CAREER NEWS

Career in Air Conditioning Technology

According to the Career Cornerstone Centre, *air conditioning engineering technologists work in the design, installation, and service of heating and air conditioning systems in residential and commercial buildings.* They know how to select and maintain equipment that ensures building comfort.

According to the [Good Universities Guide](#), there are a range of specialised roles in this field, such as –

- **Refrigeration and Air Conditioning Draftsperson**

Refrigeration and air conditioning draftspersons design and produce working drawings of mechanical systems for refrigeration and air conditioning systems within a building project so that they can be manufactured, constructed, and installed. Apart from having an aptitude for problem-solving, good communication skills, and being able to work as part of a team, a particular interest must be enjoying technical and design activities.

- **Automotive Air Conditioning Fitter**

Automotive air conditioning fitters install and repair air conditioning units in various types of vehicles and machinery, such as cars, trucks, vans, and tractors. Successful fitters enjoy practical and manual activities, have good hand-eye coordination, an aptitude for mechanical work, are able to keep up to date with technological change, and have good problem-solving skills.

- **Refrigeration and Air Conditioning Mechanic**

Refrigeration and air conditioning mechanics select components, assemble, install, test, fault-find, service and repair industrial, commercial, and domestic refrigeration and air conditioning systems in homes, shops, factories, office buildings, hospitals, supermarkets, and cold stores. Besides having an aptitude for problem-solving, good communication skills, and being able to work as part of a team, other important personal requirements of these specialised mechanics are being able to work with hand and power tools, enjoy and have an aptitude for technical work, and work patiently, systematically and thoroughly.

SAE Flickerfest Masterclass

Do you love making films? Do you dream of working in the film industry one day? SAE is SAE teaming up with **Flickerfest** to deliver a masterclass at its campus in South Melbourne.

The masterclass will touch on the following:

- *What makes a short film Oscar worthy?*
- *How to generate income through distribution of your film*
- *Getting your film ready to take to market*
- *An opportunity to ask an expert any of your own questions about short films*

Date: Thursday 13 February 2020
Time: 4.30pm – 6.30pm
Venue: SAE Campus, 235 Normanby Road, South Melbourne

Find out more at register at [SAE Flickerfest Masterclass](#)

COMPARED
INSPIRED DECISIONS, LIMITLESS POSSIBILITIES **Inspired Decisions, Limitless Possibilities**

The *ComparED website provides prospective students with relevant and transparent information about Australian higher education institutions from the perspective of current students and recent graduates*. So, with ComparED, students can explore and compare the quality of higher education institutions and study areas they are interested in, based on the experiences of others. The *ComparED* website allows students to compare specific institutions and/or study areas. The data available is sourced from the *Quality Indicators for Learning and Teaching ([QILT](#))* surveys.

Visit [ComparED](#) and explore and compare institutions and study areas based on real life student experiences.

Academic Excellence Scheme

From this year, the University of Sydney has introduced the *Academic Excellence Scheme* to recognise domestic students who achieve high performance in higher levels of English and mathematics by applying adjustment factors to boost their selection rank for eligible courses.

A student's ATAR will not change, however, their selection rank can increase for particular courses based on these subject-related adjustment factors.

Students considering studying at the University of Sydney in 2021 or beyond, are recommended to find out more at [Academic Excellence Scheme](#)

Snapshot of The University of Sydney in 2020

- Established in 1852, The University of Sydney is the oldest university in Australia
- Ranked in the top 100 universities globally - QS World Rankings, and listed as 3rd in Australia
- Ranks *#1* in Australia *for veterinary sciences, architecture/built environment,* and *law,* and #2 in Australia for *sports-related subjects* and *English language and literature*
- 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 270 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 to students
- There are over 200 university clubs and societies, so something for everyone

Cybersecurity Courses in Victoria in 2020

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

Although **Cybersecurity Education** is an American organisation, its website is well-worth a visit just to begin to grasp the broad range of careers in this field. Cybersecurity professionals are employed in all industries, and they work hard at ensuring computer data stays out of the wrong hands. Cybersecurity is taught at numerous universities in Victoria.

Cybersecurity is taught at a number of Victorian institutions – either as a course in its own right, or as a major in another courses. **Below is a list of some of these, and students are encouraged to browse VTAC for a comprehensive list of all courses available.**

INSTITUTION	COURSE NAME	VCE PREREQs	MAJOR STUDIES IN 2020
Box Hill Institute	Advanced Diploma of Cyber Security	n/a, but must complete Year 12	Cyber Security Policy and Planning, IOT device security, Incident response, Networking and Network Security, Penetration testing, Threat detection and mitigation.
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, Penetration testing, Privacy, Public-key cryptography, Security analytics, Security and management, Security and risk analysis, System and software vulnerabilities.
Holmesglen Institute	Cert IV in Cyber Security	n/a, but must complete Year 12	Collecting and analysing data to identify cyber threats and vulnerabilities, Cyber Security Industry Project, Cyber ethics and workplace legislation, Introduction to Pen Testing, Intrusion testing, Managing System Security, Network Security firewall configuration, Networking skills for Cyber Security, Programming skills for Cyber Security, Securing Websites, Security monitoring & Incident response, Working and communicating in a Cyber Security Operations Centre in an Organisation.
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.	Computer science, Cybersecurity Management, Information technology.
Monash University	Bachelor of Applied Data Science	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 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, Drugs and society, Earth and atmospheric sciences, 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.