



## Demand for 'soft skills' in future workplaces

The next ten years will see a shake-up of the mix of skills required by the Australian workforce, with workers needing to deepen their existing skill sets, or acquire new ones. Soft skills are becoming more important than ever. A recent Deloitte report found that soft skill intensive occupations will account for two-thirds of all jobs by 2030, compared to half of all jobs in 2000. You can download the report at this link - <https://bit.ly/2ITJbLL>

## Would you like to work with animals in the future?

Interested in working in a vet clinic as a nurse or a technologist? You may find the following two courses interesting:

**Bachelor of Veterinary Technology, Charles Sturt University, Wagga Wagga:** You can specialise in practice management, large animal technology, or clinical technology and you can study the course on campus or via distance. You will also complete the Certificate IV in Veterinary Nursing through Goulburn Ovens TAFE via distance, <http://bit.ly/1BCc1w4>

**Bachelor of Veterinary Nursing, La Trobe University:** This course is offered by La Trobe and delivered at Melbourne Polytechnic, Epping and is the first course of its kind in Australia. The course has a heavy focus on industry experience, <http://bit.ly/22jRuuA>

## Australian Defence Force (ADF) Careers Guide

Did you know that there are over 200 roles to choose from in the Army, Airforce and Navy? The ADF has developed a careers guide for students and parents that provide a concise overview of career and study options. You can download the guide here: <https://bit.ly/2O5kaGI>

To download other guides such as the recruitment process, fitness guidelines, and pay rates, go to <https://bit.ly/2oUDRpG>



## The most in demand jobs you've never heard of

Anna Patty has written an article looking at five in-demand jobs taken from an analysis of job titles on LinkedIn. The jobs are:

- Customer Success Manager
- Data Scientist
- Full Stack Engineer
- Cyber Security Expert
- Experience Designer (IT)

To read the article, go to <https://bit.ly/2wTuwmD>

## Interesting research report

**Cybersecurity careers** are in high demand. This is an excellent article about cybersecurity, study pathways, example job titles and salaries and key websites, <https://bit.ly/2IGRASK>

## Have you considered studying Robotics Engineering?

**Getting robots to do our dirty work:** Did you know that over 40% of jobs are at risk of automation? New careers are being created in robotics and mechatronic engineers are paving the way.

Mechatronic engineering is a combination of mechanical, electronic, computing and control engineering. Careers With STEM has written an excellent article about how robots are reshaping jobs and about mechanical engineering courses and key websites, <http://bit.ly/2wViaL7>

**Robotics at Deakin University:** Deakin offers Australia's first four-year Software Engineering course in Robotics and Smart Systems. Using the skills acquired throughout the course, graduates could be developing the next smart car, the next smart watch or a new form of artificial intelligence.

The course has been designed in response to industry demand for innovative software engineers capable of designing and developing complex software systems for the modern world. For information, go to <http://bit.ly/2cpCKJL>

## Do you love the outdoors?

Have you considered studying outdoor education or outdoor recreation? You can study outdoor recreation at TAFE institutes, private providers and via a traineeship at outdoor education centres such as Camp Coolamatong, Victoria and Outward Bound, NSW.

You can also study outdoor education and outdoor recreation at university. The following are examples of courses you can explore:

- **Victoria University**, Footscray Park: Bachelor of Outdoor Leadership, <https://bit.ly/2QlZukf>
- **La Trobe University**, Bendigo: Bachelor of Outdoor Education, Bachelor of Outdoor Recreation Education, Bachelor of Physical, Health & Outdoor Education, <https://bit.ly/2N1qoLr>
- **Australian Catholic University**, Melbourne: Bachelor of Sport & Outdoor Education, <https://bit.ly/2O4RvkW>
- **Federation University**, Ballarat and Gippsland campuses: Bachelor of Outdoor and Environmental Education, <https://bit.ly/2MiTCjA>
- **Charles Sturt University**, Albury-Wodonga: Bachelor of Outdoor Education, Bachelor of Applied Science (Outdoor Recreation & Ecotourism), <https://bit.ly/2Frkuyo>

For information on future job prospects for 'outdoor adventure guides, go to <https://bit.ly/2x1meYP>

For information on careers in outdoor education, outdoor recreation, bush adventure therapy, and nature tourism etc., in Victoria, check out the Outdoors Victoria website at <https://outdoorsvictoria.org.au/>

### La Trobe University Outdoor Education

**Camp:** "Experience what it's like to be an Outdoor and Environmental Education student through our September School Holiday Program. This 5-day program is available to current Year 10, 11 or 12 students.

You can select from two camps: either canoeing on the Murray River or, bushwalking and climbing at Kooyoora State Park. The cost per student is \$100 and includes food and most equipment. The program will run between 30 September – 4 October 2019, <https://bit.ly/2IRXJeR>



## Would you like to work at a zoo?

Werribee Open Range Zoo present a day of activities where you get to work alongside their Zoo Keepers. You will be able to: help with food preparation, assist with animal enrichment, listen to Keeper talks, do animal health checks and handle animals safely. Dates for the Keeper for a Day program are: 24 & 25 September and 2 October, <https://bit.ly/2krWwe8>



## La Trobe University Events

**Build your study skills webinars:** La Trobe's Peer Learning Advisers will share their tips to help VCE/HSC students prepare for exams. You'll learn how to develop a study timetable, take care of your health, and avoid procrastination. You can register for one of the free online webinars using the links below:

- 19 September, <https://bit.ly/2k4Onfc>
- 23 September, <https://bit.ly/2m8rh8f>

**Bendigo Campus Talk and Tours:** Students and families are able to book a personalised tour of the Bendigo campus and accommodation during the Term 3 holidays. This is a great opportunity to speak to advisers before finalising your VTAC preferences. For information on dates and to book, go to <https://bit.ly/2IFPMJQ>

**VCE Plus Information Evening:** for Year 10 and 11 students who would like to learn about the option of studying two university subjects during Year 12. Please speak to your school first to see if you are eligible to apply for this program. For information on dates and to book your place, go to <https://bit.ly/2maqqfZ>

## The Hotel School Melbourne

**The Hotel School Melbourne:** is running an information evening on Wednesday 25 September at the Melbourne campus, Level 3/399 Lonsdale Street, Melbourne. You will be able to find out about courses at the Hotel School, meet current students, get course advice and tour the facilities. Register at <https://bit.ly/2kpwzwl>

## Fashion at RMIT

RMIT have updated their suite of fashion courses. At the Bachelor level, students can study Fashion Design, Fashion Enterprise or Sustainable Innovation. To read about TAFE and university fashion courses at the Brunswick campus, go to <https://bit.ly/2q8PHxJ>

## The future of VET study

Rosie Clarke is the managing editor at Multimedia Pty Ltd. She recently published an excellent article about the future of VET (Vocational Education and Training).

Some of the key highlights of the article are:

By 2023, Australia will need approximately one million more workers (5.36 million) with certificate two, three or four qualifications than it will those with bachelor degrees or higher (4.42 million). (Source: Department of Jobs and Small Business).

There are critical skills shortages in many sectors, ranging from infrastructure to health care, cyber security to tourism and defence.

Traineeship and apprenticeship numbers have fallen to a 10-year low. The number of people starting traineeships and apprenticeships fell by 3.7 per cent in 2018.

The number of people completing a training course has fallen by 43.5 per cent compared to five years ago.

Among young people, there has generally been a low preference for the VET sector and consequently there is strong need for students to know more in order to understand what VET offers and to see it as a viable and beneficial study option leading to successful careers.

The following are example of industries are experiencing skill shortages:

An aviation report recently released by Australian Industry Standards forecast 240,000 new commercial pilots will be required in the next 20 years to meet the growing demand of aviation travel which is forecast to double with the greatest demand being in our region i.e. Asia Pacific region. It also cites that the Sydney Western Airport due to open in 2026 will create another 28,000 jobs.

Airbus has announced it requires another 240,000 technicians and maintenance workers globally over the next 15 years to just keep planes in the sky.

Health Care and Social Assistance is the largest and fastest growing industry in Australia and is projected to have the strongest employment growth of any industry over the five years to May 2022, supported by the implementation of the National Disability Insurance Scheme and Australia's ageing population.

By the year 2060, Australians aged 65 and over will account for one quarter of the population, one in six Australians aged 75 or more, and the 'very old' (over 80 years of age) will also become more numerous.

Moreover, personal care workers (PCWs) are reportedly older than the average age of workers in other fields, further exacerbating these problems.

These statistics indicate that there will be increased demands on the residential aged care workforce in the future and associated labour shortages given the consequent increases in demand for personal care worker services.

The top five occupations in this industry are registered nurses, aged and disabled carers, child carers, nursing support and personal care workers and receptionists.

Health Workforce Australia estimates that there will be a shortage of over 100,000 nurses by 2025 while an additional 10,000 more jobs are needed in childcare.

"In tourism, 1.3m Chinese visited Australia last year. Tourists from the US are also forecast to increase 57 per cent over the next five years," Mr Wexham said.

"Skills shortages in hospitality and tourism include chefs, hospitality staff, hotel porters, reception staff, tour operators, conferences and events".

To read the full article, go to <https://bit.ly/2kBFTfV>

## Interested in Engineering?

The following information has been written by Nathan Chanesman at 'My Career Match':



"Engineering is one of most exciting and in demand careers for young people to choose. Engineering is an occupation with extremely wide reach. The term 'engineering' covers many fields and, by extension, many skills.

Engineers are scientists, inventors, designers, builders and great thinkers. They improve the state of the world, amplify human capability and make people's lives safer and easier.

As technology continues to develop, the need for engineers, and the reward of being an engineer, increases too. Some of the most popular reasons to be become an engineer include:

**Personal Happiness:** This is a career that will keep you happy by providing great financial security, diversity, flexibility, prestige, intellectual development, challenges and personal satisfaction. The variety of ideas and finished projects keep the engineer's job interesting.

**Work with Smart People and Travel:** People who enjoy working with other people and travelling may become field service engineers. Creative people who constantly have new ideas about everything may enjoy working as design engineers. People who enjoy conducting experiments in laboratories.



**Become an Entrepreneur:** Engineering also lends itself nicely to entrepreneurial types. In fact, more engineers are CEO's of companies than any other undergraduate degree. Usually this is because they invent something and then form a company to market and sell it. Other engineers may form construction, environmental, or consulting firms because their knowledge is in high demand.

**Manage Companies:** Many engineers obtain higher degrees in business to become better managers and to receive a broader understanding of the inner workings of engineering companies. Many graduates work for financial companies; they may write software programs or construct financial models.

**Learn to Think:** One of the best reasons to choose engineering is because an engineering education teaches you how to think through a problem in order to solve it. Engineering teaches all these mental agility skills will help you solve problems for the rest of your life. You access several different approaches to solve a problem, and then it is up to you to show everyone how your solution meets the needs of the design.

**Make a Difference:** Engineering is one of the most humanistic fields. Engineering is about making life and the world a better place. The more you expose yourself to the world of engineering, the more opportunities you may have and the better prepared you will be to meet the challenges ahead.



You can sign up to receive newsletters and career articles from My Career Match at <https://bit.ly/2kBBw4o> and you can complete an online career and personality test at [www.mycareermatch.com.au/](http://www.mycareermatch.com.au/)

Download the Careers with STEM Engineering Magazine at this link - <https://bit.ly/2ks1Myo>

## The University of Melbourne – events

**Audition Preparation Workshops:** This is for Year 12 students who have applied for an Acting or Theatre degree to start in 2020 and have to undertake an audition. For dates and to book your place, go to <https://bit.ly/2XC8dwO>

**VCE Extension Evening:** for Year 10 and 11 students interested in learning about the Extension program offered through The University of Melbourne. Please check with your school first to ensure you are eligible to apply for the program. The event will be run on Wednesday 18 September, <https://bit.ly/2kscsgq>

**Dookie Open Day:** You will be able to learn about the courses offered at Dookie, tour the amazing facilities and learn about the importance of studying agriculture, food security and environmental sustainability. The event will be held on 22<sup>nd</sup> of September. For information and to book your place, go to <https://bit.ly/2m2nTeX>

## Dates for your diary

### SEPTEMBER

**17, 18: Advice Nights,** Swinburne University, Wantirna Campus (17), Hawthorn campus (18), Aviation (18), <https://bit.ly/2Kt0nAI>

**17 – 30: Defence Force Career Events,** Benalla Defence Force Careers Information Session (17), Melbourne, Air Force Careers Information Session (19), Melbourne, ADF Information Session (30), <https://bit.ly/2MpyMUj>

**18: Extension Program Information Evening,** The University of Melbourne, Parkville campus, <https://bit.ly/2Zozgfy>

**22: Dookie Day,** University of Melbourne, Dookie campus. For students interested in studying agriculture, <https://bit.ly/2Ka80LX>

**23: Careers Information Day,** Victorian Institute of Forensic Medicine, Melbourne, <https://bit.ly/2ltbSPs>

**24 - 26: Fashion Camp,** Kangan Institute, Richmond, <https://bit.ly/2Oqv9iF>

**24, 25: Meet Melbourne University,** Warragul (24), Mildura (25), <https://bit.ly/2ZmoRAM>

**26: High School Workshops,** JMC Academy, Melbourne, <https://bit.ly/2wrhdbQ>

### OCTOBER

**1 – 4: High School Workshops,** JMC Academy, Melbourne, <https://bit.ly/2wrhdbQ>

**20: Werribee Open Day,** University of Melbourne, Werribee campus. For students interested in studying Veterinary Science, <https://bit.ly/2KUusu0>