



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



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](#).



**VICTORIA
UNIVERSITY**

**A NEW
SCHOOL OF
THOUGHT**

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 Wodonga B - Bendigo | 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. |
| | 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 (C) | 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 **Not Foundation Mathematics | 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. |
| | 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](https://www.vtac.edu.au) 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 – Waurn 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 Science Science (Advanced) 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. 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. | 52.70 (B) n/p (Gi) 51.35 (Mt H) 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 Science Science Advanced Global Science Adv. Research 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. <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. <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. | 82.00 (C) n/p (C) 93.05 (C) |
| 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 (C) |
| 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](#) is only a 15 minutes from the Geelong CBD and five minutes from Waurn Ponds Shopping Centre. A 320-bed accommodation precinct offers students a contemporary, affordable, high-quality living experience. Around 1070 students call Geelong Waurn Ponds Campus home.

