CAREER NEWS

Dates to Diarise in Term 3

- **University / TAFE Open Days 2022** – throughout August
- **Year 12 VTAC timely applications** – throughout August and September
- **VTAC SEAS and Scholarship applications** – throughout August and September

VTAC Year 12 Guides 2023

The **VTAC Year 12 Guide** *online link* and the downloadable VTAC Guide – Researching Tertiary Education publication are designed to provide students with useful information regarding *course research and the application processes* for entry to tertiary study in Victoria in 2023. Year 12 students are encouraged to browse both links and begin to familiarise themselves with what lies ahead over the coming months.

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.**

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 2023. Students are encouraged to browse **VTAC** and determine which courses will require the *Casper* for selection. Students might also like to browse CASPer – how it works and have a look at some sample scenarios too.

Students are encouraged to watch this useful YouTube clip.

Melbourne Principal's Scholarship

Offered to Victorian Year 12 Australian students, this $5,000 scholarship is being offered and will be awarded to students in recognition of their academic achievement and contribution to their school or wider community. Eligible students nominated by their school principal as a student with an excellent academic record and a strong record of contribution to the school or wider community will be automatically considered for this award.

Find out more at Melbourne Principal's Scholarship.

Schools Recommendation Scheme (SRS)

Students considering applying for a course at an **interstate university** or campus might like to consider also applying for the *Schools Recommendation Scheme (SRS).* The *Schools Recommendation Schemes (SRS)* enables schools to recommend current Year 12 students – who are also UAC applicants – for early offers of undergraduate admission.

The aim of SRS is to help more Year 12 students gain access to higher education, especially those students who might otherwise not be offered a place.

SRS applications close at midnight on 19 September 2022.
Students can find out more by visiting UAC - Schools Recommendation Scheme (SRS).

Virtual Tour through Learning Spaces at ANU

Students considering studying **science at ANU** might like to take a *virtual tour* through the learning spaces – lecture theatres, laboratories, and other learning facilities.
Visit Science Tour at ANU.

STEM Hub

Stem Hub a digital platform connecting students and industry. This hub is open to all university students and graduates from any universities who have studies *science, technology, engineering, and/or mathematics*. Students who sign up get access to leading industries and potential future employers. **Current senior students planning to study in one of these fields are encouraged to browse this link and flag this platform as a valuable resource once at university.**

Education Degrees in 3.5 Years

RMIT's suite of *Education degrees*, including the [Bachelor of Health, Physical Education and Sport (Secondary) degree](#), can be taken in accelerated mode, allowing domestic students to increase their study load and complete the course in 3.5 years.

Students are encouraged to browse the different education degrees offered at RMIT to find out more - [Education degrees](#).

Students are also encouraged to watch the following YouTube clip: [What's next for teaching? Find out at RMIT](#).

Studying Nutrition at ACU

Nutritionists are employed in the public and private sector, including hospitals, clinics, government bodies and private practice. With more than 3000 placement health partners nationally, students will have the opportunity to engage in community and workplace experiences.

Students aspiring to a career promoting and improving health and nutrition in individuals and the wider community, might like to consider four reasons why they might like to choose ACU:

1. The [Bachelor of Nutrition Science](#) builds on ACU's expertise in health-focused course offerings, including elective choices tailored to students studies. Students get to understand the science behind food and nutrition, including human physiology and biochemistry, and food and culinary nutrition science. By meeting the requirements of the [Nutrition Society of Australia (NSA)](#), the program has a clear focus on food science, community and public health nutrition, and the role of diet in health promotion and disease prevention.

2. Students who have a flair for business, may choose to double their skills by studying the double degree - [Bachelor of Nutrition Science/Bachelor of Business Administration](#).

News from Federation University

➢ **Bachelor of Psychological Science**

The [Bachelor of Psychological Science](#) is for people with an interest in psychology, and want to learn more about human thought, behaviour, and emotion.

This degree is both specific and flexible:

- specifically, about psychology, and is the first step on the path to becoming a psychologist,
- flexible, in that it opens the door to numerous vocations related to human behaviour, as well as postgraduate opportunities

Students undertake an APAC (Australian Psychological Accreditation Council) accredited sequence of units in psychology. They can also select from a broad range of electives, with studies from other disciplines and value-add to their degree. Electives can focus on one discipline or target specific units from a range of disciplines that appeal to students. Elective streams/courses can include -

Behavioural Studies, Biological Science, Business, Community and Human Services, Criminal Justice, Environmental Science, Exercise and Sport Science, History, Indigenous Studies, Literature, Media and Screen Studies, Outdoor and Environmental Education, Sociology, Writing.

➢ **Bachelor of Engineering (Electrical and Information Engineering) (Honours)**
The ***Bachelor of Engineering (Electrical and Information Engineering) (Honours)*** allows students to explore key electrical areas such as electrical circuits, energy conversion and signals and systems, in addition to programming, data science and artificial intelligence. This gives Fed Uni graduates a broad set of skills to prepare them for careers across electrical engineering fields.
This program is fully accredited by Engineers Australia and includes a range of scholarship opportunities.

 Studying a Common First Year in Engineering
Three Victorian universities offer a common first year in their Bachelor of Engineering (Honours) degree. The advantage of a ***common first year*** is that students get to explore various specialisations in their first year, preparing them to choose an engineering field in their second year. So, students get a taste of the various engineering specialisations on offer before deciding which to pursue from the second year.

Monash University - Engineering
Monash offers ten engineering specialisations and, all but the Biomedical Engineering specialisation, participate in the common first year.

RMIT University - Engineering
RMIT offers eleven specialisations, all of which are accessible after the common first year.

Swinburne University - Engineering
Swinburne offers eight engineering majors, and in the common first year, students complete a number of core units that assist them in choosing their major.

Cyber Security Courses in Victoria in 2022

One explanation for what cybersecurity might be is that **cyber security** is the protection of internet-connected systems, including hardware, software and data, from cyberattacks. In a computing context, **security** comprises **cyber security** and physical **security** -- both are used by enterprises to protect against unauthorized access to data centers and other computerized systems.

Below is a list of some of these, and students are encouraged to browse VTAC for a comprehensive list of all courses – including double-degrees – available.

INSTITUTION	COURSE NAME	VCE PREREQs	MAJOR STUDIES IN 2022
Box Hill Institute	Certificate IV in Cyber Security	n/a, but must complete Year 12	Communication skills and problem solving, Cyber Security essentials, Firewall fundamentals, Incident response, Introduction to threat detection, Networking for Cyber Security technicians, Security Scripting, System Testing tools, Web site Penetration Testing.
Deakin University	Bachelor of Cyber Security	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Access control, Computer and network security, Computing, Cryptography, Data analytics, Database, Digital forensics, Hi-tech crime, Identity management and authentication, Information and communication technology, Information technology, Internet and web, Internet technology and security, Internet-of-things security, Network management and network systems, Network security, Penetration testing, Privacy, Public-key cryptography, Security analytics, Security and risk analysis, Security management, System and software vulnerabilities.
Holmesglen Institute	Certificate IV & Advanced Diploma of Cyber Security	n/a, but must complete Year 12	Advance PEN testing, Australian cyber law, Collecting and analysing data to identify cyber threats and vulnerabilities, Cyber Security Industry Project, Cyber ethics and workplace legislation, Data forensics, Data threat analysis, Developing risk mitigation policies, Introduction to Pen Testing, Intrusion testing, Managing System Security, Network Security firewall configuration, Networking skills for Cyber Security, Programming skills for Cyber Security, Risk Management, Securing Websites, Securing virtual environments, Security monitoring & Incident response, Security virtual environments, Working and communicating in a Cyber Security Operations Centre in an Organisation, cloud security.
La Trobe University	Bachelor of Cybersecurity	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Cybersecurity.
Monash University	Bachelor of Applied Data Science	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 Maths: Mathematical Methods or Maths: Specialist Mathematics.	Anatomy and developmental biology, Applied discrete mathematics, Astronomy, Biochemical science, Biological science and genetics, Biomedical science, Business analytics, Business information systems, Chemical sciences, Computer Science, Computer systems engineering, Crime and society, **Cybersecurity**, Data challenges, Data science, Digital humanities, Digital media, Drugs and society, Earth and atmospheric sciences, Economics, Geography and the environment, Interactive media, Language and society, Marketing science, Mathematics, Microbiology, Mobile apps development, Modelling with differential equations, Molecular and cell biology, Pharmacology, Physics, Physiology, Social research, Software development, Statistical modelling.
Swinburne University	Cert IV in Cyber Security	n/a, but must complete Year 12	Implement network security infrastructure, Test concepts and procedures, Utilise basic network concepts and protocols, Write script for software applications.
	Bachelor of Computer Science	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 1 and 2: satisfactory completion in two units (any study combination) of any Mathematics	Artificial intelligence, Cybersecurity, Data science, Games development, Internet of Things, Software development.

Human Resources Courses in Victoria in 2022

The Good Universities Guide* states that *Human Resources Officers provide administration services for the recruitment and employment of staff. In small organisations, Human Resources Officers are usually responsible for all staffing matters. In large organisations they may specialise in a particular area such as recruitment, wages and entitlements or staff training.*

Personal requirements of a Human Resources Officer -
- Good planning, organisational, analytical and decision-making skills
- Good oral and written communication skills
- Tactful and discrete when dealing with people and confidential information

* **Good Universities Guide - Human Resources Officer**

Training to become a Human Resources Officer can take place at TAFE or university. Below are some of the courses offered in Victoria. Often human resource majors are offered in business and commerce courses at TAFE and university. **For a comprehensive list of all courses offering studies in human resources, including double-degree options, visit VTAC**

INSTITUTION	COURSE	MAJOR STUDIES IN 2022
Deakin University	Bachelor of Human Resource Management (Psychology)	Human resource management, Psychology.
Holmesglen Institute	Diploma of Leadership and Management	Business (administration), Business (management), Business (operations), Business practice, Customer service, *Human resource management*, Industrial relations, Leadership, Management, Management (finance), Management information systems, Occupational health and safety, Resource/environmental management, Risk analysis and management, Strategic planning.
Kangan Institute	Advanced Diploma of Leadership and Management	Accounting, Budgeting, Business planning, Change management, Customer Service, Employee relations, Employment Law, Finance, *Human resource management*, Human resources (performance management), Industrial relations, Leadership and Management, Organisational Change, Project Management, Recruitment and Selection, Strategic management, Strategic planning.
La Trobe University	Bachelor of Business (Human Resource Management)	Agribusiness, Digital business, Economics, Enterprise, Event management, Finance, *Human resource management*, International business, Management, Marketing, Sport management, Tourism and hospitality.
RMIT University	Bachelor of Business (Human Resource Management)	Business, Employment Relations, Human Resource Development, Human Resource Management, International Business, International Human Resources, Management.
Victoria University	Bachelor of Business (Human Resource Management)	Accounting, Accounting, Banking and Finance, Event Management, Financial Risk Management, Human Resource Management, Information Systems Management, International Hospitality Management, International Tourism Management, International Trade, Management and Innovation, Marketing, Music Industry, Supply Chain and Logistics.

Snapshot of The University of Sydney in 2022

- Established in 1852, The University of Sydney is the oldest university in Australia.
- Ranked in the top 50 universities globally - QS World Rankings, ranking 38th in the world, and listed as 3rd in Australia.
- Ranks #2 in Australia *for veterinary sciences,* and *architecture/built environment;* #1 in Australia for *English language and literature,* and #2 in Australia for *sports-related subjects*.
- The University of Sydney has a number of faculties and schools -

Arts and Social Sciences	Nursing
Business	Pharmacy
Dentistry	Science
Engineering and IT	Architecture, Design and Planning
Health Sciences	Law
Medicine	Conservatorium of Music

- To help students make informed decisions and provide transparency, the University of Sydney has published a list of required ATARs that guarantee entry into most courses.
- There are numerous campuses from the inner city of Sydney to the Great Barrier Reef, with teachers, researchers and students based all over Australia - campuses.
- The university has international partnerships with other universities and research institutes, as well as industry partners such as *Microsoft, Rio Tinto, Qantas,* and the *Defence Science and Technology Organisation (DSTO)*
- There are many courses offered at the University of Sydney, from undergraduate to postgraduate.
- There are scholarships available for domestic and international students at all levels.
- Study abroad and student exchange opportunities are on offer with over 250 programs for students to consider.
- There is a well-established Careers Centre that offers numerous services and resources to help students identify their career options and achieve their career goals.
- Regarding accommodation for interstate students, there is a variety of on-campus and off-campus options available.
- There are over 200 university clubs and societies, so something for everyone.