CAREER NEWS   Friday 10 March

Box Hill Institute Talk & Tour

Box Hill Institute's *Talk & Tours* are back! Students keen on learning more about what one can study at Box Hill Institute are invited to register and visit its campuses to discuss with teachers and course experts everything they want to know about how Box Hill Institute can help them become a professional in some of Victoria's most in-demand careers.

Students will also have a rare chance to tour the on-campus labs, studios, workshops, retail outlets, restaurants and.

By attending on-campus, students will also have the opportunity to win a new Student Study Pack containing Apple goodies valued at over $4K!

Date: Tuesday 28 March 2023
Campus: Box Hill Campus
Time: 4.00pm – 7.00pm

Date: Thursday 30 March 2023
Campus: Lilydale Campus
Time: 4.00pm – 7.00pm

Register for one or both events at [Box Hill Talk & Tours 2023](#).

Studying the Bachelor of Engineering (Honours) at RMIT

The Bachelor of Engineering (Honours) degree allows students the opportunity to explore the fundamentals of engineering — science, mathematics, design, and more — **before** selecting a specialisation.

Students gain a wealth of engineering skills and knowledge, and through their elective subjects are exposed to a range of specialisations.
After their first year of study, students will be able to choose which branch of engineering to explore in more depth, including:

- aerospace engineering
- automotive engineering
- biomedical engineering
- civil and infrastructure engineering
- chemical engineering
- computer and network engineering

- electrical, electronic and telecommunications engineering
- environmental engineering
- mechanical engineering
- manufacturing engineering
- mechatronics engineering
- sustainable systems engineering.

RMIT is ranked 10th in the Oceania region for Engineering in 2023.

The VCE prerequisites for entry are Units 3 and 4 with a study score of at least 30 in English (EAL) or at least 25 in English other than EAL, and Units 3 and 4 with a study score of at least 20 in any Mathematics. This course has a guaranteed ATAR of 75.00.

Further information can be found at [Bachelor of Engineering (Honours)](#).

Public Information Session

EducationUSA Australia is thrilled to welcome NYU Admissions Counsellors travelling from New York and Abu Dhabi to Melbourne. Year 9 – 12 students interested in finding out more about NYU, the U.S. Higher Education application process, as well how to receive help in preparing an application, are encouraged to attend.

The session will include the following:

- Introduction to NYU's three-degree granting campuses: New York, Abu Dhabi and Shanghai
- The value of researching university options
- The application process
- Application and financial aid deadlines
- Discussion around what a selective institution is and what applicants should consider when applying to U.S. colleges
- How COVID-19 has impacted the application process and college landscape
- The importance of academic rigor
- Explanation regarding what extracurricular activities mean to admissions officers
- Q & A

Students can attend this session in-person or virtually and registration is required for all attendees.

Date: Tuesday 21 March 2023
Time: 6.00pm – 7.30pm
Location: Trinity Grammar School, Arnold Hall, 40 Charles Street in Kew 3101

Register at [Learn about U.S. Colleges](#) no later than Tuesday 21 March at 3.00pm.

Letz Live Gap Year Opportunities

Have the time of your life by taking a Gap Year after school or live and breathe a new city with a working holiday. Either way, get out there and live in the real world!

Applications for 2024 Gap Year programs are now open with applications closing on 9 April 2023.

Letz Live offers Gap Year and Working Holiday opportunities in Australia, New Zealand, United Kingdom, Thailand or the United States of America.

Year 12 students are encouraged to browse the links provided to determine if any of the programs on offer appeal.

HMAS Cerberus Open Day – Careers in the Navy

Defence Force Recruiting invites students to explore the Navy at the upcoming Open Day happening at HMAS Cerberus in March. This is a great opportunity to learn more about the *trade, communications, IT & intelligence,* or *leadership roles* available in the Navy. Students will meet current Navy personnel to receive expert insights and gain a first-hand account of their lives both on base and on board. Students will also learn more about the training and ongoing opportunities for growth and development and see if a career in the Navy is for them.

Even if they aren't thinking about a career in Defence or are unsure of their next steps, the HMAS Cerberus Open Days may provide an exciting future they haven't considered before.

Date: Sunday 19 March 2023
Time: 10:00am - 4:00pm
Location: HMAS Cerberus - Main Entrance, Wilson Avenue HMAS Cerberus

Registrations encouraged but not essential at HMAS Cerberus Open Day.

Cyber Security Courses in Victoria in 2023

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 2023
Box Hill Institute	Certificate IV in Cyber Security	n/a, but must successfully 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 and Advanced Diploma of Cyber Security	n/a, but must successfully complete Year 12	Advance PEN testing, Australian cyber law, Cloud security, 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, Working and communicating in a Cyber Security Operations Centre.
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.
Melbourne Polytechnic	Certificate IV in Cyber Security	n/a, but must successfully complete Year 12	IOT scripting using Python, Networking concepts and protocols, Penetration testing, Securing a networked PC, Server and Network security.
RMIT UNiversity	Diploma of Information Technology (Cybersecurity)	n/a, but must successfully complete Year 12	Business Information Systems, Cyber Security, IT Project Management, Information Technology, Information systems management, Network Infrastructure, Security Architecture Design, Systems software, Technical support.
Swinburne University	Cert IV in Cyber Security	n/a, but must successfully complete Year 12	Automate processes, Develop a cyber security industry project, Install and manage a server, Manage network security, Manage the security infrastructure for the organisation, Monitor and administer security of an ICT system, Secure a networked personal computer, Test concepts and procedures for cyber security, Utilise basic network concepts and protocols required in cyber security, 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).	Cyber security ethics law and policy, IT security, Malware analysis, Network administration, Network routing principles, Network security and resilience, Networks and switching, Programming, Secure remote access networks, Web development.
Victoria University *****Not 3/4 Foundation Mathematics	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; Units 3 and 4: a study score of at least 20 in any Mathematics*****	Cyber security.

Snapshot of The Australian National University (ANU) in 2023

- Although the main campus is based in Canberra in the ACT, ANU is Australia's only national university. It has [campuses](#) in ACT, NSW, and the NT.
- ANU ranks 1st in Australia and 30th in the world in the [QS World University Rankings 2023](#) and ANU counting six Nobel Laureates among its staff and alumni. It also has one of the highest average academic staff to student ratios among Australia's leading universities according to the Good Universities Guide.
- ANU has seven academic colleges:
  [College of Arts and Social Sciences](#)
  [College of Asia and The Pacific](#)
  [College of Business and Economics](#)
  [College of Engineering and Computer Science](#)
  [College of Health and Medicine](#)
  [College of Law](#)
  [College of Science](#)
- Students wishing to [study](#) at ANU can choose from a range of disciplines and degree structures, from single, double and research undergraduate and postgraduate programs.
- At ANU the [Doctor of Medicine and Surgery (MChD)](#) is a postgraduate, four-year degree - students cannot study medicine as an undergraduate at ANU. Further information on the admissions process and how to apply is available on the [ANU Medical School](#) website.
  Students looking for an undergraduate pathway to medicine without sitting the GAMSAT, might like to consider the [Bachelor of Health Science](#).
- ANU students are encouraged to enhance their learning experience and take advantage of national and international [global study opportunities](#) which can count credit towards their degree.
- Prospective and current ANU student have access to many [scholarships](#) to support with the cost of their studies.
- ANU offers a broad range of [accommodation](#) choices for students, within a diverse and vibrant community.