SIMONDS CAREERS NEWS No 10 26 June 2013

Reminders
- Art, design & architecture at Monash; 2-4 July; www.monash.edu/mada/workshops
- RMIT ‘Experience Days’; register at www.rmit.edu.au/experiencedays
- RMIT Science Tours; Tues 2 July; Register: www.rmit.edu.au/appliedsciences/discover
- RMIT Medical Laboratory Visits; 8 – 12 July; reg’n: www.rmit.edu.au/medicalsciences
- Experience La Trobe - Year 10-12’s; 10 July; Register: www.latrobe.edu.au/experience
- Monash Computer Games Boot Camp; 6-12 July; http://cgbc.infotech.monash.edu
- RSPCA Vet/Keeper for a Day – Register www.rspcavic.org/services/education/
- Monash Year 10 Independence Day – 4 July; Register: www.monash.edu/year10-day

WHAT’S ON IN TERM 3? This term is a busy time for decision making! Year 10 students need to decide on their course and subjects for Year 11. Will you do VCE or VCAL? Would you like to take a VET study? What VCE subjects will you enjoy and do best at?

For Year 12 students, it is time to make an application through the VTAC system for TAFE and University courses for 2014. How are you going to make the best possible decisions? There are four important things for students in Year 10, 11 & 12 to do:

1. Attend the SIMONDS CAREERS EXPO on THURSDAY 8 AUGUST! At this event you can speak with representatives of Universities, TAFES, Industries, VET Providers and Apprenticeship centres to work out what will be best for you.

2. The VCE SUBJECT EXPO is held at this time as well. Talk to your future teachers about what the subjects really involve!

3. On the same night, Year 10 students and parents will attend the SENIOR STUDIES INFORMATION NIGHT to hear all you need to know about Year 11 & 12 and also receive the Senior Studies Handbook along with many other useful resources.

4. All year 10 – 12 students should be attending TERTIARY OPEN DAYS in AUGUST. This is the only way you can really find out whether a campus or course is suitable for your needs. A list of all Open Day dates is attached to this Newsletter.

YEAR 10 DATE FOR YOUR DIARY – daily newspapers will publish a supplement giving the 2016 requirements or prerequisites for university degrees (VICTER) on Monday 22 July. Look out for it.

VICTORIAN COLLEGE OF THE ARTS AND MELBOURNE CONSERVATORIUM OF MUSIC – VCA and MCM are conducting Winter School programs offering opportunities to train and work with experienced staff in music, music theatre, acting and dance. Enquiries: Danielle Boardman, VCA@commercial.unimelb.edu.au or MCM@commercial.unimelb.edu.au

LAW AT ACU

Click here to view a short video on studying Law at ACU.

AVIATION EXPO AT SWINBURNE UNIVERSITY

Want to FLY? Prospective students are invited to attend a study and careers expo for Swinburne’s range of Aviation and Aviation Management courses.

Date: Thursday 11 July 2013
Time: 6.00pm
Venue: Advanced Technologies Centre (ATC Building 101) 427 – 451 Burwood Road in Hawthorn
Registrations: Registrations close on 10 July 2013.

WHAT DOES A CLINICAL NEUROPSYCHOLOGIST DO?

A clinical neuropsychologist specializes in the assessing and diagnosing of brain impairment and how this affects thinking skills, emotions, behaviour and personality. These specialists are also involved in the rehabilitation and management of the effects of brain impairment and often work with other health professionals.

To find out more about careers in psychology, visit http://www.psychology.org.au/study/careers/

FORENSIC MEDICINE CAREER INFORMATION

The Victorian Institute of Forensic Medicine (VIFM) is holding a Careers Information Session in October. These informative and interactive sessions will give Year 10 - 12 students an insight into the broad range of career options available in forensic medicine and science. VIFM has experts in fields such as: forensic pathology, forensic toxicology, forensic anthropology, odontology (forensic dentistry), histopathology, clinical forensic medicine and molecular biology (DNA).

Date: Friday 4 October 2013
Time: 12.30pm – 4.00pm
Venue: Victorian Institute of Forensic Medicine at Gate 7, 11 Moore Street, Southbank in the Pleeckhahn Lecture Theatre.

Due to the popularity of these seminars, students are encouraged to register their attendance early. Unfortunately there is NO tour of the building available.

To register, visit http://www.vifm.org/about-us/careers-at-vifm/can-i-do-work-experience-at-the-vifm/. For more information please email jobs@vifm.org or call 9684 4313.

LA TROBE UNIVERSITY NEWS -

- NEW HOLIDAY WORKSHOPS – The Experience La Trobe holiday program for Years 10 – 12’s on 10 July will include new sessions in the study areas of civil engineering, exercise science and careers in sport. Book at: www.latrobe.edu.au/experience
- MEDICAL SCHOOL ALLIANCE – With Charles Sturt University, La Trobe has announced the formation of a new tertiary education alliance. This was announced at Albury-Wodonga on the border of NSW and Victoria. The first goal of the new alliance will be to address the rural doctor shortage.
- NEW HEALTH SCIENCE DEGREES IN 2014
  - Exercise Science – Learn how the body moves and adapts to different sporting and physical environments. Qualify as exercise scientists, with the option of the Master of Exercise Physiology
  - Public Health Promotion – with the increase in health and lifestyle issues, there is a need for graduates to help develop healthy communities
  - Medical Classification/Health Information Management – for students interested in a career in health, without patient contact. The course leads to work as a Health Information Manager, or to being a medical or clinical coder, if exiting the 4-year course after three years
  - Paramedic Practice/Public Health Promotion – save lives and protect people’s health. You will be a qualified paramedic and a health promoter
Exercise Science/Exercise Physiology – use exercise to assess/condition healthy people and those with chronic illness.

ACCESS ALL AREAS AT MELBOURNE – The University of Melbourne has a program for Year 10-12 students and families, offering personalised insights into the University. Find out about degrees and graduate pathways, exchange and study abroad, admission requirements, Access Melbourne and scholarships and more. When: Friday 12 July; Where: Parkville Campus; Register: www.futurestudents.unimelb.edu.au/accessallareas

UNIVERSITY of MELBOURNE NEWS -
• DIPLOMA OF GENERAL STUDIES AND THE UNIVERSITY OF MELBOURNE – The Diploma of General Studies can lead to a degree at the University of Melbourne, TAFE studies or employment. It is a sampler of the Melbourne bachelor’s degrees, providing the opportunity to study science, commerce, environments or agriculture. The one year course is offered in the Hume region. Requirements: at least 25 in 3/4 English, and ATAR of at least 50, and the possibility of an interview, test or referee reports. Info: www.dookie.unimelb.edu.au/generalstudies.
• CAN I STUDY FORENSICS AT THE UNIVERSITY OF MELBOURNE? Forensic Science is a blanket term covering a broad area of subjects related to the application of science in legal proceedings. So yes, students can study aspects of forensics including forensic science at the university in the B. Arts, B. Biomedicine, or B. Science. They can study chemistry, criminology, genetics, law, microbiology, pathology, pharmacology, physiology, and psychology. Students who specifically want to pursue a career in a particular area of forensic science might need further, specialised study. For example, the university offers a Graduate Diploma of Forensic Odontology which trains students in techniques required to examine and evaluate dental evidence in legal cases. Depending on student interest, they can go on to careers as a criminal investigator, lawyer, forensic scientist in specialist laboratories, or as a researcher. The National Institute of Forensic Sciences is a good resource – www.nifs.com.au/home.html. NOTE: Some other courses you might consider: Deakin (Geelong)’s Bachelor of Forensic Science, Swinburne’s Bachelor of Social Science (Criminology and Forensic Science – on-line), Bachelor of Arts (Psychology and Forensic Science), and Bachelor of Science, or Victoria University’s Bachelor of Science.
• WORLD RANKINGS – Education at the University of Melbourne has been ranked third in the world, while five other disciplines have ranked in the top ten in the 2013 QS World University Rankings. Law was placed fifth, Linguistics sixth, both Psychology and Accounting and Finance seventh, and Medicine ninth. The Quacquarelli Symonds World University Rankings is an annual league table of the top 700 universities in the world.
• OPEN DAY AT HORTICULTURAL COLLEGE – Burnley College (Melbourne Uni) Open Day is 10am-3.30pm, Sunday 14 July.

MONASH UNIVERSITY NEWS –
• WORLD RANKINGS – Monash ranked in the global top 100 in 28 of the 30 subjects that were rated by the QS subject rankings. Monash was ranked sixth best university on the world to study Education and seventh best in Pharmacy and Pharmacology. Law was 13th, Accounting and Finance was 18th, Linguistics 19th, Communication and Media Studies 21st, History 23rd, Geography 24th, Chemical Engineering 25th, Civil and Structural Engineering 26th, Economics and Econometrics 26th, Psychology 27th and Medicine 29th.
• GIPPSLAND OPEN DAY DATE – has been moved to Sunday 25 August (not Sat 4 August). Recently, the Governing Councils of Monash University and the University of Ballarat decided to proceed with a proposal for Monash’s Gippsland campus to join with the University of Ballarat to form an expanded, regionally focused university from 1 January 2014. Government approval is being sought. The Gippsland campus will continue to offer the same range of courses and programs next year. Info: www.monash.edu/gippsland-future.

NEW COURSES AT MONASH UNIVERSITY IN 2014

<table>
<thead>
<tr>
<th>Bachelor of Business Administration</th>
<th>Berwick Campus</th>
<th>Units 1 and 2 – two units (any study combination) from general mathematics or mathematical methods (CAS) or Units 3 and 4 – mathematics (any) and a study score of at least 30 in English (EAL) or 25 in any other English.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Education (Early Childhood/Pri mary)</td>
<td>Berwick Campus</td>
<td>Units 1 and 2 – two units (any study combination) of general mathematics or mathematical methods (CAS) or Units 3 and 4 mathematics (any) and a study score of at least 30 in English (EAL) or 25 in any other English.</td>
</tr>
<tr>
<td>Bachelor of Informatics and Computation Advanced (Honours)</td>
<td>Clayton Campus</td>
<td>Units 3 and 4 – a study score of at least 30 in English (EAL) or 25 in any other English, and a study score of at least 20 in mathematical methods (CAS) or specialist mathematics or at least 35 in further mathematics.</td>
</tr>
<tr>
<td>Diploma of Tertiary Studies (Science Stream)</td>
<td>Clayton Campus</td>
<td>Units 3 and 4 – a study score of at least 25 in one of biology, chemistry, mathematical methods (CAS), physics, geography, psychology or specialist mathematics, and a study score of at least 30 in English (EAL) or 25 in any other English.</td>
</tr>
<tr>
<td>Bachelor of Finance and Investment</td>
<td>Gippsland Campus</td>
<td>Units 1 and 2 – two units (any study combination) from general mathematics or mathematical methods (CAS) or Units 3 and 4 – mathematics (any). Units 3 and 4 – a study score of at least 30 in English (EAL) or 25 in any other English.</td>
</tr>
<tr>
<td>Bachelor of Education (Early Childhood/Primary)</td>
<td>Peninsular Campus</td>
<td>Units 1 and 2 – two units (any study combination) of general mathematics or mathematical methods (CAS) or Units 3 and 4 – mathematics (any). Units 3 and 4 – a study score of at least 30 in English (EAL) or 25 in any other English.</td>
</tr>
<tr>
<td>Bachelor of Education (Early Childhood)</td>
<td>Peninsular Campus</td>
<td>Units 1 and 2 – two units (any study combination) of general mathematics or mathematical methods (CAS) or Units 3 and 4 – mathematics (any). Units 3 and 4 – a study score of at least 30 in English (EAL) or 25 in any other English.</td>
</tr>
<tr>
<td>Bachelor of Education (Primary)</td>
<td>Peninsular Campus</td>
<td>Units 1 and 2 – two units (any study combination) of general mathematics or mathematical methods (CAS) or Units 3 and 4 – mathematics (any). Units 3 and 4 – a study score of at least 30 in English (EAL) or 25 in any other English.</td>
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</table>

Visit http://monash.edu.au/ to find out more!

NEW COURSES AT FLINDERS UNIVERSITY IN 2014

These include –
• Civil Engineering
• Environment
• Justice and Society (Criminology)


BACHELOR OF SPORTS MEDIA AT HOLMESGLEN (CHADSTONE) – Holmesglen (TAFE) has a new course designed to meet the demand of the sports media industry with an emphasis on journalism, media, broadcasting and the business of sport - gain a broad base of technical skills and knowledge required to work as a sports journalist, commentator, analyst, TV writer, newspaper
writer, researcher, public relations writer or copy editor. Admission is based on ATAR and an interview, or some other negotiated process (e.g. written statement or portfolio). Full fees approx.: $14,000pa apply; FEE-HELP available.

NEW EVENTS AND TOURISM COURSE, HOLMESGLEN
Holmesglen is now offering a dual Certificate III in Events and Tourism. Over six months students will study the process of business event planning including exhibitions, meetings and conventions, venues, delegate and speaker management, current trends and practices and use the latest event planning software.

In addition to this, the tourism component will teach students to create global flight itineraries, source the most amazing hotels and exciting tours using the latest reservation systems. Upon completion of this course students will have the flexibility and skills to pursue a career in this vibrant industry or can choose to complete further studies in either field to build on this qualification. For more information call (03) 9564 1699 or email tourism@holmesglen.edu.au

CERTIFICATE II IN ELECTRO-TECHNOLOGY STUDIES
Box Hill Institute offers a 13-week Certificate II in Electro-technology Studies course which is an excellent preparation course for students planning on applying for an electrical–related apprenticeship. With an exposure to the foundational hand skills and electrical knowledge students are prepared for entry into apprenticeships in the electrical, refrigeration and security trades. Where necessary, students who require that little extra help to ensure their work readiness in terms of literacy and numeracy are given extra assistance.

Possible career path with Certificate II in Electro-technology Studies:
• Certificate III in Electro-technology Studies (Apprenticeship)
• Certificate III in Refrigeration Studies (Apprenticeship)
• Certificate III in Security Studies (Apprenticeship)
Visit www.bhtafe.edu.au/courses/local/Pages/ETE01A_PRA.aspx

NEWS FROM THE DEFENCE FORCE

UPCOMING INFORMATION SESSIONS:
• Royal Military College (RMC) Information Night
  Date: Wednesday 3 July 2013
• ADFA Information Evening
  Date: Wednesday 10 July 2013
• 1 Year Roles Information Session
  Date: Wednesday 17 July 2013
• Women in the Army Information Session
  Date: Thursday 25 July 2013

Each of the abovementioned sessions will take place at the same times and at the same location.
Time: 6:00pm – 7:00pm
Location: 501 Swanston Street, Melbourne VIC 3000
Meeting Place: Level 14 Reception area
Please RSVP via email to CPTVIC@dfr.com.au.

DEFENCE UNIVERSITY SCHOLARSHIP
Get sponsored to study at your university and graduate with a rewarding career in the Navy, Army or Air Force. By being awarded the Defence University Scholarship (DUS) makes life at university more manageable and provides students with a difference with their Health or Engineering degree. The sponsorship is available to undergraduate or graduate students studying an accredited degree at any recognised university in Australia and provides the following benefits:

- a salary while studying
- HELP and student fees paid plus textbook allowance
- 18% superannuation contribution
- subsidised accommodation
- free healthcare (medical and dental)
- rewarding career as an officer in the Navy, Army or Air Force

While at university, students get to enjoy a lifestyle similar to any other student. There are no significant military commitments during the university year, so students can focus on their studies and enjoy their free time like any other university student.


PROJECTS ABROAD INFORMATION DAY
Projects Abroad organises volunteer and work experience programmes in 29 developing countries. These projects are in areas such as teaching, childcare, conservation, human rights, healthcare, and community work in countries such as Kenya, Nepal, Cambodia and Peru. The Information Day will feature presentations from staff and past volunteers, along with lots of opportunity to chat and ask questions.

Date: Saturday 13 July 2013
Time: 1.00pm – 3.00pm (drop in anytime for as long as you like)
Venue: Northcote Town Hall, 189 High Street in Northcote

CAREERS IN INFORMATION TECHNOLOGY at Deloitte
At any given time Deloitte is working closely with a range of local and global organisations to develop major enterprise architecture strategies, investigate complex online fraud issues, assess and mitigate organisational risk and develop innovative concepts for improving business efficiency. Employees working for a company like Deloitte will often mean working with technology-related services all the time! Areas including –

- Forensics - Using technical expertise to solve fraud and other financial crime
- IT services - Deliver innovative IT strategy and services across Deloitte
- Risk services - Identify and advise on technological risks for clients
- Online consulting - Use technology to deliver sustained business improvements for clients

For more information about the new wave of careers in Information Technology visit http://mycareer.deloitte.com/au/en/students/technology

CAREER AS A GEOSCIENTIST
Geoscientists (also known as geologists) study the nature, composition and structure of the Earth to increase scientific knowledge and locate materials and minerals. They seek to reconstruct the past observations of the Earth and aim to forecast the future. They also advise on mining, as well as environmental protection and rehabilitation of land after mining.

Geologists may perform the following tasks:
- study the nature and effects of natural events such as erosion, sedimentation, glaciation, earthquakes and volcanic hazards
- locate and manage groundwater resources, investigate groundwater contamination and land salinity
- undertake geochemical sampling of stream sediment and soils
- advise on the geological suitability of sites for structures such as tunnels, roads, coastal installations, bridges and water supply schemes
- contribute information about land use, planning and rehabilitation, and the effects of pollution on sea beds to environmental assessments
- use computers to integrate and interpret data sets of geological information
• prepare geological models to describe processes and predict future situations
• prepare geological reports and maps

To become a geologist students usually have to complete a degree in science or applied science with a major in geology, geological science, applied geology or earth sciences.

Some undergraduate science degrees in Victorian universities, offering one or more of these majors include –

<table>
<thead>
<tr>
<th>University</th>
<th>Degree</th>
<th>Study Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deakin University G, M</td>
<td>Bachelor of Science</td>
<td>Units 3 and 4 – a study score of at least 25 in English (EAL) or 20 in any other English</td>
</tr>
<tr>
<td>La Trobe University A-W, B, M</td>
<td>Bachelor of Science</td>
<td>Units 3 and 4 – English (any) and mathematics (any)</td>
</tr>
<tr>
<td>Monash University Clayton, G</td>
<td>Bachelor of Science</td>
<td>Units 3 and 4 – one of biology, chemistry, mathematical methods (CAS), physics, geography, psychology or specialist mathematics, and a study score of at least 30 in English (EAL) or 25 in any other English</td>
</tr>
<tr>
<td>University of Ballarat Mt. Helen</td>
<td>Bachelor of Science</td>
<td>Units 3 and 4 – mathematics (any)</td>
</tr>
<tr>
<td>University of Melbourne Parkville</td>
<td>Bachelor of Science</td>
<td>Units 3 and 4 – a study score of at least 30 in English (EAL) or at least 25 in any other English, and a study score of at least 25 in mathematical methods or specialist mathematics and in one of biology, chemistry or physics</td>
</tr>
</tbody>
</table>

Personal Requirements of Geoscientists:
✓ enjoy technical and engineering activities
✓ willing to adhere to safety requirements
✓ able to work independently or as part of a team
✓ able to prepare accurate records and reports
✓ able to cope with the physical demands of the job
✓ prepared to work outdoors in a range of environments

Employment Opportunities for Geoscientists:
Geologists work for mining and petroleum companies involved in the exploration, extraction and production of minerals and hydrocarbons; engineering and environmental consultancy firms; geological survey organisations; and state, territory and federal government departments.

Employment opportunities also exist in the securities industry and financial sector where geologists are employed as industry analysts and/or advise on the economic viability of particular mining projects.

Geologists may progress to exploration managers and even company managers or directors. They are highly mobile, both within Australia and internationally. There are some opportunities for self-employment.

For more information, visit the website of The Australian Institute of Geoscientists at www.aig.org.au.

CAREER AS A RADIATION ONCOLOGIST
Cancer has a major impact on the Australian community, with one in every three people developing cancer in their lifetime. Cancer treatment is an important health priority area in Australia. Radiation oncologists are important in the fight against cancer.

Radiation oncology involves three unique medical specialties working together to focus on the treatment of cancer patients with radiotherapy (also known as radiation therapy) — namely radiation oncologists, radiation therapists and radiation oncology medical physicists. Radiotherapy is a proven, effective way to treat cancer and can be used alone or together with other treatments like surgery or chemotherapy (anti-cancer drugs). Using highly precise doses of radiation to damage or destroy cancer cells, radiotherapy is usually delivered to patients in controlled measures, called fractions, over a number of weeks.

The process of delivering radiotherapy treatments is complex and involves an understanding of medical physics, radiobiology, radiation safety and the interaction of radiation with other treatments. Each step in the process of radiotherapy requires strict quality control measures to ensure that patients receive the set treatment correctly. Thus Radiation oncology is an exciting and changing field of medicine. Working in radiation oncology requires excellent communication and teamwork skills and the ability to form respectful and trusting relationships with both adult and child patients and their families to ensure a joint approach to the patient’s treatment.

Students who have an interest in mathematics and the sciences — particularly physics and biology — as well as a desire to use state-of-the-art technology, might find a career in radiation oncology may be for them. For further information on a career in radiation oncology, please visit www.ranocr.edu.au and www.acareerinradiationoncology.com.au

CAREERS IN THE SECURITY INDUSTRY
Security is a profession that is as diverse and challenging as the world around us - from electronics to IT specialists, risk managers, security operatives and administrators.

Why work in the security industry? The security industry is a dynamic and rapidly expanding sector, generating revenues of approximately $4.5 billion per year and employing over 170,000 licensed security personnel. The industry is driven by a high level of technology, diversity and professionalism, attracting people looking to work in a proactive and rewarding environment focused on identifying and preventing problems before they occur in the workplace, home and in the community.

What types of career paths are available? Whether designing and installing a networked access control surveillance system, screening passengers at an international airport, patrolling a retail shopping centre, or working in biometrics, the security industry has a role to suit most!

What qualifications does one need to work in the security industry? The industry is supported by apprenticeships, traineeships, certificates, diplomas and degrees suitable for both new entrants and those already in the industry. Persons entering the security industry will need to meet licensing and training requirements, and these differ from state to state and are dependent on the type of work undertaken. For more information visit the Australian Security Industry Association website at http://www.asial.com.au/jobs

ACCOUNTING TECHNICIANS
Who are Accounting Technicians? What do they do? Accounting Technicians are professional bookkeepers supported and accredited by the Certified Practising Accountants (CPA), Institute of Chartered Accountants (CA) and National Institute of Accountants (NIA). So, Accounting Technicians in businesses are –

- Accounts Payable Officer/Clerk
- Accounts Receivable Officer/Clerk
- Payroll Officer/Clerk
- Finance Manager
- Finance Assistant
- Assistant Accountant
- Bookkeeper
- Trainee Accountant
- Reconciliation Officer/Clerk

A Certificate IV or Diploma of Accounting is the required qualification for these roles and many students choose this pathway to their degree in accounting. Visit http://www.jobguide.thegoodguides.com.au/occupation/view/551111A to find out more about this type of job and also visit www.gat.org.au to find out more about the support out there for people in this industry!

Mandy Ellwood
Careers Counsellor
mellwood@sccmelb.catholic.edu.au