

Weekly Career News

TERM THREE

Wednesday 9 September 2015

COOL COURSES & CAREERS

Meet Adrian Varghese: Adrian is studying the Bachelor of Exercise Physiology at UNSW, <http://bit.ly/1JM8UWn>

VCE subjects:

- **Year 11:** English, Mathematical Methods Units 3 + 4, Biology Units 3 + 4, Physical Education, Chemistry, Youth Ministry.
- **Year 12:** English, Further Mathematics, Biology (repeated), Chemistry, Physical Education.

What is your course like? It's really interesting; the university has a working Exercise Physiology clinic next to the campus and they take you there to shadow either the Exercise Physiologists or the 4th years from the second week of uni to learn first hand how to deal with patients and get an overall feel for the profession.

What do you love about your course? I love that the students get to witness a working Exercise Physiology clinic first hand so quickly to get a feel of things. I'm really into health and fitness so everything that we're learning in class really interests me. I'm really excited to go overseas to study in the first semester of the third year! I'm also really excited to be working with cadavers in anatomy next semester!

How did the subjects at school prepare you for your course? The first semester consisted of Biology, Chemistry, Exercise Science and Psychology. As I studied Biology, Chemistry and Physical Education in high school these subjects weren't so taxing for me, while others in my course stressed out because they had to learn most of Year 12 in a semester.

This semester we're continuing Psychology and Exercise Science and studying Statistics and Anatomy. Mathematical Methods has helped with Statistics and Physical Education has helped with Anatomy.

COOL COURSES & CAREERS

Meet Therase Gleeson: Therase completed a Bachelor of Nursing at Charles Sturt University, <http://bit.ly/1VAvjgy>

VCE subjects:

- **Year 11:** English, Biology, Health & Human Development, Sociology, General Mathematics, Religion.
- **Year 12:** English, Biology, Health & Human Development, Sociology, Further Mathematics.

What was your course like? For me university classes and assignments were hard as I'm not a very academic person, but when it came to placements I thrived and loved nursing. Placements were anywhere in NSW so sometimes I had to travel larger distances to placement areas. Placements were by far the best part of the course, especially in the emergency environment.

What are you doing now in your graduate position? I now have a permanent position in an Emergency Department. On a daily basis I could be doing any number of tasks, to name only a few: administering medications, cleaning and dressing wounds, providing assistance with emergency medicine, providing health care education, lending an ear to someone's worries, holding someone's hand when they're scared, assisting someone to die with dignity and assisting patients with tasks that many people take for granted like bathing, eating and walking.

What do you enjoy about your job? I enjoy being challenged and not knowing what cases I will have for the day, as the emergency department is an ever changing, fast paced environment. I enjoy helping sick people feel better and being an advocate for patients who are unable to do it themselves. I love being a part of a team that tries to connect the dots of a patient's presentation/symptoms to diagnose and treat them.

COOL COURSES & CAREERS

Meet Josh Holt: Josh is studying the Bachelor of Health and Physical Education at Deakin University, <http://bit.ly/1UC8KG1>

VCE subjects:

- **Year 11** – English Language, Music Performance, Mathematical Methods, Physical Education, Youth Ministry, Biology Units 3 + 4.
- **Year 12** – English Language, Physical Education, Further Mathematics, Music Performance, Health and Human Development.

What is your course like? I have really enjoyed the course so far throughout my first year of study. The cohort is small so it was easy to develop relationships with both my lecturers and fellow classmates, which also made the transition into university a lot easier. I've found the course to be very hands-on.

Two hours of each week are dedicated to a practical teaching class in which we are taught techniques, strategies and key components of what it takes to be a Health and Physical Education teacher and then we are provided with an opportunity to put these into action both amongst our peers and also in various primary and secondary schools around the Geelong area.

What do you love about your course? I love the amount of practical experience that I have already gained from this course after only the first trimester. All of the subjects are directly relevant to the required knowledge I'd need as a teacher. Having the opportunity to specialise in another subject (e.g. Biology, Chemistry, History, Mathematics or English) is another positive aspect as it provides variety and gives you an outlet to learn more in a field that you may not of had the chance to in high school. I am specialising in Mathematics.

How have the subjects at school prepared you for your course? The amount of content that overlapped from my Year 12 subjects and my first trimester was surprisingly large. I could draw direct correlations between the content I had previously learned and what I was learning at the time, which allowed me to develop a deeper understanding of the content.

COOL COURSES & CAREERS

Meet Stephanie Anderson: Stephanie completed the Bachelor of Journalism at the University of Canberra, <http://bit.ly/1LeEA6P>



VCE subjects:

- **Year 11** – Literature, History, Sociology, Studio Arts, Religion and Society Units 3 + 4, Further Mathematics Units 3 + 4.
- **Year 12** – Literature, English, History, Sociology, Studio Arts.

What did you love about your Bachelor degree? I decided to study journalism because I love writing and all forms of literature. I wanted, and I still want to become a novelist, but I'm a realist and knew that I needed a job to pay the bills before I could be the next Jane Austin. Journalism was a natural choice. I loved everything about my course. I found it complimented my existing skills, and gave me new ones. I enjoyed the atmosphere at uni more than anything I think. It's strange to be in a place that's filled with like-minded adults, from all over Australia and the world, who are all working towards something equally as cool as you are.

What was your honours year like? When I received an offer to do honours I jumped at the opportunity as I thought it would give me a leg up in the job market. For my honours I took my university experience and decided to research it. I'd noticed at uni that most young people didn't understand or care about politics. I decided to find out why that was, and what the media could do to change it. As part of my honours I built and maintained a website, did a stack of research and wrote a 15,000 word thesis.

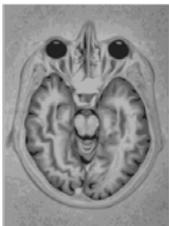
How did the subjects at school prepare you for your course? I majored in Sociology at Uni. My background in Photography made life a lot easier, as well as my writing skills.

What is your graduate position and what do you love about your job? I work at a media-monitoring firm as a Social Media Professional. I love being surrounded by the news. I love being ahead of the traditional news, as my space is social and online (the breaking news outlets). I love being on the cutting edge of the media market and being a part of the future of the media.

CAREERS IN MEDICAL RADIATION SCIENCE

Are you fascinated by the human body? Do you love science? Would you like to work in a job where you can diagnose and treat human diseases? If so, you may enjoy studying one of the following career areas:

- Radiography/Medical Imaging
- Nuclear Medicine
- Radiation Therapy
- Medical Sonography



The following information has been taken from Charles Sturt University and the University of South Australia:

Radiography/Medical Imaging: As a radiographer, you will be concerned with producing high quality medical images of the human body for medical diagnosis through the operation of specialist equipment, such as administering ionising radiation (x-rays), or MRI pulses to the patient.

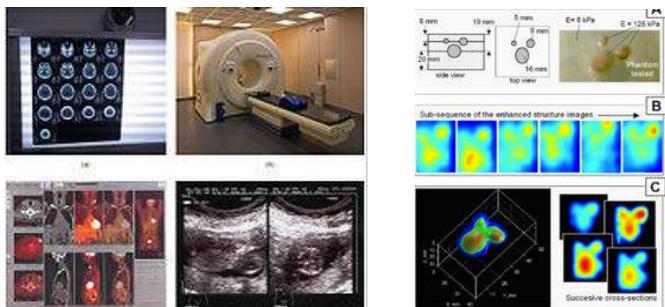
Nuclear Medicine: involves using biological tracers (radiopharmaceuticals) for the diagnosis and treatment of various diseases. The specialisation details the administration and imaging of these radiopharmaceuticals within the patient to detect physiological abnormalities and deliver appropriate treatment.

Radiation Therapy: This involves the design and delivery of radiation treatment plans for people diagnosed with cancer and other pathological conditions.

Medical Sonography: is the application of medical scanning which uses high frequency ultrasound waves to produce diagnostic images. Sonography assists in the detection of foetal abnormalities, vascular disease and other acute and chronic conditions.

What subjects should I study at school?

Physics, Mathematical Methods, Biology and Chemistry are recommended. You should check the prerequisites for each university.



CAREERS IN MEDICAL RADIATION SCIENCE

Where can I study? The following are a list of undergraduate courses (your first degree at university).

Charles Sturt University, Bachelor of Medical Radiation Science, Wagga Wagga, NSW

- After the completion of first year, you can choose which specialisation you want to undertake from Medical Imaging, Nuclear Medicine and Radiation Therapy, <http://bit.ly/1JCx8Vu>

Bachelor of Medical Imaging, Deakin University, Geelong

- This is a new course and has not been accredited yet. Students will undertake 2500 clinical hours of placement, <http://bit.ly/1JCzp37>

Bachelor of Radiation Sciences/Master of Radiation Therapy, Monash University, Clayton

- Students complete the 3-year Bachelor Health Science with a specialist stream in Radiation Sciences. They will then complete the Master of Radiation Therapy, <http://bit.ly/1QlBkQa>

Bachelor of Radiography and Medical Imaging (Honours), Monash University, Clayton

- This 4-year course focuses on radiography and medical imaging, and graduates develop the skills to be registered radiographers, <http://bit.ly/1NmAMGA>

Bachelor of Applied Science (Medical Radiations), RMIT, Bundoora

- This is the only course in Victoria that you can enroll in one of the following three streams—medical imaging, nuclear medicine, or radiation therapy, <http://bit.ly/1GuuORt>

Bachelor of Medical Sonography/ Graduate Diploma of Medical Sonography, Central Queensland University, Melbourne Campus

- This is the only undergraduate/graduate Medical Sonography course in Australia. You will be fully qualified after four years of study, <http://bit.ly/1FvexX0>

Key Websites for more information:

- Australian Institute of Radiography, www.air.asn.au/career.php
- A Career in Radiation Oncology, <http://bit.ly/1grfEsw>

Meet Hayley Maggs, Peter McCallum Cancer Centre

Bachelor of Science/
Master of Medical Radiations
(Radiation Therapy),
Monash University



Radiation therapy is a highly technical field using cutting edge technology to provide the best care possible to cancer patients. We use high energy X-rays to treat all different types of cancer in both the radical and palliative setting.

There are two areas of radiation therapy, which you get to rotate through. Firstly there is planning. This is where we determine how to deliver the radiation to the area we want while sparing all the surrounding healthy tissue and organs. We do this by positioning the patient in a special way depending on what we are going to treat and take a CT scan. Then using computer programmes we determine the different angles the radiation is going to enter the patient's body so that we treat the entire target area. Planning is very technical and new techniques are constantly being developed. It's a very exciting area!

The second part of radiation therapy is treatment. This is where we use huge machines called linear accelerators to deliver the radiation. Patients may be on treatment once or for a number of weeks depending on what we are treating. This means that you develop real relationships with a wide variety of patients and you really feel like you are making a huge impact on their life. I love treatment for this reason (and it's also not unusual to receive chocolates and cakes from the patients on a daily basis!).

Radiation therapy is an extremely rewarding career and I'm learning new things every day. You can travel all over the world working as a RT from England to the Middle East. To anyone who was thinking about perusing a career in radiation therapy I encourage you to contact a radiation therapy centre, they are always more than happy to show people around their department and you really get to see the amazing work that we do.

Passionate about working with computers?

RMIT has launched a new animation that will help inform you about the difference between Computer Science and Information Technology programs at RMIT, <http://bit.ly/1K4H7E2>

Pathways at RMIT: If you would like to study at RMIT and are concerned you may not achieve the required ATAR or don't have the necessary prerequisites, you can undertake a pathway course. Go to this link to explore the pathway options relevant to your course interests, <http://bit.ly/1KYoHpj>

Scholarships: Think Education Group has released details of scholarships for their 2016 intake at the APM College of Business and Communication and William Blue College of Hospitality Management. Applications are due 17 September. For information about the scholarships and courses at each institution, go to www.think.edu.au



Day in the Life Workshops: The following Think institutions are hosting Day in the Life workshops in September:

- 22: William Blue College of Hospitality Management
- 24: APM College of Business & Communication
- 26: Billy Blue College of Design & CATC Design School
- 26: Australian National College of Beauty
- 26: Australasian College of Natural Therapies

For information and to register, go to www.think.edu.au

Applying for Monash University? If you achieve an ATAR of 90+ and start your studies in 2016, you will be eligible to apply for the Access Monash Ambassadors Program. The program involves working with the Access Monash team to inform secondary school students about Monash by participating in outreach activities. As an ambassador, you will have the opportunity to be considered for the \$4000 p/y Monash Community Leaders Scholarship, complete a Certificate III in Active Volunteering and have your participation recorded on your graduate certificate. Applications close 30 October, <http://bit.ly/1fHGTGp>

Two exciting new courses at Victoria University (VU):

- **Bachelor of Psychology (Honours)/ Bachelor of Laws (Honours):** This is the only course of its kind in Victoria. Upon graduating, students will meet the requirement for Registration as a Provisional Psychologist, associate membership of the Australian Psychological Association, and for admittance as an Australian lawyer in Victoria, <http://bit.ly/1EMfhMG>
- **Bachelor of Marketing Communication:** VUs Student-led Communication Agency at MetroWest will give students the opportunity to put their theory into practice by working with real clients and on real projects. Graduates will be job ready for roles in public relations, publicity, sponsorship, media management, publishing, digital engagement and more, <http://bit.ly/1i9IAyH>



New university accommodation: The following three universities have new accommodation options opening in 2016:

- **Victoria University:** Located at the Footscray campus and part of the new Footscray University Town precinct. UniLodge @ VU, \$277 - \$319 for a 42 week contract, <http://bit.ly/1OadaUI>
- **Monash University:** Are opening 1000 new single occupancy studio style rooms. Applications are now open and it is first in best dressed for all accommodation options, www.mrs.monash.edu.au/
- **University of Melbourne:** Student Village, from \$284 - \$388 p/w for a 52-week contract or \$308 - \$421 p/w for a 48-week contract. Rooms are selling out already, so apply now, <http://bit.ly/1T9Tlqd>



Artist impression of the University of Melbourne Student Village.

Ignited Scholarships: Deakin University is committed to attracting top female students to non-traditional areas of study and work. Ignited Scholarships are worth \$5000 per year and students will be mentored by an academic. If you are a Year 12 female student interested in applying for any of the Bachelor degree courses listed below, you should consider applying for the scholarship:

- Civil Engineering (Honours)
- Mechanical Engineering (Honours)
- Mechatronics (Honours)
- Electrical and Electronics Engineering (Honours)
- Construction Management (Honours)
- Information Technology
- IT Security
- Games Design & Development
- Computer Science

For information about the scholarship, go to <http://bit.ly/1KBDUOq>

AusNet Services Women in Engineering Scholarships: Year 12 female students applying for the Bachelor of Electrical and Electronic Engineering (Honours) at Deakin University are eligible to apply for this scholarship worth \$10 000 per year for the normal duration of the course. Students will be interested in the ever changing energy landscape and shaping the future of power generation, management and distribution. For information on the scholarship, go to <http://bit.ly/1iu94uC>

Huge demand for bilingual law graduates: The following is taken from Australia National University – “The globalization of Australia’s professional services firms has created unprecedented demand for law graduates with Asian language skills. With Asian economies expected to account for almost 50% of global economics output by 2025, this is a trend that is set to continue well into the next decade.

Top tier employers such as Westpac, and Pricewaterhousecoopers, are increasingly calling for Asia literate graduates to meet the growing demand for global talent in the Asian century. Bilingual law graduates are in short supply and as a result, are far more employable. Recent reports from online Australian publication ‘Lawyers Weekly’ suggest that, if law graduates want to gain a competitive edge over their peers, the best way to get ahead is by combining their law degree with an Asian Language, <http://bit.ly/1Lhe3GO>

UPCOMING EVENTS

Science in the City: RMIT invites students and parents to tour their start-of-the-art learning laboratories at the City Campus on Monday 21 September between 11am – 1pm. RMIT offer science courses in biology, biotechnology chemistry, environmental science, food science, nanotechnology, and physics. Please register at <http://bit.ly/1LUJkkK>

Have you considered Nuclear Medicine? RMIT has arranged free workplace visits for year 11-12 students interested in finding out more about the role Nuclear Medicine Technologists play in the investigation, diagnosis, treatment and monitoring of disease. The workplace visits will be held Thursday 24 September and Friday 25 September at St Vincent's Hospital or the Austin Hospital. For information and to register, go to <http://bit.ly/1JQATGn>

VCE Physics students: are invited to attend a public lecture by Quantum Physicist Professor Andy Greentree to celebrate the International Year of Light. Professor Greentree will explore light and how new understandings are leading to new biological insights in his lecture- 'Seeing into the body, one photon at a time'. The lecture will take place at RMIT Wednesday 30 September. For information, go to <http://bit.ly/1EM52bi>

Are you in Years 7 – 12? Do you want to work with animals? Healesville Sanctuary and Werribee Open Range Zoo present a day of activities where you get to work alongside their Zoo Keepers and Vets. You will be able to:

- Help with food preparation
- Assist with animal enrichment
- Help with enclosure maintenance
- Listen to Keeper talks
- Do animal health checks
- Handle animals safely

Zoo Keeper for a Day, Healesville Sanctuary: 22, 23, 29 & 30 September.

Vet for a Day, Healesville Sanctuary: 23, 24, 30 September and 1 October, <http://bit.ly/1K3LI3>

Zoo Keeper for a Day, Werribee Open Range Zoo: 22, 24, 28 & 30 September, <http://bit.ly/1vornA4>



UPCOMING EVENTS

Public Health and Health Promotion Information Evening, Deakin University: Students and parents are welcome to attend this information session at the Geelong Waterfront Campus on Wednesday 16 September and the Burwood campus on Thursday 17 September. Students will be able to learn about the Bachelor of Public Health and Health Promotion. For information and to register, go to <http://bit.ly/1hA1hLc>

September Events

- **14 – 16: The Swinburne–ConocoPhillips Science Experience,** Year 9 and 10 students, Hawthorn Campus, <http://tinyurl.com/kno5vhm>
- **15, 17: Creative Arts Information Evenings,** La Trobe University, Bendigo (15), Mildura (17), <http://bit.ly/1NErEMI>
- **16: Science at Monash University Conference,** Clayton Campus, for parents and students, <http://bit.ly/1WcqCLk>
- **17: At Monash Seminar Series,** Engineering, <http://bit.ly/1LbfvWR>
- **21: Science in the City,** Laboratory Tour, RMIT, <http://bit.ly/1LUJkkK>
- **22: Astronomy & Light Festival,** Scienceworks, <http://bit.ly/1MXR7kH>
- **22: Photography Studies College,** Information Session, www.psc.edu.au
- **22 & 23: VCE Help Days,** Academy of Design Australia, <http://bit.ly/1Dkjoin>
- **22 September – 1 October: Keeper for a Day & Vet for a Day,** Healesville Sanctuary, <http://bit.ly/1K3LI3>
- **22 – 30: Keeper for a Day,** Werribee Open Range Zoo, <http://bit.ly/1vornA4>
- **24, 25: Nuclear Medicine Workplace Visits,** RMIT, The Austin Hospital and St Vincent's Hospital, <http://bit.ly/1JQATGn>
- **26: A Day in the Life of a Designer,** Billy Blue, Melbourne, <http://bit.ly/1OKht6Z>
- **30: Public Physics Lecture,** Seeing into the body, one photon at a time, RMIT, <http://bit.ly/1EM52bi>