

Career News

Thursday 7 March 2019

Dear Parent/Guardian,

This week's newsletter includes information on the following:

- Focus on the Bachelor of Arts
- University scholarships for high achievers
- Have you considered a career in insurance?
- The challenge of artificial intelligence (AI)
- Interesting articles about the future of work
- Photography Studies College, Melbourne
- Take a virtual tour of the Australia National University College of Business and Economics
- First year support programs for high school students transitioning to university study
- Careers in Forensic Science
- Free online webinar - steps to an Australian Apprenticeship
- Focus on Data Science - Computer Science + Maths
- Career articles from Careers with STEM (Science, Technology, Engineering and Maths)
- Music, Creative Arts and Design career articles from The Footnotes website
- New STEM + Data Science careers magazine
- Defence Force Careers Events
- The University of Melbourne – George Hansen Scholarship (now open)
- Australia National University – Tuckwell Scholarship (open now)
- RMIT Trades Tours
- Victoria Polytechnic Trade Tours
- Webinar – Steps to an Australian apprenticeship
- RMIT Apprenticeships and Traineeships Facebook site
- Flight attendant – 12-month Cabin Crew in the Air Force (now open)
- Flight attendant training at William Angliss
- Focus on the Bachelor of Science
- Musculoskeletal Occupations (physiotherapy, osteopathy, chiropractic, myotherapy, podiatry)
- Interesting career articles
- Australian Defence Force Gap Year Program – now open
- Australia National University – applications now open
- TAFE to university pathways
- Get a head start on searching for university scholarships
- International Studies at Monash University
- Dates for your diary

FOCUS ON THE BACHELOR OF ARTS

Considering studying a Bachelor of Arts in the future? The Bachelor of Arts is an excellent choice of degree for students and one of the most popular choices in the country. The degree offers flexibility for students and majors/minors can cover areas such as science, economics, visual arts, IT, languages, humanities, media, communications, and design etc. The following are two excellent Bachelor of Arts programs to consider.

1) Bachelor of Arts (Professional), Swinburne University: This course offers 18 majors, 28 co-majors from other faculties and 42 minors. Students are guaranteed one-year of paid industry experience as part of the degree, and it will take 4-years full time to complete the course. Applicants will need to achieve an ATAR of approximately 80 to be considered for admission. This could rise for the 2020 intake, <http://bit.ly/1UTb3pZ>

2) Bachelor of Arts, Monash University: The Monash Arts Global Immersion Guarantee (GIG) is a ground-breaking new initiative – a guaranteed two-week overseas study experience for all first year Bachelor of Arts and Bachelor of Global Studies students, with the cost of airfares, accommodation and local travel covered as part of the program. This is the first initiative of its kind in Australia.

WHAT: Students will study the impact of the global movement of people and goods on environmental sustainability. They will:

- Work with partner organisations in areas like food and water security, conservation, urbanisation and eco-tourism
- Investigate the impact of regional economic sectors on the local environment, global supply chains and environmental sustainability
- Visit historical and cultural sites, as well as Monash-led programs in the destination country.

WHEN: The immersion experience runs between November and February as an intensive summer semester, and students will earn credit towards their degree.

WHO: Open to all students who have successfully completed one semester of their Bachelor of Arts or Bachelor of Global Studies single or double degree and are in good academic standing.

WHERE: Either Prato (Italy), Monash Malaysia, or Indonesia.

WHY: Spending time in another culture challenges students to broaden their thinking, inspires them to approach problems more creatively, and opens their eyes to different perspectives. These are all skills that are vital for students entering a globally focused workforce.

Offered as an intensive, focused, and funded program, the GIG is an accessible way for students to experience international learning as part of their degree.

For more information visit <http://bit.ly/2EV0q88>

Video about the Bachelor of Arts at Monash University - <http://bit.ly/2CotH9F>

UNI SCHOLARSHIPS – HIGH ACHIEVERS

The University of Melbourne – George Hansen Scholarship: If you are planning to study at The University of Melbourne in 2020, you should consider applying for the prestigious George Hansen Scholarship. Stage 1 applications open on the 1st of March and close on the 21st of March, <https://bit.ly/2IB4IDC>

Australia National University (ANU) – Tuckwell Scholarship: If you are planning to study at ANU in 2020, you should consider applying for the prestigious Tuckwell Scholarship. Stage 1 applications open on the 4th of March and close on the 28th of March, <https://bit.ly/2Sja5r7>

VOCATIONAL & HIGHER EDUCATION NEWS

Have you considered a career in insurance? As one of the biggest, most diverse industries in the world, insurance has more roles than you'd imagine – including ones that are perfect for you. Love numbers? You're needed. Love people? Insurance has roles for you. Analytical? A big thinker? A problem solver? Whatever you are, insurance has a job with your name on it. To learn about where a career in insurance can take you, check out the website 'Careers in Insurance' at this link - <http://bit.ly/2FaCbSZ>

The challenge of artificial intelligence (AI): AI will transform the way we work across all industries in the future. For example, more than 5 million jobs will disappear from manufacturing and customer service by 2020. Can apprenticeships help young people make a smooth transition to new jobs created by AI? According to the latest World Economic Forum it's believed they can. There are new jobs and skills to be learned, with employers driving the change. See examples at this link - <http://bit.ly/2HKuHo5>

Interesting articles about the future world of work:

- Eight futures of work: Scenarios and their implications, <http://bit.ly/2HOcJ3O>
- Towards a reskilling revolution: a future of jobs for all, <http://bit.ly/2osxLgp>

Passionate about photography? Photography Studies College is a private college located at Melbourne. The institute offers vocational and university level courses in photography and photoimaging. To learn about careers in photography and read about the awards their graduates have recently received, go to <http://bit.ly/2ETkpUX>

Interested in business? You can take a Virtual tour of the Australia National University College of Business and Economics building at this link - <http://bit.ly/2IZZu86>

Are you considering studying at a university after school? Did you know that many universities have programs in place to ensure that students feel connected during their first year? The following are examples of programs that universities are using to ensure that students find the transition from school to university easy:

- **Student Connect, University of Melbourne:** Every first year student will meet with a specialist Student Connect adviser who will assist the student to develop an action plan that incorporates goals that are tracked through the year, <http://bit.ly/2mjvI4e>
- **Federation University:** First year students can access a student mentor to support them in their first year of study. They can also join FedReady to assist them with the transition to university learning. Students can also join a study group through the PASS Program, <http://bit.ly/2IY8VF9>
- **Connect Volunteer, La Trobe University:** First year students can elect to join the Connect Volunteer program during orientation week. They will meet with a Connect Volunteer mentor, which is a later years student, several times over a period of 6 weeks in the first semester, <http://bit.ly/2ITsTRf>

Careers in Forensic Science: Victorian Institute of Forensic Medicine has put together information about careers in forensic science. You can access the information at this link - <https://bit.ly/2Eb7R7W>

Webinar - Steps to an Australian apprenticeship: This webinar will walk you through each of the Steps to an Australian Apprenticeship. We will explain what each of the steps cover, and show you how to find resources to help you or your clients in finding an apprenticeship or traineeship. Date: 21 March 2019, 2:00pm, location – online. Register at this link - <https://bit.ly/2SnbYmn>

FOCUS ON DATA SCIENCE (COMPUTER SCIENCE + MATHS)

Do you love working with computers, science and solving problems? Have you considered studying data science? In our day and age we are using and storing massive amounts of data and this will only increase in the future. Data science fundamentally deals with how we will store and analyse data in the future.

The following has been taken from the Swinburne University website: “Data science is an opportunity to explore new kinds of data and new tools for processing it. You’ll learn how to manipulate and process data in order to extract information and establish truths. Data science spans the use and processing of data across diverse fields, including modelling for supercomputing or astrophysics. Or you could work with metadata, a field that will require data to be processed in ways we’ve never even considered”.

Data Science is an exciting study area and there will be many jobs available in the future.

You may consider studying data science at the following Victorian universities

- Bachelor of Computer Science (Data Science), Swinburne University, <http://bit.ly/1Wmeaa1>
- Bachelor of Computer Science (Big Data), RMIT, <http://bit.ly/1QC3X56>
- Bachelor of Computer Science (major in Data Science), Monash University, <http://bit.ly/1Srck9t>

- Bachelor of Science (Data Science), University of Melbourne, <http://bit.ly/2Ha3j2n>
- Bachelor of Data Science & Decisions, UNSW, Sydney, <http://bit.ly/2iAUySL>
- Bachelor of Computer Science (Big Data), University of Wollongong, <http://bit.ly/2EhT1vb>
- Bachelor of Information Technology (Big Data and Analytics), Federation University, <http://bit.ly/2EBXoVw>

To explore career options, go to the Careers with STEM website, <https://careerswithstem.com.au/>

INTERESTING CAREER ARTICLES

Career articles from Careers with STEM (Science, Technology, Engineering and Maths)

- **How to choose an undergraduate degree when you're unsure,** <http://bit.ly/2E0X7b8>
- **Nuclear research is changing the face of medicine:** Postgraduate researcher at ANSTO, Mitch Klenner never thought he'd be working in nuclear medicine. Now, it's his passion; through trial-and-error he's paving the way for nuclear medicines to detect and eradicate disease, <http://bit.ly/2s1SAn2>
- **How can you help with health?** Health careers don't have to be confined to the hospital. Tell us a bit about yourself, and we'll find the perfect health career for you! <http://bit.ly/2s66cOj>
- **Mythbusting jobs - Forensic Scientist:** Some jobs are shrouded in mystery, or eclipsed by stereotypes. We're breaking down what it's like to be a forensic scientist, and it's nothing like CSI, <http://bit.ly/2GLcBSe>

Music, Creative Arts and Design career articles from The Footnotes website:

- On the phone with a musician
- On the phone with a magazine art-director
- Is drama school right for you?
- Do you want to be a signer or producer? Comparing TAFE versus a private college
- Real estate photography
- Quick Q&A with Design Manager at Ford
- Advice on being a successful jewellery designer
- UX/UI design was the most popular job in 2018, but what is it?
- What does a video producer do?

- Six lessons for finding success in the creative world told by six of the best
- What is an interior designer?
- 9 hours of drama school and the audition process

To read the articles, go to <http://bit.ly/2EDi3oT>

NEW STEM + DATA SCIENCE MAGAZINE

Exciting news! Refraction Media has just released the new the double edition Careers with Science & Data Science magazine. Careers with Science & Data Science not only shows you how to get a job you'll enjoy, but also one that allows you move quickly from one field of expertise to the next, helping to solve some of society's major challenges along the way. Careers With STEM call it STEM + X – where 'X' is your passion, hobby, another field of interest or even a world-changing goal.

Your 'X' could be anything. For example, health + music could lead to a new therapy that lowers patients' stress levels. Or astronomy + film could lead you to create amazing planetarium shows. Computer science + maths could lead to new ways of visualising research, using 3D immersive data display or virtual reality tools. Careers with Science & Data Science includes real-life reads and information about courses in science and data science fields, plus job and salary data. To read the magazine, go to <http://bit.ly/2IL1DCI>

DEFENCE FORCE CAREERS EVENTS

Defence Force Recruiting will be running the following career information sessions in March:

- 12: Melbourne – Trades in the Australian Defence Force Information Session
- 13: Melbourne - Defence Force Careers Information Session
- 21: Melbourne - Engineering Careers Information Session
- 27: Melbourne – Commando Information Session

For information on locations and to RSVP your place, go to <https://bit.ly/2NoZZ76>

UNI SCHOLARSHIPS – HIGH ACHIEVERS

The University of Melbourne – George Hansen Scholarship: If you are planning to study at The University of Melbourne in 2020, you should consider applying for the prestigious George Hansen Scholarship. Stage 1 applications are now open and close on the 21st of March, <https://bit.ly/2IB4IDC>

Australia National University (ANU) – Tuckwell Scholarship: If you are planning to study at ANU in 2020, you should consider applying for the prestigious Tuckwell Scholarship. Stage 1 applications are now open and close on the 28th of March, <https://bit.ly/2Sja5r7>

APPRENTICESHIPS, TRAINEESHIPS, TAFE

RMIT Trades Tours: Students interested in finding out more about how to start a career in the trades are invited to come along on a free tour of RMIT's trades spaces with one of their expert guides. Tours are a great opportunity to:

- Explore mock construction sites
- Learn about the different study options and pathways
- Experience specialised facilities including refrigeration CO2 labs and plumbing pits

Tours are run every Thursday between 10.00am – 11.30am by appointment at the City campus. For information and to register your place, go to <http://bit.ly/2FaH5jE>

Webinar - Steps to an Australian apprenticeship: This webinar will walk you through each of the steps to an Australian Apprenticeship and how to find resources to help you find an apprenticeship or traineeship. Date: 21 March 2019, 2:00pm, location – online. Register at this link - <https://bit.ly/2SnbYmn>

Victoria Polytechnic Trades Tours: Every Wednesday, the Sunshine campus host an information session and tour of the trades facilities. You'll learn how to launch your career in carpentry, plumbing, bricklaying, electrotechnology and more trades.

This is a great opportunity to ask questions about the trades courses on offer and meet future teachers. For information and to secure your place on the next tour, go to <https://bit.ly/2GV0XaJ>

RMIT Apprenticeships and Traineeships on Facebook: Keep up to date with industry news, trade careers, and pre-apprenticeship courses at RMIT by joining their Facebook page- <https://bit.ly/2tObITF>

Interested in being a flight attendant? Did you know that you can apply for the Air Force Cabin Crew position as part of the Australian Defence Force Gap Year Program? If successful, you will “provide safety, comfort, and in-flight service to passengers and crew on board specialised aircraft, whilst enjoying a fulfilling 12-month taste of life in the Air Force”. Applications are now open. For information and to register your interest, go to <https://bit.ly/2uW1hzi>

Flight Attendant – William Angliss: If you don't want to join the Air Force for 12-months, you could consider studying the Certificate III in Flight Operations (Cabin Crew) at William Angliss, Melbourne, <https://bit.ly/2Hasrso>

It is advisable to check the job entry requirements for different airlines as you may need to meet requirements such as height, fitness and level of education. Having a background in a customer service job is highly desirable (e.g., retail or hospitality), as well as being able to speak a second language.

BACHELOR OF SCIENCE

Considering studying a Bachelor of Science in the future? The Bachelor of Science is an excellent choice of degree for students and one of the most popular choices in the country. The following are three Bachelor of Science programs to consider.

1) Swinburne University, Bachelor of Science (Professional): This course offers 6 majors, and 9 minors. Students are guaranteed one-year of paid industry experience as part of the degree, extending the time it takes to complete the course by one-year. Applicants will need to achieve an ATAR of approximately 80 to be considered for admission, and this could rise for the 2020 intake, <http://bit.ly/2oGSaOO>

2) Deakin University, Bachelor of Science (Global Science and Technology Program): The Bachelor of Science offers a choice of 13 majors. Student who achieve an ATAR of 80+ are eligible to apply for the Global Science and Technology Program. This program enables students to experience science outside of the classroom by undertaking global study options, <http://bit.ly/2oIVl6S>

3) Monash University, Bachelor of Science: This course offers a choice of 27 extended majors, majors and minors. Students can build their graduate employability skills through the following options:

- **Science Schools Project** – students are placed in teams in a school environment where they teach science to school students. This immersive experience develops highly transferable skills including communication, project and time management and team-work.
- **Science Industry Placement Unit** – this credit unit enables students to undertake a science-based industry placement of at least 80hrs. Students have the opportunity to put into practice the knowledge and skills developed in their course.
- **Career Skills for Scientists** – this unit uses work-related activities to enhance transferable skills including commercial awareness, leadership, teamwork and communication. Through scenarios and creative problem-solving activities, students learn about the business environment. Course information, <http://bit.ly/2FcKR84>

MUSCULOSKELETAL OCCUPATIONS

Do you love health and science and would like to diagnose and treat musculoskeletal issues? You may consider exploring the following occupations (the following are courses in Victoria):

Osteopathy: You can study osteopathy at:

- RMIT, <http://bit.ly/2an8mBb>
- Victoria University, <http://bit.ly/2anuNQp>

Chiropractic: You can study chiropractic at:

- RMIT, <http://bit.ly/2aegMEX>

Myotherapy: You can study myotherapy at:

- Southern School of Natural Therapies, <http://bit.ly/2IQzHfm>
- Endeavour College of Natural Health, <http://bit.ly/2mtKmjM>

Physiotherapy: You can study physiotherapy at:

- La Trobe University, <http://bit.ly/1KYy9XY>
- Australian Catholic University, <http://bit.ly/23UACtx>
- Charles Sturt University: <http://bit.ly/1MNIxVs>
- Monash University: <http://bit.ly/2fkjoFM>
- University of Melbourne: <https://bit.ly/2Tr3GhV>
- Australian Catholic University: <https://bit.ly/2HdYV58>

Podiatry: You can study podiatry at:

- La Trobe University, <http://bit.ly/1P8ko9J>
- Charles Sturt University: <http://bit.ly/1KRKR4i>

Massage, Remedial Massage and Myotherapy: you can undertake vocational courses at most TAFE institutes.

You may also like to explore **Prosthetics and Orthotics** as a career.

You can study the Bachelor of Applied Science/Master of Clinical Prosthetics and Orthotics at La Trobe University, Bundoora, <http://bit.ly/2mtHtPM>

INTERESTING CAREER ARTICLES

Career articles from **Careers With STEM (Science, Technology, Engineering and Maths)**

- **A-Z of STEM Careers:** everything from Astrophysicist to Zoologist, <https://bit.ly/2HcvmRI>
- **Australia's top 10 STEM employers for graduates** – as ranked by graduates themselves. See the list here - <https://bit.ly/2GV0qFN>
- **Biosecurity crusader:** Emma went from ecology student to Project Officer at Biosecurity Queensland. Find out how she helps preserve plant biosecurity and her work on other important policy initiatives, <https://bit.ly/2XlrqO6>
- **Edu-tech guru:** evolutionary biologist Michael Kasumovic juggles research and teaching at UNSW with heading his start-up Arludo: an app which uses augmented reality to immerse students in the world of evolution, <https://bit.ly/2GV4ISZ>

- **Chemist to consultant:** Emma Gin switched from organic chemistry researcher to technology consultant and hasn't looked back, <https://bit.ly/2SDg2z9>
- **7 paths to computer science careers:** from horse paddocks to high-rise apartments, there are many ways to plug into coding, <https://bit.ly/2TuJ7kM>
- **Be a front runner in your favourite sports with sports science jobs:** athletes and sports teams know it's good to have maths and computer science in their corner, <https://bit.ly/2tN2Opq>

The article was written by Nathan Chanesman, My Career Match, <https://bit.ly/2ThNujR>

Where are all the STEM jobs... it's not where you think: The (manufacturing) industry continues to employ a significant number of Australians with jobs created in new technology, environment, food and health, composite materials and defence, all requiring STEM skills.

Today 885,000 work in manufacturing making it the 6th largest employer in the country. Australia's advanced manufacturers are transformative companies. They are securing their own futures, creating jobs, and helping to underpin a sustainable Australian economy. See www.aamc.org.au/showcase/

Here are just a few Australian businesses who represent amazing creativity, innovation and engineering in Australia's manufacturing industry. These and many others like them will provide employment opportunities for STEM graduates.

- Tradiebot Industries: Using Augmented and Virtual Reality Technologies to Train Automotive Workforce, <https://tradiebot.com/>
- Carbon Revolution: Geelong based manufacturer supplies carbon wheel rims to Ferrari, www.carbonrev.com
- Quickstep: is at the forefront of advanced composites manufacturing and technology development for the global market, www.quickstep.com.au
- One Atmosphere: builds post-crash buoyancy system offering safety and survivability for military and civilian helicopters operating over water, <http://oneatmosphere.com.au/>
- BlueZone Group: supplies quality subsea equipment and services to the Oceanographic, Defence, Offshore Oil & Gas and Renewable Energy sectors, www.bluezonegroup.com.au
- Codan Limited: is an Adelaide based manufacturer and supplier of communications, metal detection, and mining technology, <https://codan.com.au/>

VOCATIONAL & HIGHER EDUCATION NEWS

Australia Defence Force Gap Year Program – applications now open: Current Year 12 students can apply for a 12-month position in the Air Force, Army or the Navy. To explore the positions available and to apply, go to <https://bit.ly/2uW1hzi>

Australia National University (ANU) – applications now open: Current Year 12 students planning to study at ANU in 2020 are now able to complete their application for courses, scholarships and accommodation. Applications close 31 May 2019. For information on the admissions process and key dates, go to <https://bit.ly/2TrDGD9>

TAFE to university pathways: did you know many TAFE institutes have partnerships with universities? This enables students to complete eligible TAFE courses and be accepted into eligible university courses – in some cases with credit. As an example, Kangan Institute has partnerships with Charles Sturt University, La Trobe University, Victoria University and Federation University, <https://bit.ly/2gWD5qe>
Contact your local TAFE institute to find out more, <https://bit.ly/2yG6vzc>

Get a head start on searching for university scholarships: If you are considering studying at university in the future, it is advisable to search for scholarships and apply for any you believe you are eligible for. The Good Universities Guide has a dedicated scholarship page on their website and a search function. The scholarships haven't been updated for the 2020 intake, but you can start familiarising yourself with the site and recording scholarships you can check on later in the year, <https://bit.ly/2upv1oW>

The International Studies major at Monash University offers an interdisciplinary focus on globalisation with four new thematic streams. Once completing the core units, students can focus on one stream or take a mixture of units to complete their Arts major (8 units), <https://bit.ly/2GUUdtq> or Global Studies Specialisation (12 units including an overseas component), <https://bit.ly/2lQWkQK> -

- Global Health & Disease Environment
- Cities & Sustainability Crisis
- Conflict & Disaster Commerce
- Technology & Consumption.

Many overseas study opportunities are also available.

DATES FOR YOUR DIARY

MARCH

- **5 – 27: Defence Force Careers Events, Victoria**, <https://bit.ly/2NoZZ76>
- **12, 14: Meet Melbourne**, University of Melbourne. Online information sessions, <https://bit.ly/2S7X2Zn>
- **19: Monash University Information Evening**, Mildura, <https://bit.ly/2pt8nsT>
- **21: Steps to an Australian Apprenticeship**, Australian Apprenticeships and Traineeships Information Service, online webinar, <https://bit.ly/2SnbYmn>
- **27: Inside Monash Seminar**, Monash University, Clayton, Business, <http://bit.ly/2ki2NYw>

APRIL

- **3 - 30: Inside Monash Seminars**, Monash University, MD & Biomedical Science (3), Science (4), Criminology (30), Law (30), <http://bit.ly/2ki2NYw>
- **12: Experience Clever Day, La Trobe University**, Melbourne campus, <http://bit.ly/2p07y7b>
- **12: A Day at Melbourne**, University of Melbourne, Parkville. Information to be released, <https://bit.ly/2tqoveP>
- **15, 16: Explore Day**, Charles Sturt University, Veterinary Science, Animal Science etc., Wagga Wagga, <https://bit.ly/2GmQV1b>
- **18: Simulated UCAT Day**, NIE, Adara Richmond, <https://bit.ly/2UY8SHx>
- **27: Nursing Careers Expo**, Australian College of Nursing, Melbourne, <https://bit.ly/2lw332H>