

Careers News

Thursday 19 September 2019

Dear Parent/Guardian

This is the last Careers Newsletter for Term 3. There are many events happening this month and in October, so please take the time with your daughter to read the information below.

- Demand for 'soft skills' in future workplaces
- Would you like to study Veterinary Nursing or Veterinary Technology?
- Australian Defence Force Careers Guide
- The most in-demand jobs you've never heard of
- Cybersecurity careers
- Software Engineering and Robotics
- Outdoor recreation courses and careers
- La Trobe University Outdoor Education Camp (Yr 10 – 12)
- Work as a Zoo Keeper for a day at Werribee Open Range Zoo
- La Trobe University – online study skills webinar for VCE/HSC students
- La Trobe University – Bendigo: book a campus talk and tour
- VCE Extension programs – La Trobe University and The University of Melbourne
- The Hotel School Melbourne – information evening
- Fashion courses at RMIT
- The future of VET study – skills shortages
- Careers in Engineering
- The University of Melbourne (UoM): audition preparation workshops (acting)
- UoM – Dookie Open Day
- Film making
- Monash University Engineering
- Career in Health at Monash University
- STEM
- Early closing dates for university courses
- Early Guaranteed Entry Schemes
- Changes to Health courses at La Trobe University
- News from Victoria University
- Passionate about IT
- Dates for your diary

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 your daughter 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>

Has your daughter 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>

Does your daughter love the outdoors?

Has she considered studying outdoor education or outdoor recreation? She 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.

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

- **Victoria University**, Footscray Park: Bachelor of Outdoor Leadership, <https://bit.ly/2QIzukf>
- **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 your daughter like to work at a zoo?

Werribee Open Range Zoo present a day of activities where she can get to work alongside their Zoo Keepers. She 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/2maqgfZ>

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/2kpzwfL>

Is your daughter interested in 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>

Is your daughter 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/

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 22nd of September. For information and to book your place, go to <https://bit.ly/2m2nTeX>

FlickerUp Film Competition

Is your daughter passionate about filmmaking? Flickerfest, Australia's largest and only Academy® Award accredited and BAFTA- recognised international short film festival, is now accepting entries from around Australia for the FlickerUp competition.

FlickerUp is Flickerfest's national youth short film competition. Short film entries are invited from primary and secondary school students or filmmakers under 18 years of age across Australia. For information about the initiative and to apply by Saturday 9 November, go to <http://flickerfest.com.au/>

Is engineering an option for your daughter?

Spark Night at Monash University is the Electrical and Computer Systems Engineering (ECSE) department's annual industry event and exhibition, celebrating the achievements of final year students and showcasing over 130 projects.

Interested secondary school students and parents are invited to come along and see the fantastic work the students have produced. The event will be held Wednesday 23 October 2019 at the Clayton campus, www.ecsespark.com

Your daughter can discover her career in health at Monash University

Explore your course and career options in the Faculty of Medicine, Nursing and Health Sciences through the 'Future Careers in Health' website, <https://bit.ly/2MCr7xj>

Is she interested in Engineering, Science and Maths?

You can download the following Careers with STEM magazines from this website - <https://bit.ly/2Os7gCR>

- Careers with STEM: Engineering
- Careers with STEM: Maths
- Careers with STEM: Science
- Careers with STEM: Economics
- Careers with STEM: Health
- Careers with Code

UNSW Coop Program

Applications for the UNSW Coop Scholarship for high achievers close on Monday 30 September. Students will need the endorsement of their school to be eligible to apply. The Scholarship is worth almost \$20,000 per year up to 4 years. For information and to apply, go to www.coop.unsw.edu.au

University applications – key closing dates (Yr 12)

COURSES – EARLY CLOSING DATES

The following courses have VTAC applications and in some cases supplementary forms or audition applications due by **Monday 30 September**.

Students will be unable to add the courses into their VTAC preference list after this date.

The University of Melbourne

- Fine Arts (Acting), Fine Arts (Design and Production), Fine Arts (Music Theatre), Fine Arts (Theatre), Fine Arts (Visual Arts).

- Music (Music Performance, Composition, Musicology or Ethnomusicology), Music (Jazz and Improvisation), Music (Interactive Composition), Music (Chancellor's Scholars).

Monash University

- Medicine (School Leaver Entry), Medicine (CSP Extended Rural Cohort School Leaver Entry), Medicine (CSP Bonded School Leaver Entry).

EARLY / GUARANTEED ENTRY SCHEMES

The following Early Entry programs close soon:

Friday 27 September

University of New England, Early Entry, <https://bit.ly/2JDGLYv>

Monday 30 September

Australian Catholic University

Passion for Business, <http://bit.ly/2beXyl2>

Passion for Law (closes – late September), <http://bit.ly/2ijFigP>

Victoria University, VU Guaranteed (selected schools): applications close Sunday 30 September, <https://bit.ly/2whSd6P>

Schools Recommendation Schemes – covers 12 institutes in NSW and Canberra, <https://bit.ly/2NtPIFJ>

Friday 11 October, 2019

Monash University, The Monash Guarantee, <http://bit.ly/2x5nwBC>

The University of Melbourne, Access Melbourne, <http://bit.ly/2gBAqPD>

RMIT, Schools Network Access Program (selected schools), <https://bit.ly/2vAPIvT>

Victoria University, VU Guaranteed (selected schools), <https://bit.ly/2whSd6P>

Changes to health courses at La Trobe University

For the 2020 and/or 2021 intake, the format of allied health courses at La Trobe will shift to a Bachelor with Honours (as opposed to Bachelor of Applied Science with Masters). Students will study their expertise sooner and be given relevant knowledge for safe clinical and professional practice. The following course areas will have changes from next year or 2021:

Dentistry	Dietetics
Occupational Therapy	Prosthetics & Orthotics
Physiotherapy	Podiatry

Orthoptics Social Work

Speech

Pathology

For information, go to <https://bit.ly/2kE5F3k>

News from Victoria University

New Speech Pathology degree: from 2020, VU will offer the dual Bachelor of Speech and Language Pathology/Master of Speech Pathology. This course will be taught in block mode, meaning subjects are studied sequentially not concurrently. This is the only degree of its kind to be taught this way in Australia, <https://bit.ly/2ITICmk>

Introducing 'Early Start': for selected courses, you may be able to start your studies in January. This will give you flexibility with your subjects and study plan throughout the year, <https://bit.ly/2IT4OvM>

New pathway to Paramedicine: if you're concerned you won't receive the ATAR for the Bachelor of Paramedicine at VU, you can undertake the following pathway:

1. Successfully complete the Certificate III in Non-Emergency Patient Transport at the St Albans campus. Start in February 2020. This will take one semester to complete, <https://bit.ly/2mIFM8R>
2. Apply for the Diploma of Paramedical Sciences for the 2020 mid-year intake. With credit from the Certificate III, this will take 6-months to complete, <https://bit.ly/2Fws8V7>
3. Pathway from the Diploma into second year of the Bachelor of Paramedicine at the start of 2021, <https://bit.ly/2s7VBB2>

Passionate about IT? Not ready for university study?

Microsoft IT Traineeships: Each year, an estimated 20,000 IT jobs are being created in Australia – with approximately 5,500 graduates coming from university.

That's why MEGT has partnered with Microsoft Australia to launch the Microsoft Traineeship Program, designed to help close the skill-gap and provide a new pathway to those looking to kickstart their IT career.

The program is an opportunity for school leavers to gain valuable (and paid!) on-the-job experience while working towards a nationally accredited qualification — a Certificate IV in Information Technology. Trainees will also gain some of the latest Microsoft certifications that are in high industry demand!

Over 24 months, trainees will be placed with a Host Employer in the Microsoft Australia network in the Melbourne area and learn while they earn. Trainees will complete the program with an innovative skillset of IT fundamentals AND industry experience, setting them up for a rewarding career in IT.

Applications are now open! For information, go to <https://bit.ly/2mfGYdH>

Dates for your diary

SEPTEMBER

19-30: Defence Force Career Events <https://bit.ly/2MpyMUj>

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>

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>

The Pathways Team