

## From the Head of Careers



At a recent seminar, keynote speaker – Futurist Bernard Salt, delivered a thought-provoking overview of where the world will be and how our students in Australia will fit into that world of work in 2020/2030 and beyond. As a futurist he 'uses demographic and social change to interpret how society and business might evolve.'

He ascertains, that compared with the USA, Australia as a nation is not innovative or entrepreneurial enough. He believes that as a society, we need to be cultivating entrepreneurship and innovation in our students to give them the ability to use their technical skills from their training, to develop dynamic and innovative businesses that will be needed in the future.

He also suggests that a generation of relative prosperity in Australia (since the early '90s) has created a culture of aspiration and entitlement in our young adults (Generation Y) and that this generation will require a different approach by businesses to integrate them into the workforce.

Whether we agree or not, it does raise questions about where and how our students will be placed in the job market of the future both here in Australia and overseas.

He presented four main points that as a nation, educators and parents we could consider; he suggests we need to:

- Build a culture of entrepreneurship to create jobs of the future;
- Develop a workforce that embraces change allowing opportunities to learn new skills and create new relationships;
- Change the way we validate human endeavour through recognition as well as remuneration;
- Shift our thinking (as a nation and individually) to how we can make a contribution... 'what can I do to build stronger communities?'

It is always refreshing to be presented with new ways to look at our world and the future – some predictions are just that, but by provoking discussion and awareness, we are able to explore more fully the options available to us and the choices we can make.

**Mrs Deb Cumming**  
**Head of Careers**



## FOCUS ON SPORT CAREERS

**Sports Physiotherapists:** Are qualified physiotherapists who have undertaken further specialised training and education. They assess and diagnose sports related injuries and develop a treatment plan, which may include hands-on therapies and exercise plans.

**Where can I study undergraduate physiotherapy in Victoria?**

- **Monash University**, Bachelor of Physiotherapy (Honours), <http://bit.ly/1UbqXPB>
- **La Trobe University**, Bachelor of Applied Science/Master of Physiotherapy Practice, <http://bit.ly/1KYy9XY>
- **Charles Sturt University**, Bachelor of Physiotherapy, <http://bit.ly/1MNIxVs>
- **Australian Catholic University**, Bachelor of Physiotherapy, <http://bit.ly/23UACtx>

**If you are concerned you won't achieve the ATAR** to gain entry into an undergraduate program, you can study graduate entry physiotherapy in Victoria at:

- **University of Melbourne**, Doctor of Physiotherapy, three year program.
- **La Trobe University**, Master of Physiotherapy Practice, Melbourne and Bendigo, two year program.

You will need to complete an undergraduate degree in an area such as exercise science, biomedical science or general science. You should pick a degree that will have subjects in human anatomy and physiology.

There are two ways to become a fully qualified sports physiotherapist, via an academic pathway or an experiential pathway. For information, go to, [www.physiotherapy.asn.au/](http://www.physiotherapy.asn.au/)

## FOCUS ON SPORT CAREERS

**Clinical Exercise Physiologists:** Develop exercise plans and services for people living with or being at risk of illnesses such as cancer, mental illness, cardiovascular disease, neuromuscular/neurological disease, respiratory disease, chronic pain and musculoskeletal pain.

**From Exercise and Sports Science Australia (ESSA):** Exercise Physiologists are the most qualified health professional to prescribe exercise for people with chronic disease.



Video about clinical exercise physiology developed by Deakin University, <http://bit.ly/1TvZuWz>

**How do I become qualified in Victoria?**

- You must first complete an ESSA approved undergraduate degree.



- You must then complete an ESSA approved Graduate Diploma or Master of Clinical Exercise Physiology, meet all of the required knowledge and skills criteria and have completed the required 500 hours of approved practicum, as outlined by ESSA.

For a list of approved courses and courses pending accreditation, go to, <http://bit.ly/2qfCvaU>



## FOCUS ON SPORT CAREERS

**Sport Management:** Is for students who have an interest in both sport and business (including management, marketing, elite athlete management, events, facilities management, tourism, accounting etc). Different institutions offer different majors or specialisations, so make sure you do your research.

**Sports Engineers:** Design and develop sports equipment and apparel, design products and develop solutions to enhance the performance of athletes and are at the forefront of designing new sports technologies for elite athletes. Students typically study human movement sciences and electronic, mechanical and software engineering.

**Sport and Recreation Management:** Students can typically specialise in areas such as outdoor recreation, recreation management, tourism, facilities management, policy development and events management.

**Sports Development:** Students learn how to promote sport in the community and increase the level of participation in sports for different cohorts such as young people and people with disabilities. Sports development officers create new and innovative sports programs or work for existing organisations to run their programs in the community (for example Auskick).

**Sports Journalists:** Undertake research on sporting events and issues and report on them via various media mediums (for example print, broadcast, radio). Students generally have to complete a journalism degree with a sports specialisation within the degree, or as a graduate program.

Other sports careers include Sports Psychology, Exercise Rehabilitation, Sports Coaching, Physical Education Teaching, Fitness and Personal Training, and Sports Science.



To search for sports related courses and university prerequisites, search the Good Universities Guide course finder at, <http://bit.ly/1N6a3Pk>

Or the Victorian Tertiary Admission Centre (VTAC) archived search at, [www.vtac.edu.au/](http://www.vtac.edu.au/)

## FOCUS ON GLOBAL COURSES

**Are you eager to learn about other countries and cultures?** If you want to undertake a university degree with a truly global focus, the following courses may suit you:

- **Bachelor of Global Studies, Australian Catholic University:** You will undertake a semester of studies overseas in the third year of your degree and combine the degree with either Arts, Business Administration, Theology, Law, or Applied Public Health, <http://bit.ly/1WAUKLE>
- **Bachelor of Global Studies, Monash University:** You will spend between one to three semesters on overseas exchange at an international Monash Campus or partner university. You can combine the degree with Commerce, Law or Science or complete it as a single degree, <http://bit.ly/1ZVprQs>
- **Bachelor of Asia Pacific Studies (Year in Asia), Australian National University:** You will undertake a major or minor in one of 13 Asia-Pacific languages and undertake a year of studies overseas at an Asia-Pacific partner university, <http://tinyurl.com/ljnvf3u>
- **Bachelor of European Studies, Australian National University:** You will undertake a major or minor in one of six European languages and undertake a semester of studies overseas at a European partner university, <http://tinyurl.com/tnhkhf>
- **Bachelor of International Studies, Deakin University:** You can undertake a professional internship with an international organisation overseas or in Australia, study an in country language program, and/or complete a global student exchange, <http://bit.ly/2qiXFEV>
- **Bachelor of International Business, RMIT:** You can undertake two to three week study tours to Europe, North America or Asia, undertake part of your degree at RMIT's Vietnam Campus, complete a language major, and/or undertake a semester of exchange at an overseas partner university, <http://tinyurl.com/lxxpfhw>



## VOCATIONAL AND HIGHER EDUCATION NEWS

**Pixel Prize Photography Competition:** This competition is run by Australian Catholic University and aims to encourage the use of photography as a tool to communicate valuable messages to society. The theme for this year's competition is 'Empathy'. Entries will open on 3 July and close on 15 September, with prizes to be awarded across four categories at the exhibition's opening in Melbourne on 16 November 2017. For information, go to, <http://bit.ly/2pOcaWH>

**Are you applying for an Art or Design course at Monash University?** From 2018 entry requirements for the following courses have changed:

- Bachelor of Visual Arts
- Bachelor of Art History and Curating
- Bachelor of Communication Design
- Bachelor of Industrial Design
- Bachelor of Architectural Design
- Bachelor of Interior Architecture

Students will no longer have to prepare a folio, complete a pre-selection activity, or participate in an interview. Admission will be based on ATAR only. Please call MADA Student Services with any questions 03 9903 1517 or email, [mada@monash.edu.au](mailto:mada@monash.edu.au)

**Law Admission Test (LAT) now open for UNSW:** If you are considering studying a Law program at UNSW you will need to sit the LAT. You will first need to register for the LAT by Friday 11 August via the ACER website then sit the test on Tuesday 26 September. For information on the process and law courses at UNSW, go to, <http://bit.ly/2qmr2V9>

**Robertson Scholars Leadership Program:** Each year, talented Australian students are selected to complete an undergraduate degree at either Duke University or the University of Northern Carolina, both in the USA. The program seeks to assist students who have demonstrated passion and potential to become great leaders in college and beyond. The scholarship is worth \$200,000 and is organised through UNSW. For more information and to apply, go to, <http://bit.ly/2qjpc95>



## VOCATIONAL AND HIGHER EDUCATION NEWS

**Have you considered teaching Mathematics at secondary school?** Mathematics has been identified as a key teaching area in high demand, offering strong employment opportunities and career prospects for graduates. Two ways you can become a mathematics teacher is as follows:

1. Complete an undergraduate teaching or a combined teaching degree with a Maths discipline major. This pathway generally takes four years to complete. The following are three examples of undergraduate courses you can study in Victoria:

- **Australian Catholic University:** Bachelor of Teaching/Bachelor of Arts (Mathematics), Melbourne, <http://bit.ly/2qjq1iG>
- **Federation University:** Bachelor of Mathematical Sciences/Bachelor of Education, Ballarat, <http://bit.ly/2rhsacP>
- **Deakin University:** Bachelor of Teaching (Science)/Bachelor of Science, Melbourne campus, <http://bit.ly/2qI3DRc>

2. Complete a Bachelor degree with a major in Mathematics and an approved Master of Secondary Teaching. This pathway generally takes four to five years to complete. The following are three examples of courses in Victoria:

- **RMIT:** Bachelor of Science (Mathematics), <http://bit.ly/2qiUqNC> > approved Master of Secondary Teaching.
- **University of Melbourne:** Bachelor of Science (Mathematics and Statistics major), <http://bit.ly/1PLXJyP> > approved Master of Secondary Teaching.
- **La Trobe University:** Bachelor of Science (Mathematics major), Melbourne Campus, <http://bit.ly/1TzcVWZ> > approved Master of Secondary Teaching.

To search for all courses, use the Good Universities Guide course search function at, <http://bit.ly/2kIbTQa>



## UPCOMING EVENTS

**RMIT Experience Days:** These events provide a fantastic opportunity for you to experience life as a RMIT student for a day and to explore the courses you are interested in. Dates for July are listed below.

Business	3
Science	4
Engineering	5
Health and Biomedical Sciences	5
Design	5
Marketing, Public Relations, Advertising	6

To book your place, go to, <http://bit.ly/2qRca05>

**Australian Catholic University Experience Days:** University Experience is a hands-on event where you will participate in a range of activities related to the course area of your choice. A large range of workshops will be available and a parent session will also be running. The following are dates the events will be running:

- Melbourne Campus, Tuesday 4 July
- Ballarat Campus, Tuesday 11 July

Registrations will open on Monday 22 May at the following link, <http://bit.ly/2pb23CK>

**DeakinInspire Day:** Deakin University is running full day events at the Melbourne and Geelong campuses designed for Years 10 to 12 students to learn more about Deakin courses and programs. At the event, you will:

- Hear innovative, entrepreneurial and creative stories from Deakin students, alumni and teachers.
- Choose to attend two workshops from a multitude of energising workshops.
- Learn how to stand out from the crowd and get ready for the jobs of tomorrow.

Dates are as follows:

- Melbourne Burwood Campus, Tuesday 4 July
- Geelong Waurn Ponds, Thursday 6 July

For information on the venues, speakers, workshops and to register your place, go to, <http://bit.ly/2r0rbh5>

## MSRF Foundation Scholarships

This scholarship consists of three elements: financial support, mentoring and leadership, and development.

Open to rural Victorian Year 12 students who plan to attend university after they complete secondary school.

Selection criteria include: Demonstrated leadership capacity/potential, financial need, desire to return to rural Victoria after graduation, community service and academic ability. Applications are now open.

Online application process, go to website for details.



## VOCATIONAL AND HIGHER EDUCATION NEWS

**If you are interested in pursuing a trade or further technical study in the future?** You probably have a passion for hands-on learning, are interested in how things work, take pride in the end result of a project and have excellent communication skills.

Trades and skilled work cover occupations in industries such as building and construction, transport and logistics, hospitality, community services, automotive, metals and engineering, rural and farming, and mining and manufacturing to name a few. You can study at TAFE and/or university and in many areas you can complete your qualification/s through a traineeship, apprenticeship or cadetship.

### Websites to explore:

**Skillsone:** Videos about different trade occupations, [www.skillsone.com.au](http://www.skillsone.com.au)

**Australian Apprenticeships Pathways:** Explore apprenticeship pathway charts and undertake practice aptitude tests, <http://bit.ly/1Vg6hFv>

**The Good Careers Guide:** This website features information on over 400 occupations. You can search alphabetically or via work type, <http://bit.ly/1Wcdf65>

**Food and Fibre:** [www.careerharvest.com.au/](http://www.careerharvest.com.au/)

**Transport and Logistics:** [www.the-linc.com.au/](http://www.the-linc.com.au/)

**Bricklaying:** <http://tinyurl.com/kgtyeyt>

**Construction:** <http://tinyurl.com/lc6df65>

**Plumbing:** <http://tinyurl.com/lvlef7y>

**Defence Jobs:** [www.defencejobs.gov.au](http://www.defencejobs.gov.au)

**My Skills:** <http://bit.ly/1D8uek7>

## VOCATIONAL AND HIGHER EDUCATION NEWS

**Do you need a White Card?** If you would like to undertake work experience or work in the Construction Industry, you will need to complete occupational health and safety induction training. To prepare for this, you can undertake the 'White Card Game'.

Through an online first person perspective, the goal of the game is to identify, control and report workplace hazards on a construction site without getting injured or causing the death of workmates. Go to, [www.whitecardgame.com.au/](http://www.whitecardgame.com.au/)

**Urban Futures Competition:** With Melbourne's population moving beyond four million, significant challenges and opportunities exist for planning, designing and managing our cities. Win up to \$500 by coming up with the best idea to help tackle the challenges our cities face today and in the future.

Your task is to provide a photo or image to communicate an urban problem you have identified, and explain the problem and your ideas for a solution in 200 to 300 words. You must be in Years 10 to 12 and all entries must be in by Sunday 27 August. For information on the competition and how you can enter, go to, <http://tinyurl.com/knbumu6>

**The Heywire Competition:** Is open to people aged 16 to 22 year of age, to submit a story about life in regional Australia. Your story can be created in any form of media: text, video, photography, or audio. If you are selected as one of the winners, your story will be featured on ABC Local Radio, ABC Radio National, ABC TV and abc.net. Entries close 16 September, [www.abc.net.au/heywire](http://www.abc.net.au/heywire)



Be heard on the ABC!



Win a trip to the Heywire Summit!



Make a difference!

## UNIVERSITY EARLY ENTRY PROGRAMS

**Early Achievers Program at Australian Catholic University (ACU):** This is an early entry program that takes into account factors other than just your ATAR for admission into courses. Factors include evidence of community service, leadership and school participation etc. If you are accepted into the program, you will be guaranteed entry into the degree of your choice with a minimum ATAR, providing you meet prerequisites. The following are the minimum ATARs for the 2018 intake:

- 70: Law and all dual Law degrees
- 70: Physiotherapy (subject to change)
- 65: Occupational Therapy, Speech Pathology and Paramedicine
- 58.5: all other degrees.

Applications are now open and close Monday 17 July, <http://bit.ly/2kPLY2t>

**Direct Early Entry Program at University of New England:** Applications are now open for this early entry program. Selection is based on the recommendation from the applicant's school, not their final ATAR. The program is free, fully online and students can start their university application now. For a list of eligible courses and application information, go to, <http://bit.ly/2aqFGGu>

**Aspire Early Admissions Program, La Trobe University:** Applications for the Aspire Program open on Thursday 1 June and Year 12 students are encouraged to apply if they would like to study at La Trobe in 2018 or defer their studies until 2019. The program recognises community service and leadership and guarantees successful applicants entry into La Trobe courses with a guaranteed ATAR. For information and to register your interest, go to, <http://bit.ly/1cXetap>

## VOCATIONAL AND HIGHER EDUCATION NEWS

### Meet RMIT students:

- Kariza Martin's passion for Aerospace Engineering started at a young age. Now at RMIT, she is learning how to apply her passion for flight in a highly competitive industry, <http://bit.ly/2qM1iDL>
- For Steven Galt the opportunity to participate in student mentoring provided the chance to apply the skills learnt in his business course, <http://bit.ly/2q8r16t>

## VOCATIONAL AND HIGHER EDUCATION NEWS

**Win an adventure pack from the University of Tasmania (UTAS):** Students 15 years of age and older can enter the UTAS Adventure Pack competition. Just by filling out an online form, you can win the monthly prize of an iPhone 7 or the major prize, which includes: Apple Watch, GoPro, North Face VE Tent, Mac Pac – Torre 80 Hikers Pack, Tokyo Bike and a choice of \$1,000 Kathmandu Voucher or a XIMO Xplorer V Drone. For information and to enter, go to, <http://bit.ly/2qNGiuY>

**Exciting news from Victoria University (VU):** VU has designed a new teaching and learning experience to make the transition from school to university easier and more supportive for students. In an Australian first, from 2018 the study units for first year students will be delivered in blocks or 'sprints', with students completing one unit before moving on to the next.

This immersive approach means students won't have to juggle the demands and deadlines of studying multiple units at the same time. More information will be released soon.

**UNSW Bragg Student Prize for Science Writing:** For students in Years 7 to 10. To enter the competition, in eight hundred words or less, describe an environmental challenge we face and present your ideas or past research into how we are currently addressing, or we could potentially address these issues. Entries close on 20 August. For information and to apply, go to, <http://bit.ly/1efclWA>

**Finance Services Careers: Taken from My Career Match.** "The Australian Financial and Insurance Services sector employs over 440,000 people and is expected to grow by 8.5 per cent over the next five years. Click this link to download industry employment data, <http://bit.ly/2rt1icJ>. Careers in banking and financial services range from customer service banking and sales positions, financial advisers and analyst positions.

They typically work in commercial banks, mortgage companies, savings and loan establishments and credit unions. Government agencies and companies also require financial services professionals to manage their portfolios and statements and also to audit and regulate other institutions". For a list of career options and job prospects, go to, <http://bit.ly/2r8ofCe>

## MATHS, SCIENCE AND ENGINEERING CAREERS

**Do you enjoy Mathematics, Science and Engineering subjects at school?** Have you considered pursuing a career in these areas? Mathematics, science and engineering shape our day-to-day lives. For example:

- **Who produces your breakfast?** Farmers, food scientists and technologists, nutritionists;
- **Who takes you to school?** Design and development engineers, petrochemical engineers, automotive engineers, automotive electricians, environmental scientists, mechanics, materials scientists;
- **Who built your school?** Architects, surveyors, structural engineers, electricians, plumbers, carpenters;
- **Who assists your learning?** Teachers, journalists, film producers, software designers, publishers, writers;
- **Who helps you exercise?** Exercise scientists, physiotherapists, sports psychologists;
- **Who keeps you healthy?** Doctors, nurses, pharmacists, biomedical scientists;
- **Who contributes to your spare time?** Computer game developers, music technologists, product designers, sound and lighting technicians.

### Exploring Mathematics, Science and Engineering degrees

**MATHEMATICS:** If you are a logical and analytical person who enjoys solving problems with numbers, you may like to explore a career in Mathematics, statistics and actuarial studies.

Employment for actuaries, mathematicians and statisticians is expected to grow strongly over the next three years. Go to [www.mathscareers.org.au/](http://www.mathscareers.org.au/) to find out more.



## MATHS, SCIENCE AND ENGINEERING CAREERS

**SCIENCE:** There are several broad disciplines in science. The following are examples:

- **Physical Science:** Is for people who like to ask questions about why things are the way they are in the world around us. School subjects include Chemistry and Physics.
- **Computer Science:** Is for people who like to understand how computers work and to learn how to develop new programs and systems.
- **Life Science:** Is for people who like to ask questions and think about living things and covers areas such as medicine, biology and ecology.
- **Astrophysics:** Is for people who are fascinated with the universe, stars and space exploration.
- **Earth Science:** Is for people who are interested in soil, rocks, weather and the natural environment.

Thousands of new jobs for science professionals will be created over the next five years. Demand for health science graduates in areas such as audiology, dietetics, nursing, and podiatry will be high.

For more information about Science careers, download the *Careers With Science Guide*, <http://bit.ly/2IL1DCI>

**ENGINEERING:** If you are practical, like to know how things work and enjoy analysing and solving problems using Mathematics and Science, you should explore careers in Engineering.

For more information about engineering careers, and engineering specialisations such as civil and mechanical, download the *Careers With Engineering Guide*, <http://bit.ly/2IL1DCI>

To find out what type of engineering you would be suited to, take the following quiz, <http://bit.ly/1PVPOU4>





## UPCOMING EVENTS

### Health Open Day, University of Canberra (UC):

University of Canberra is running an Open Day for students interested in learning about the following UC degrees – Counselling, Nutrition, Medical Imaging, Nursing, Public Health, Occupational Therapy, Pharmacy, Physiotherapy, Psychology and Sport and Exercise Science. The event will run on Saturday 3 June between 10:00 am and 1:00 pm. You will be able to participate in the Open Day and book a one-to-one session with a course adviser. For information, email, [healthstudentliaison@canberra.edu.au](mailto:healthstudentliaison@canberra.edu.au)

### Federation University (FedUni) TAFE holiday

**programs:** Federation University will be running a two day program during the mid year holidays for students interested in studying one of the following TAFE courses: Professional Writing and Editing, Building Design, Conservation and Land Management, Live Production, Graphic Design, Screen and Digital Media. The program will run on Tuesday 4 and Wednesday 5 July at the Ballarat Campus. On campus accommodation and meals are available. For information, go to, <http://bit.ly/2qNMpPf>

**Trinity College Young Leaders School:** Trinity College at the University of Melbourne is running an intensive residential program for talented students. You can choose a one week themed academic program in areas such as:

- Arts, leadership for social justice, commerce, English intensive (drama and communication), science and engineering, fine arts, law and justice, biomedicine, psychology and personal development for future leaders.

The program will run in July and scholarships are available. For more information and to register by 2 June, go to, <http://bit.ly/2qHVL1x>

### Indigenous Student Experience Monash Day:

Indigenous students are invited to apply for the Indigenous Student Experience Monash Day, which will run on 27 July at the Clayton Campus. Students will be able to participate in hands-on sessions that explore different course and career areas such as Business, Arts, Architecture, Law, Medicine, Engineering, Nursing, Health Sciences and Science. Students will also find out about the application process for Monash University. For more information and to apply, email Kristel Keleher, [kristel.keleher@monash.edu.au](mailto:kristel.keleher@monash.edu.au)

## UPCOMING EVENTS

### MAY

- **24 – 31: Focus on Melbourne University,** Science (30), Commerce (31), <http://bit.ly/2pWxQIT>
- **24 – 27: Health Information Sessions,** Deakin University, Geelong Waurn Ponds. Exercise and Sport Science (27), <http://bit.ly/2qHNIHe>
- **26: Experience La Trobe University,** Albury Wodonga Campus, <http://bit.ly/2p07y7b>
- **27: Take Control,** IT event, Monash University, Clayton Campus, <http://bit.ly/2pSTSxH>

### JUNE

- **3: Information Session,** JMC Academy, Melbourne, <http://bit.ly/1PvWdBT>
- **3: Health Open Day,** University of Canberra, [healthstudentliaison@canberra.edu.au](mailto:healthstudentliaison@canberra.edu.au)
- **5 – 14: Inside Monash Seminars,** Medicine and Biomedical Science (5), Business (14), <http://bit.ly/1Scshkl>
- **6 – 21: Focus on Melbourne University,** Arts (6), Design (7), Law (8), Music (13), Fine Arts (20), Education (21), <http://bit.ly/2pWxQIT>
- **17: Open Day,** Endeavour College of Natural Health, Melbourne, <http://bit.ly/2pRWsnA>
- **19: Marine Careers Day,** Boating Industry Association of Victoria, <http://bit.ly/2rJdsuB>
- **27: Allied Health MyDay,** Charles Sturt University, Albury-Wodonga, <http://bit.ly/2kVYa5R>
- **29: Science in the City,** RMIT, Melbourne, <http://bit.ly/2pWOxnu>

### JULY

- **3 – 6: RMIT Experience Days,** register ASAP, <http://bit.ly/2qRca05>