU Block Model

At Victoria University (VU) we have revolutionised tertiary education in Australia with our multi-award-winning VU Block Model.

Unlike the standard university model where students juggle multiple subjects at once over a semester, at VU students get to focus on one unit at a time over a four-week 'block'. Students typically finish their block on a Friday and receive their results on the following Monday, taking away uncertainty and a long wait for results.

The top 3 reasons VU's Block Model is the "New Way To Do Uni" are listed below:

1) **Achieve more**

Not only has Block Model seen pass rates increase, but more students are also becoming high achievers with Distinctions and High Distinctions grades increasing.

2) **Stand out**

Block class sizes are small, students get to know their classmates and teacher, and become a working team, not just a face in a lecture theatre.

3) Build confidence

Learning in small, collaborative working groups, students are empowered to share ideas, debate concepts, and explore learning opportunities from their first class.

Students might like to watch a YouTube clip on the [VU Block Model](#), as well as browse the link [Why Choose the VU Block Model?](#)



Biomedicine/Biomedical Science Degrees in Victoria in 2023

A Biomedicine or Biomedical Science degree is often regarded as an excellent pathway degree to graduate medical careers.

INSTITUTION	COURSE NAME	VCE PREREQUISITES	MAJOR STUDIES IN 2023
ACU M – Melbourne	Biomedical Science ATAR: 59.15 (M)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in any Mathematics.	Biomedical Science, Physiological Pharmacology.
DEAKIN M – Melbourne G – Warrn Ponds	Biomedical Science ATAR: 80.00 (M) 72.75 (G)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Anatomy, Biochemistry, Bioinformatics, Biology, Biomedical science, Bioscience, Cell biology, Environmental health, Genetics, Human biology, Immunology, Infection and immunology, Medical biotechnology, Medical genomics, Medical microbiology, Medical research, Medical science, Microbiology, Molecular and cell biology, Molecular and human genetics, Molecular biology, Molecular life sciences, Pathophysiology, Pharmaceutical Science, Physiology.
FEDERATION B – Berwick Gi – Gippsland Ba – Ballarat	Biomedical Science ATAR: 47.70 (B) 65.00 (Gi) 61.75 (Ba)	Units 3 and 4: a study score of at least 20 in any English; Units 3 and 4: a study score of at least 20 in any Mathematics; Units 3 and 4: a study score of at least 20 in any Science.	Biomedical Science.
	Biomedical Science (Gippsland Partnership) ATAR: n/p (Gi)	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 27 in English (EAL); Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods, Maths: Specialist Mathematics or Physics; Units 3 and 4: a study score of at least 25 in Chemistry.	Biomedical Science.
LA TROBE M – Melbourne AW – Albury	Biomedical Science ATAR: 61.05 (AW) 61.25 (B)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Biomedical Science.

Wodonga B – Bendigo	Biomedicine ATAR: 65.05 (M)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Biomedicine.
MONASH C – Clayton **Physics not required from 2024	Biomedical Science ATAR: 88.00 ©	Units 3 and 4: a study score of at least 27 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods, Maths: Specialist Mathematics or Physics**.	Anatomy and physiology, Biochemistry, Biomedical science, Biomedicine, Genetics, Health sciences, Human biology, Human sciences, Microbiology, Molecular and cell biology, Neurobiology, Pathology, Pathophysiology.
RMIT B – Bundoora	Biomedical Science ATAR: 70.20 (B)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of any Mathematics or Physics; Units 3 and 4: a study score of at least 20 in one of Biology or Chemistry.	Anatomy, Biochemistry, Biomedical science, Biotechnology, Cell biology, Cell physiology, Human physiology, Medical science, Microbiology, Molecular medicine and biotechnology, Neurobiology, Pathology, Pharmacology.
UNI MELBOURNE P – Parkville	Biomedicine ATAR: 94.05 (P)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	Biochemistry and molecular biology, Bioengineering systems, Biotechnology, Cell and developmental biology, Genetics, Human nutrition, Human structure and function, Immunology, Infection and immunity, Microbiology, Neuroscience, Pathology, Pharmacology, Physiology, Psychology.
VICTORIA F – Footscray St. A – St. Albans	Biomedical Science ATAR: n/p (St. A)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Biology, Chemistry, Health And Human Development, any Mathematics** or Physical Education.	Human Physiology, Molecular Cell Biology.
Not Foundation Mathematics	Biomedicine ATAR: 82.40(F) n/p (St. A)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in two of Biology, Chemistry, any Mathematics or Physics.	Biomedicine.



Science Degrees in Victoria in 2023

The Bachelor of Science is offered at the following Victorian universities and students are encouraged to visit [VTAC](#) for more information on these and other science-related courses – particularly the **majors** on offer – as well as the numerous double degree options, and/or browse each university link provided below.

UNIVERSITY	VCE PREREQUISITES	ATAR 2023
DEAKIN M – Melbourne campus G – Waurin Ponds campus	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	61.05 (M) 60.00 (G)

FEDERATION <u>Science</u> <u>Science (Advanced)</u> B – Berwick Gi – Gippsland campus Mt H – Mt Helen campus	Units 3 and 4: a study score of at least 20 in any Mathematics or at least 20 in any Science; Units 3 and 4: a study score of at least 20 in any English.	52.70 (B) n/p (Gi) 51.35 (Mt H)
	Units 3 and 4: a study score of at least 30 in any English; Units 3 and 4: a study score of at least 30 in two units (any study combination) of Maths: Mathematical Methods or Maths: Specialist Mathematics or at least 30 in one of Biology, Chemistry, Environmental Science, Geography, Physics or Psychology.	n/p (B) n/p (Gi) n/p (Mt H)
LA TROBE M – Melbourne campus B – Bendigo campus	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; and a study score of at least 20 in any Mathematics.	68.55 (M) 69.50 (B)
MONASH <u>Science</u> <u>Science Advanced Global</u> <u>Science Adv. Research</u> C – Clayton campus R.C. – Range of Criteria	Units 3 and 4: a study score of at least 27 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Biology, Chemistry, Environmental Science, Geography, Maths: Mathematical Methods, Maths: Specialist Mathematics, Physics or Psychology.	82.00 ©
	<u>Science Advanced – Global Challenges:</u> Units 3 and 4: a study score of at least 35 in English (EAL) or at least 30 in English other than EAL; Units 3 and 4: a study score of at least 30 in one of Biology, Chemistry, Environmental Science, Geography, Maths: Mathematical Methods, Maths: Specialist Mathematics, Physics or Psychology.	n/p ©
	<u>Science Advanced – Research:</u> Units 3 and 4: a study score of at least 35 in English (EAL) or at least 30 in English other than EAL; Units 3 and 4: a study score of at least 30 in Maths: Mathematical Methods; Units 3 and 4: a study score of at least 30 in two of Biology, Chemistry, Environmental Science, Geography, Maths: Specialist Mathematics, Physics or Psychology.	93.05 ©
RMIT C – City campus	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	67.70 ©
SWINBURNE H – Hawthorn campus ** Professional degree	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; and a study score of at least 20 in any Mathematics.	58.25 (H) 71.95 (H) **
UNI MELBOURNE P – Parkville campus	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; and a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics; and a study score of at least 25 in one of Biology, Chemistry or Physics. –OR–Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; and a study score of at least 25 in both of Maths: Mathematical Methods and Maths: Specialist Mathematics.	85.00 (P)
VICTORIA FP – Footscray Park campus *Not Foundation Maths	<u>Science – Biotechnology, or Ecology and Environmental Management:</u> Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in any Mathematics*.	n/p (FP)



Snapshot of Deakin – Waurn Ponds Campus in 2023

- Deakin has a long history of working with local and international [industry and business](#) to turn ideas into commercial reality, solve real-world problems and provide current and future employees with the skills they need for 21st century careers.
- The Geelong Waurn Ponds Campus is home to the recently completed [Geelong Future Economy Precinct](#) - the epicentre of world-leading research and innovation, and developed to attract and host global leaders working in the areas of advanced *manufacturing, materials, energy, sustainability, technology, health, and high-value agricultural initiatives* with strong research links.
- The Geelong Waurn Ponds Campus is also home to the [Centre for Advanced Design in Engineering Training](#). The \$55 million state-of-the-art facility houses some of the most advanced and future-focused simulation and visualisation systems, purpose-built interactive laboratories and learning environments in the country.
- The 4-year Medical Imaging course offered by Deakin is taught at the Waurn Ponds Campus - [Medical Imaging](#). The department is a fully equipped x-ray department, and students have access to adult-sized human models designed to be x-rayed and reflect human-like responses to x-rays. This course provides knowledge in medical radiation science, and trains students in techniques like general radiography, computed tomography (CT), digital vascular imaging and magnetic resonance imaging (MRI).
- Deakin University's Faculty of Health offers the Bachelor of Vision Science/Master of Optometry - [Optometry](#). Students have access to a dedicated simulated optometry store for simulated exercises. Clinical placement rotations take place in both metropolitan and regional or rural settings, where students consolidate their knowledge and skills under the supervision of qualified optometrists. Deakin Optometry is housed in the Regional Community Health Hub (REACH) building.
- Deakin's School of Exercise and Nutrition Sciences - [Exercise & Sport Science](#) - is also in the REACH building. Again, exercise & sport science students have access to state-of-the-art equipment. Students also have access to Deakin's [Elite Regional Sports Precinct](#) while completing their course. Of note is the fact that Deakin's School of Exercise and Nutrition Sciences is ranked #1 in the world, according to the [Shanghai Ranking's Global Ranking of Sport Science Schools and Departments](#).
- The School of Medicine - [School of Medicine](#) – is another state-of-the-art facility at the Deakin Waurn Ponds Campus – and offers a 4-year graduate medical degree, with 2 years of pre-clinical education at the University campus in Waurn Ponds, and then 2 years clinical education and experience in one of its clinical schools – hospitals as far-flung as Ballarat to Box Hill.
- The Geelong Waurn Ponds student [accommodation](#)



OPEN DAY + OPEN NIGHT

30 AUGUST, 10AM - 9PM

Join us for some or all of the day's events. Immerse yourself in student life at MST and Eastern as you discover what we have to offer and how it aligns with your sense of calling.



REGISTRATIONS
OPEN

9:30AM

GRAB A FREE COFFEE

CHAPEL AND
MORNING TEA

10:30AM

INFORMATION
SESSION

10AM

EXPERIENCE
A LECTURE

11:30AM

Topic

Early New Testament Church

Topic

A Career in Teaching
for School Leavers

LUNCH IS ON US

1PM

CAMPUS TOUR

10:20AM

CHAT WITH FACULTY
AND
STUDENT SERVICES

12:30PM

Explore your study
area of interest

REGISTRATIONS
RE-OPEN

5:30PM

HAVE A SNACK AT THE GRAZING TABLE

EXPERIENCE A LECTURE

6PM

Topic: Old Testament - Prophets and Writings

Topic: Chat with Eastern Education and Counselling Faculty

PUBLIC LECTURE

7PM

Arthur Jeffery Centre for the
Study of Islam presents:

Andy Bannister (UK)

Topic: Sharing Our Faith with Muslim Friends

