



## 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



## 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](#))



AUSTRALIAN CATHOLIC UNIVERSITY

## **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, 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?***. In summary – ***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  $\wedge$  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
<b>DEAKIN</b> M – Melbourne G – Warrn Ponds	<b>Civil</b>	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.	<b>71.05 (M)</b> <b>70.40 (G)</b>
	<b>Electrical &amp; Electronics</b>	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.	<b>n/p (M)</b> <b>74.15 (G)</b>
	<b>Environmental</b>	Ecology, Engineering, Environmental chemistry, Environmental engineering, Environmental protection and management, Hydrology, Sustainable infrastructure engineering, Waste management, Water engineering.	<b>69.15 (G)</b>
	<b>Industry</b>	Civil engineering, Electrical and electronics engineering, Mechanical engineering, Mechatronics engineering.	<b>n/p (G)</b>
	<b>Mechanical</b>	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.	<b>70.15 (M)</b> <b>65.10 (G)</b>
	<b>Mechatronics</b>	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.	<b>69.70 (M)</b> <b>65.55 (G)</b>
	<b>Software</b>	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.	<b>66.80 (M)</b>
<b>FEDERATION</b> G – Gippsland B –Ballarat	<b>Civil</b>	Civil Engineering.	<b>n/p (G)</b> <b>n/p (B)</b>
	<b>Electrical &amp; Information Engineering</b>	Electrical and Information Engineering.	<b>n/p (B)</b> <b>n/p (G)</b>
	<b>Mechanical</b>	Mechanical Engineering.	<b>n/p (B)</b>
	<b>Mining</b>	Mining Engineering.	<b>n/p (B)</b>
<b>LA TROBE</b> M – Melbourne B – Bendigo  *Any Maths	<b>Civil *</b>	Civil engineering.	<b>65.35 (M)</b> <b>67.00 (B)</b>
	<b>Industrial Engineering *</b>	Engineering (industrial).	<b>65.55 (M)</b> <b>65.60 (B)</b>
	<b>Engineering Technology * (Associate Degree)</b>	Engineering technology.	<b>n/p (M)</b>
<b>MONASH</b> CI – Clayton	<b>Engineering <math>\wedge</math></b>	Aerospace engineering, Chemical engineering, Civil engineering, Electrical and computer systems engineering, Engineering, Environmental engineering, Materials engineering, Mechanical engineering, Robotics and Mechatronics Engineering, Software engineering.	<b>85.00 (CI)</b>
	<b>Biomedical <math>\wedge</math></b>	Biomedical Engineering.	<b>85.85 (CI)</b>

<b>RMIT</b> C – City C/B – City & Bundoora  *Any maths	<b>Engineering *</b>	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.	<b>75.00 (C)</b>
	<b>Advanced Manufacturing &amp; Mechatronics</b>	Advanced Manufacturing Engineering, Engineering, Mechatronics Engineering.	<b>80.30 (C/B)</b>
	<b>Aerospace</b>	Aerospace engineering, Engineering.	<b>80.55 (C/B)</b>
	<b>Biomedical *</b>	Biomaterials, Biomechanics, Biomedical Design and Practice, Biomedical Electronics, Biomedical Engineering, Biomedical Instrumentation & Electronics, Biomedical Signal Analysis & Image Processing, Engineering, Lab-on-a-chip technology.	<b>80.50 (C/B)</b>
	<b>Chemical ^</b>	Chemical Engineering, Engineering, Environmental Engineering, Minerals and Metallurgical Processing, Water Treatment.	<b>80.05 (C)</b>
	<b>Civil &amp; Infrastructure</b>	Civil Engineering, Civil and Infrastructure Engineering, Engineering, Infrastructure Engineering.	<b>81.35 (C/B)</b>
	<b>Electrical *</b>	Control Automation, Electrical engineering, Energy Conversion, Engineering, Power Systems, Smart Energy systems.	<b>81.20 (C)</b>
	<b>Electronic &amp; Computer Systems *</b>	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.	<b>81.00 (C)</b>
	<b>Environmental *</b>	Engineering, Environmental Engineering, Hydrogeology, Water Engineering.	<b>81.55 (C/B)</b>
	<b>Mechanical *</b>	Automotive Engineering, Engineering, Mechanical Engineering.	<b>81.50 (C/B)</b>
	<b>Software Engineering</b>	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.	<b>82.15 (C)</b>
	<b>Sustainable Systems *</b>	Engineering, Renewable Energy, Sustainability, Sustainable Transport, Sustainable systems engineering, Systems Engineering.	<b>83.05 (C/B)</b>
	<b>Engineering Technology * (Associated Degree)</b>	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).	<b>40.85 (C)</b>
<b>SWINBURNE</b> H – Hawthorn  # Professional Degree  *Any maths	<b>Engineering</b>	Architectural engineering, Biomedical engineering, Civil engineering, Electrical and electronic engineering, Mechanical engineering, Product design engineering, Robotics and mechatronics, Software engineering.	<b>72.00 (H)</b> <b>75.20 (H) #</b>
	<b>Engineering * (Associated Degree)</b>	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.	<b>49.95 (H)</b>
<b>VICTORIA</b> FP – Footscray Park  * Engineering degrees at VU require any maths	<b>Architectural *</b>	Architectural Engineering, Architecture.	<b>n/p (FP)</b>
	<b>Civil *</b>	Engineering (Civil engineering).	<b>n/p (FP)</b>
	<b>Electrical and Electronic *</b>	Engineering (Electrical and Electronic Engineering).	<b>n/p (FP)</b>
	<b>Mechanical *</b>	Engineering (Mechanical Engineering).	<b>n/p (FP)</b>

**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>.



- 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](#) - all bachelor degrees taught at the Melbourne campuses see units delivered in a more focused way, *one at a time*. Students have more one-on-one time with their educators as they complete each unit, and experience a significantly more immersive, collaborative, and enriching learning experience.

