**SIMONDS CAREERS NEWS No 8  28 May 2013**

*The harder I work, the luckier I get.*  Samuel Goldwyn

**Reminders**

- ‘At Monash’: Biomedical science, radiography, and nutrition and dietetics 29 May; Engineering 30 May; Registration: 1800 MONASH or www.monash.edu/seminars
- **UMAT**: Registrations close 7 June; test date: 31 July, 2013; See: http://umat.acer.edu.au
- Indigenous students at Monash day - 5 June; www.monash.edu.au/study/life/indigenous
- Melbourne University ‘Focus’ sessions – Agriculture: 29 May; Music: 4 June; Science: 5 June; Environments: 18 June; Law: 19 June; **Arts**: 25 June; The **VCA**: 26 June. See: www.futurestudents.unimelb.edu.au/focus-melb.
- Art, design & architecture at Monash. workshops for Year 11-12s interested in studying creative disciplines; 2-4 July OR 1-3 Oct; Info: www.monash.edu/mada/workshops
- Careers in **Sports Medicine** – 19 June; Register: http://www.trybooking.com/CSIP; Info: megan.marchall@opsmc.com.au

**OPEN DAYS 2013**

University and TAFE Open days are the BEST way to find out about the courses you are interested in and the places you will study. Each Tertiary Institution has a different character and feel, as well as the courses having a different focus. The ONLY way to find out where you will be happy and get the education YOU want is to visit the place and ask some questions! Open Days and Holiday Programmes are there for YOU! Would you spend thousands of dollars on a car without having a look under the bonnet and going for a test drive? The 2013 Open Day List is available with this Careers News.

**ACCOUNTING and BUSINESS CADETTSHIPS:**

- **BDO** - BDO are seeking accounting cadets with energy, ambition, potential and a quest for continuous learning and excellence. To support students throughout their undergraduate studies, BDO provides paid study leave, textbook allowance, University administration or enrolment fee reimbursement, paid time off to attend lectures and exams. Applications are open and will close in June 2013. To find out more, or to apply visit http://www.bdo.com.au/careers/programs-and-dates/melbourne-cadet-program
- **ERNST & YOUNG** - Information Session 5.30-7pm on 11 June at their offices, 8 Exhibition St, Melbourne. Register: www.eay.com.au/careers
- **PwC** - Pricewaterhouse Cooper (PwC) is also offering cadetships, where applications are closing 19 June. www.pwc.com.au/careers/student/program/trainee/index.htm
- **KPMG** have a program too! Find out more at www.kpmg.com/au/en/careers/Graduates-Students/Cadetships/Pages/default.aspx


**LEAP INTO LAW** – Upcoming workshops:
- Introduction to the Legal profession (Years 7-9)
- LEAP into Law Workshop (Years 10-12)
- Next Step Workshop (years 10-12)
- Go to www.leap.vic.edu.au under Law for details.

**A CAREER IN ICT?** Interested in IT but unsure of course and career pathways? Then what about attending the ‘My Direction’ student conference? Aimed at Year 9-12 students, you will find out about learning and career possibilities, about courses, prerequisites for upper secondary and tertiary study, and hear from an industry perspective. Senior students will also be able to attend exam preparation sessions. When: 9.30am-1.30pm, Sun 2 June; Where: RMIT Academic Building, Building 80, 445 Swanston St, Melbourne; Register: www.vitta.org.au/events/event/my-direction-vitta-student-conference

**WHERE CAN A HISTORY MAJOR TAKE ME?**

*The History curriculum offers you the opportunity to understand the worlds of the past, to reflect on the making of the present, and to develop the capacity to locate information, analyze evidence, think critically, and communicate effectively.*

Students who enjoy studying **history** often want to study it at university but are concerned about how they could use it in a job one day. A popular way of studying history at university is as a major in a Bachelor of Arts degree. A Bachelor of Arts in History is a flexible undergraduate degree that provides students with broadly marketable skills. History is also excellent preparation for professional degrees such as Law and Journalism.

**Quick facts:**
- History is the study of the most important and exciting events that have ever occurred
- A history major provides students with a range of areas including the introduction to modern society, politics and global events
- Students majoring in history gain important skills in critical thinking, writing and composition
- History majors develop research and presentation skills that are highly transferrable to any career
- Communicate clearly and persuasively in writing
- Speak fluently and compellingly to audiences large and small
- Apply their wide-ranging research skills to a variety of real-world problems
- Gather and manage complex data
- Present that data in a variety of formats
- Formulate persuasive arguments on the basis of concrete evidence
- Make well-informed decisions on the basis of that evidence

Students who graduate with a Bachelor of Arts (History) regularly find careers in Law, Government, Public Policy, Consulting, Education, Academia (University research and teaching), Publishing, Management and Administration, Archaeology, Archives, Museums, Research and Journalism.

**NEWS FROM DEAKIN UNIVERSITY**

- Bachelor of Engineering Science - Deakin’s new Bachelor of Engineering Science brings together studies in **engineering**, **physiology**, **exercise**, and **sport science** in a qualification that could lead to a variety of exciting career opportunities in the fields of **sports** or **medical technology**, with a focus on **human performance**. Students specialise in one of the following areas:
  - **Sports technology** – electrical major. This major gives students the opportunity to combine their passion for sports with a career with a technology/design focus. Students will specialise in electrical systems and will study units in digital electronics, microcontroller principles and microcontroller system design as part of this major.
Sports technology – mechanical major. This major also gives students the opportunity to combine their passion for sport with a career with a technology/design focus. Students will study units in engineering physics, clinical and sport biomechanics, physiology of sport performance, engineering design and CAD, and engineering mechanics.

Medical technology major. The medical device and diagnostics industry is the focus of the Medical technology major. Students will study units in physiology, anatomy and microbiology as part of this major. Find out more at: http://www.deakin.edu.au/medicine/medical-science/

Profile: Bachelor of Vision Science (Optometry)
Optometrists are primary eye care providers who possess an excellent understanding of the visual system, the problems that occur and how to manage these problems. Optometrists in Australia can refer patients directly to eye surgeons (ophthalmologists) as well as co-manage patients with ophthalmologists and General Practitioners.

The Bachelor of Vision Science is an accelerated two year course delivered over six consecutive trimesters commencing in Trimester 1. All the units in the course are prescribed and this course articulates into the Master of Optometry.

The Master of Optometry is a 1.5 years accelerated full time program delivered over four consecutive trimesters commencing in Trimester 1. So, in 3.5 years a student can graduate with a Bachelor of Vision Science and a Master of Optometry.

Visit http://www.youtube.com/watch?v=OFTsCc65SP4 and watch a YouTube video showcasing reasons to study optometry at Deakin! Alternatively visit http://www.deakin.edu.au/health/medicine/optometry/

Virtual Tour of the REACH Building –
Located at the Geelong Waurn Ponds Campus, the new REACH (Regional Community Health Hub) building was named to fit its purpose of reaching out to rural and regional health sectors and providing a regional community health hub. A virtual tour of the REACH Building is available to view on the Faculty of Health homepage. Visit http://www.deakin.edu.au/health/ and click on 'view video'.

LA TROBE UNIVERSITY NEWS –
La Trobe is introducing three new degrees in 2014:
• Bachelor of Engineering (Melbourne campus)
• Bachelor of Exercise Science (Melbourne and Bendigo)
• Bachelor of Mechatronic and Robotic Engineering (Melbourne)

Some wonderful new buildings have opened at La Trobe recently. The Centre for AgriBioscience is a $288m facility with state-of-the-art resources; around 450 scientists will work in this building researching things like agriculture production, pest control and infection control. The new Institute for Molecular Science building is used for research and teaching biochemistry, chemistry, genetics, plant biology, physiology, physics and molecular archaeology. Anyone considering studying science would be wise to keep La Trobe in mind! Research areas that La Trobe is concentrating on are; securing food, water and the environment; sport exercise and rehabilitation; building healthy communities; population movement and human security (international development, refugees, pandemics, etc). Many of La Trobe’s disciplines have been rated among the world’s top 100 in the latest QS World University Rankings by subject. The rankings evaluated 2,858 universities. Sociology came in at 43, placing La Trobe in the world’s top 50 most elite institutions. In communications and media, history, education and linguistics, La Trobe was ranked in the top 100 world universities.

New Bachelor of Exercise Science
From 2014 La Trobe University will be offering the Bachelor of Exercise Science at the Melbourne Campus. Entry requirements to this 3-year degree are VCE Units 3 and 4: study score of at least 30 in EAL or 25 in English (any), and at least 20 in two of Biology, Chemistry, Mathematics (any), Physical Education or Physics.

http://www.latrobe.edu.au/courses/exercise-science

EXPERIENCE LA TROBE – Students and parents are again invited to ‘Experience La Trobe’ in the July vacation. Find out what it is like to be a student for a day. Explore courses, meet staff, see facilities, and get your questions answered. Who: Year 10-12 students; When: Melbourne (Bundoora) Wed 10 July, Bendigo: 12 July; Register: www.latrobe.edu.au/experience; free, with lunch and entertainment supplied.

COMPUTER GAMES BOOT CAMP is on again this year. This is a seven-day event for Year 9 - 12 students to experience everything connected to computer games and IT. Learn from experienced industry professionals, talk to like-minded individuals and expand your networks. Workshops, tournaments, presentations and activities will take place. Who: students interested in becoming IT professionals, building and designing games, multimedia or simply playing games; When: Sat 6 - Fri 12 July; Where: Clayton campus; Register: http://cgbc.infotech.monash.edu/

MONASH UNIVERSITY NEWS –
• The Faculty of Arts is introducing a new course structure in 2014. The changes are designed to give students a deeper understanding and appreciation of the area in which they specialise. More emphasis will be on how to apply their knowledge and to develop research skills. Three categories of study will be introduced to complete a ‘major’ – gateway, cornerstone and capstone. These are chosen key subjects which must be taken in a student’s major area of study. Join the Arts Facebook page at: www.facebook.com/MonashArts

• The Bachelor of Architecture/Master of Architecture has a new entry process from 2014. There will be a pre-selection activity and an interview, and the maths prerequisite will be removed. TheATAR will still be important but the pre-selection activity and interview will provide additional ways for students to demonstrate their ability. In the pre-selection activity students will respond to an issue through text and image (not about assessing design or drawing expertise). The interview is a chance to share your story and to say why you want to study architecture. After applying for the course through the Victorian Tertiary Admissions Centre (VTAC) in term 3, applicants will receive a pre-selection activity to complete by 11 October. Based on this, they may be invited to an interview. Their application will be assessed on their ATAR, pre-selection activity and their performance in the interview. See: www.artdes.monash.edu.au/aaf/research/starlab/

• Business and Economics - New Simulated Teaching Lab. The popularity of the Department of Accounting and Finance’s STARLab (Simulated Teaching and Research Laboratories) has led to the installation of a new STARLab at the Caulfield Campus with the capacity to host 78 students. This facility is part of the Faculty of Business and Economics continuous learning and teaching improvement program. The STARLab runs a suite of financial market simulation programs, including the Monash Trader program developed by staff within the Department of Accounting and Finance. Accounting information systems also run in the STARLabs.Students are exposed to situations and events that demand thoughtful responses that draw on their prior learning in our undergraduate and postgraduate degree courses,” Associate Professor Kevin Tant, STARLab Coordinator explained. Students engineer responses with a variety of financial instruments to create financial market positions, hedge risks and seek profits in competition with other traders. For more information, visit www.buseco.monash.edu.au/aaf/research/starlab/
• Medicine at Monash University - Current Year 12 students applying for the Bachelor of Medicine, Bachelor of Surgery Degree are to please note the following important information from Monash University:
  o Selection for interview will be based on a combination of UMAT and ATAR
  o All eligible applicants will be communicated with via email regarding the interview process and dates in October 2013.
  o Interview notifications will be emailed to eligible Victorian, Dean’s Rural List and Dean’s Indigenous List applicants including the interview process and dates in December 2013.

Students are encouraged to visit the following two links to stay up-to-date –
www.med.monash.edu/medical/central/prospective-students.html
and www.med.monash.edu/medical/central/important-dates.html

• Bachelor of Medicine/Surgery – all interviews for entry into Monash University’s MBBS program in 2014 will be held in January 2014. In the past, most interviews have been held in December with a small number in January. Students will be offered an interview based on their UMAT result and ATAR.

ADFA INFORMATION EVENING
Defence Force Recruiting would like to invite students and their families to an Australian Defence Force Academy (ADFA) Information Night at the Defence Force Recruiting Centre in Melbourne. The evening will provide students with an overview of life at ADFA, details about University of New South Wales (UNSW) and also an explanation of the recruitment process.

Date: Thursday 13 June 2013
Time: 6:00pm – 7:00pm
Location: 501 Swanston Street, Melbourne, VIC, 3000
Meeting Place: Level 14 Reception area

Attendees will also have the opportunity to speak with an ADFA representative who will be able to answer any questions they might have about the academy.

There are limited positions available for this session so reservations are essential. Please email your RSVP to CPTVIC@dfr.com.au no later than Thursday 6 June 2013.

NEWS FROM RMIT UNIVERSITY

• New Bachelor of Science (Dean’s Scholar) (Hon) - This is a selective four year full-time program incorporating an honours year for capable and highly motivated students who want research training through hands-on participation in research projects. The majors on offer are: biology, biotechnology, chemistry, and physics. The prerequisite VCE subjects are: A study score of at least 25 in units 3 and 4 mathematical methods (CAS) or specialist mathematics, and a study score of at least 30 in English (ESL) or at least 25 in any other English.

For further information, call (03) 9925 3950 or email sciences@rmit.edu.au.

• Targeted Information sent directly to You!

Are you interested in studying at RMIT University? If so, you might like to click on the link below, complete the fields required and submit to RMIT. RMIT will then send you specific, targeted information based on the information you have provided.

http://www.rmit.edu.au/browse/Study%20at%20RMIT%20Careers%20advisers%20Expression%20of%20interest%20form/

CHECK OUT RMIT – RMIT is conducting ‘Experience Days’ in the next school vacation.

• 1 July – Accounting and Finance; Fashion and Textiles
• 2 July – Community Justice; Electrical and Computer Engineering
• 3 July – Aerospace, Mechanical and Manufacturing Engineering; Health and Medical Sciences

• 4 July – Advertising, Marketing and Public Relations; Environment
• 5 July – Computing and IT

To get more information and to register go to: www.rmit.edu.au/experiencedays

SCIENCE IN THE CITY – LAB TOURS – Science at RMIT is about providing practical solutions to real world problems. Students and parents can visit RMIT’s state-of-the-art learning laboratories and see the broad range of equipment and facilities, and discover science at RMIT. When: 11am-1.30pm, Tues 2 July or 2-4.30pm, Wed 25 Sept;


MEDICAL LABORATORY VISITS – RMIT has hospital laboratory visits to experience life behind the scenes. Covering laboratory medicine and nuclear medicine, the sessions are held at major teaching hospitals. When: Mon 8 – Fri 12 July; Where: list at registration: www.rmit.edu.au/medicalsciences.

WHAT IS MECHATRONICS? Mechatronics at the University of Melbourne integrates mechanical, electronic and software engineering, offering graduates well-paid career opportunities in diverse fields like aeronautics, robotics, energy and biomechanics. Graduates work on the development of ‘smart’ products and systems such as computer-controlled robots, washing machines, automotive equipment, medical imaging systems, wind and wave generators and hybrid and electric vehicles.

See: www.eng.unimelb.edu.au/study/graduate/master-eng-mechatronics. Mechatronic engineering is also offered at Deakin, Monash, Swinburne and RMIT universities, and at Chisholm and Swinburne TAFE. You will need to study VCE 3/4 Maths Methods for all the university degrees, and some require chemistry or physics as well (eg Monash). Specialist Maths would be very valuable. NOTE: La Trobe University is offering Mechatronic Engineering from 2014 (subject to approval).

LAW AT MELBOURNE UNIVERSITY – Melbourne Law School is hosting a one-day JD showcase designed for school students interested in pursuing law at university. Attend classes on things like: ‘So sue me’, dispute resolution and criminal law. When: 9.30am-3.30pm, Wed 3 July; Cost: $66 (incl lunch); Registration: www.law.unimelb.edu.au/jd/future-students/information-for-school-students.

DEPI CADETSHIP PROGRAM
Are you interested in a career that will influence the future in:

• Healthy and productive water systems?
• Healthy and productive land?
• Flourishing biodiversity in healthy ecosystems?
• Clean air, liveable climate?
• Less waste, less pollution?
• Living cultural heritage?
• Healthy, productive and accessible marine, coastal and estuarine environments?

Students who say ‘yes’ might like to consider a cadetship with the DEPI. The DEPI Cadetship Program offers VCE students and first year science students cadetships to study an approved science degree at a Victorian university. While studying, students will receive:

✓ an annual allowance of $9000 to help with fees and accommodation
✓ up to $500 each year for books
✓ a DEPI mentor
✓ two study tours per year (each of three days duration)
✓ six to eight weeks work experience with DEPI per year

Besides studying, students will undertake practical work placements for 6-8 weeks of the university holidays. Placements are structured learning opportunities during which the student and their mentor will set goals and devise the learning objectives. DEPI
professional scientists supervise placements and will provide feedback on the work. This is an excellent way to learn the practical skills of the job and get the most from an university education.

After graduating students will be considered for a role within DEPI, which offers a wide range of career opportunities.

Students who meet the following criteria might be keen on applying:

✓ VCE results are of a high standard.
✓ Have well developed communication skills.
✓ Like working with people.
✓ Have a genuine interest in science and the future of sustaining Victoria’s natural resources.


**ELECTRICAL PROTECTION & CONTROL TESTERS**

*Electrical protection and control testers perform maintenance testing and operate and commission electrical equipment at electrical facilities, such as power sub stations, to ensure power supply is reliable.*

Testers investigate the cause of malfunctions and perform modifications and repairs and do further tests to improve reliability of the systems. Workers in this field need to have a strong focus on health and safety.


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**FORENSIC MEDICINE & CRIME SCENE INVESTIGATION**

This course is open to interested members of the public of all ages, including students. No prior knowledge is required. It is run by the Medical Register of Australia (an independent body, not associated with any Uni, Hospital or Government Department). It runs over two weekends at VU Flinders St Street campus, with lectures from a retired Homicide Detective, a Forensic Pathologist and a leading DNA Scientist. For more information, phone 1300 787 616.

Mandy Ellwood
mellwood@sccmelb.catholic.edu.au

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**SO, WHAT DOES A MECHANICAL SERVICES DRAFTPERSON DO?**

Mechanical Services Draftspersons work mostly in a Computer Aided Design (CAD) environment. They are responsible for the design and drafting of drawings from which the mechanical systems within a building project can be manufactured and constructed. The role of a mechanical service draftsperson includes liaising with equipment suppliers, site personnel and project managers; coordination with other service contractors involved in the project; and production of accurate working drawings. Detailed drafting in CAD, undertaking site measures, attendance at site meetings, and resolving coordination issues, can be all in a day’s work for a mechanical services draftsperson!

This job suits people who –

✓ like working with computers
✓ enjoy a fast-paced working environment
✓ are happy working on many and varied work projects
✓ like to take responsibility for their work
✓ can be creative, when it comes to designing and detailing the most efficient and cost-effective system
✓ have good communication skills
✓ work well on their own as well as part of a team
✓ have an eye for detail and are accurate and reliable
✓ think logically to resolve problems

Mechanical service draftspersons often work in the air conditioning industry – designing systems for multi-storey commercial businesses. Visit the AMCA Virtual stand [www.virtualcareersexpo.com/amca](http://www.virtualcareersexpo.com/amca) see videos of draftspersons working and talking about their jobs. Also visit [www.amca.com.au](http://www.amca.com.au)

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**DIPLOMA OF HOLIDAY PARKS AND RESORTS (SPA)**

The Diploma of Holiday Parks and Resorts (Spa) combines both training in tourism and hospitality management with specialist Spa units and qualifications. It is a dual qualification, in that graduates not only receive the Diploma, but also the Certificate IV in Beauty Therapy. Students complete units in nail services, waxing and spa therapies, which is delivered in partnership with Aurora Spa.