REMINDERS

- Undergraduate Medicine and Health Sciences Admission Test UMAT; Early April – registrations open (needed for Monash medicine and physiotherapy and some interstate medical course applicants)
- The Age’ VCE and Careers Expo 2013 – 2–5 May, Caulfield

CHECK OUT LA TROBE UNIVERSITY – La Trobe University is inviting Year 10–12 students and families to ‘Experience La Trobe’. This is an opportunity to check out courses, see facilities, participate in a workshop of your choice, and speak to staff. When: Melbourne (Bundoora), Fri 5 April; Bendigo, Fri 21 June (school holidays). This is a free event with lunch/entertainment provided. You must register to attend, so visit http://www.latrobe.edu.au/events/2013/experience-la-trobe-melbourne-campus-autumn, or email study@latrobe.edu.au for more information.

NOTE: La Trobe will be offering the Bachelor of Civil Engineering at the Bundoora campus and the Bendigo campus from 2014.

UNIVERSITY OF MELBOURNE Access All Areas

Access All Areas is a series of events especially designed for Year 10 to 12 students and their families, providing an opportunity to explore what the University has to offer. Students are invited to explore the University, and have the opportunity to gather information and talk to staff and students about all aspects of studying and life at Melbourne. There will also be an opportunity to tour our Southbank campus during the day. The program will be run on two days so students should register for the day that suits them best.

Date: Friday 5 April OR Friday 12 April
Time: 9.00am – 3.30pm
Location: Parkville Campus, the University of Melbourne.
Find out more and/or register at http://futurestudents.unimelb.edu.au/explore/events/victoria_and_interstate/victoria/access-all-areas

SCIENCE IN THE CITY – LAB TOURS

Students, parents and teachers are invited to visit RMIT’s state-of-the-art learning laboratories, and see first-hand the broad range of sophisticated equipment and facilities available, and discover what science at RMIT is all about. Lunch or refreshments will be provided.

The tour dates are:
- Thursday 11 April, 1.30 pm - 4.00 pm
- Tuesday 2 July, 11.00 am - 1.30 pm
- Wednesday 25 September, 2.00 pm - 4.30 pm

Register at www.rmit.edu.au/appliedsciences/discover

RMIT READY, SET, DESIGN SERIES

This is a series of three free workshops for Year 12 students where students can:
- find out about different careers and courses in design
- develop their folio
- practice your interviewing and folio presentation skills

Workshop One—Design Bytes

Find out the different types of work you can do in the Australian design industry through this fun two hour workshop. Get information on the different types of design courses available, and the sorts of qualifications you can get. All types of design will be covered including graphic design, product design, games design, photography plus lots more!

Date: Saturday 6 April
Time: 10.00am – 12.00noon
Venue: Swanston Academic Building, 445 Swanston Street, Building 80, Level 4, Room 6

Workshop Two—Folio Bytes

Workshops exploring folio development in different areas of design are run by RMIT design teachers and include photography, multimedia, fashion and textiles, graphic design, industrial design, building design/architecture, environmental design—interiors.

Date: Saturday 6 July
Time: 10.00am – 1.00pm
Venue: RMIT School of Design TAFE, Building 94, 23–27 Cardigan Street in Carlton

Workshop Three—Interview Bytes

Want to know what happens when you get a folio interview for a design course? What sort of questions they ask and how can you prepare to be your best on the day? Get tips from current RMIT students and staff about how to succeed in a folio interview. This free two hour workshop will also give students the chance to practice their folio interview skills.

Date: Saturday 28 September
Time: 10.00am – 12noon
Venue: Swanston Academic Building, 445 Swanston Street, Building 80, Level 4, Room 6

When registering for the ‘Ready, set, design series’, students are registering for all three workshops. Register at http://www.rmit.edu.au/students/services/designseries

RMIT DESIGN BYTES SHORT COURSES

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>FEE</th>
<th>VENUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sat</td>
<td>23 March</td>
<td>10.00am</td>
<td>$50.00</td>
</tr>
<tr>
<td></td>
<td>12.30pm</td>
<td></td>
<td></td>
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<tr>
<td>Sat</td>
<td>4 May</td>
<td>10.00am</td>
<td>$50.00</td>
</tr>
<tr>
<td></td>
<td>12.30pm</td>
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<tr>
<td>Sat</td>
<td>1 June</td>
<td>10.00am</td>
<td>$50.00</td>
</tr>
<tr>
<td></td>
<td>12.30pm</td>
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<td></td>
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<tr>
<td>Sat</td>
<td>24 August</td>
<td>10.00am</td>
<td>$50.00</td>
</tr>
<tr>
<td></td>
<td>12.30pm</td>
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</tbody>
</table>

This 2-and-a-half hour short course is aimed at all senior students interested in entering the design field and wish to gain an insight into design trends, educational and career opportunities, as well as design peak bodies. The course will cover the differences between, and likely outcomes from studying in the following areas, as well as touch on courses at TAFE, University and Private Providers:

- Industrial/Product/Furniture
- Visual Communication/Graphic Design/Certificate IV in Design
- Interior Design/Interior Design and Decoration
- Architecture/Building Design
- Multi Media/Animation/Games
- Visual Merchandising
- Fashion/Textiles
- Photography
- Visual Art

To register a spot, students should visit http://www.shortcourses.rmit.edu.au/keysearch.php?show_public_course=1&select_course_type_code=5320167

ZOO KEEPER OR VET FOR A DAY – Thinking of a career working with animals? Then, what about a ‘Keeper for a Day’ or ‘Vet for a Day’ program in the coming school holidays? Participate in a range of hands-on experiences designed to provide you with an insight into the role of a zoo keeper. On offer:

- Werribee open Range Zoo’s Keeper for a Day program; Ages: 13-18yrs; Cost: $103 (incl morning tea); Book: 9285 9406; See: www.zoo.org.au/werribee/whats-on/keeper-for-a-day
- Healesville Sanctuary’s Vet for a Day program; Ages: 15-18 yrs; Cost: $125 (incl morning tea); Book: 9285 9406;
HOLIDAY PROGRAM at AIE
The Academy of Interactive Entertainment would like to offer students an opportunity to attend the Industry Experience Day on Wednesday, 3rd of April from 10am to 3pm. There will be free workshops in Games Programming and 3D Animation students 15 and above. The purpose of these workshops is to give students an idea of what this kind of industry is like and help them make career decisions and subject selections should they find this field of interest to them. As this event is free, but students must register as numbers are limited. Register at: www.aie.edu.au/Default.aspx?PageID=8025148&A=SearchResult&SearchID=19832470&ObjectID=8025148&ObjectType=1
There is also a school holiday program in Game Design on the Thursday, 4th of April and Friday, 5th of April, from 9:30 am - 4:30 pm. Topics are: 'Make your own game' and 'Let's get Minecrafty', which are 2 days course in duration, at a cost of $240. For more information go to: www.aie.edu.au/courses/holiday_courses/Melbourne_Holidays

SCHOOL HOLIDAY PROGRAM at the RSPCA
Students considering working in the animal industry one day might like to participate in one of the following activities over the Easter holidays: Places are limited.
1. Animal Attendant for a Day (13-18yrs) Thursday 4 April 9:30 – 3:00 pm Is looking after animals, all day, every day your idea of an ideal job? For an Animal Attendant it is! Come and see how our Animal Attendants provide for the animals at the RSPCA.
2. Vet Day (15-20yrs) Wednesday 10 April 9:30 am – 3:00 pm. Are you interested in working with animals in the future? Take a backstage look at the work of vets at the RSPCA. Watch live surgery in our animal hospital, learn about assessing a dog’s health and temperament and spend some quality time with our education animals. Places are limited. Visit http://www.rspcavic.org/services/education/holiday-programs/youth-holiday-program#animal-attendant for more information about any of these programs and/or call Penny on (03) 9224 2286 to book a place.

RMIT B. ARTS (CRIMINOLOGY AND PSYCHOLOGY)
This new program was introduced at RMIT this year! This innovative merger of the fully accredited psychology major with a major in applied criminology provides students with opportunities to develop theoretical understanding, content knowledge and practical skills that go beyond the scope of more conventional psychology courses. Students get to develop emotional and intellectual capacity to succeed in a challenging but rewarding career in fields including policing, corrections, human services, youth justice, customs and welfare services. For those students keen on going on to become psychologist, this course is APAC accredited. For more information about this course, visit http://www.rmit.edu.au/browse;ID=BP295

NEWS FROM HOLMESGLEN INSTITUTE
Bachelor of Nursing
You can complete a Bachelor of Nursing degree at Holmesglen. This nursing degree is a Commonwealth Supported Place (CSP)! The entry requirements are: successful completion of the VCE including units 3 and 4 English (any) with a study score of at least 25, and units 3 and 4 mathematics (any) or equivalent. Students will also need a minimum of a 50 ATAR. The degree is fully accredited by the Nurses Board of Victoria (NBV) and graduates are eligible to apply for registration as a Division 1 nurse in Victoria. For more information about this degree and the course structure, etc. visit www.holmesglen.edu.au/nursingdegree

CSU - Bachelor of Oral Health (Therapy/Hygiene)
Charles Sturt University’s Bachelor of Oral Health (Therapy / Hygiene) is a three-year program, developed with industry to prepare graduates for a career as a dental hygienist or dental therapist, areas of significant skills shortage.
Dental therapists examine and treat diseases of the teeth in children and adolescents through primary to secondary school. Dental hygienists assist dentists in the treatment of patients. They provide skilled preventive services to all patient age groups. Although hygienists work in collaboration with a dentist to determine treatment therapies for each patient, they work independently to deliver these services. This CSU course is now offered at Holmesglen Institute’s Chadstone campus in Melbourne with a final year based in Wagga Wagga, NSW.
To find out more, visit www.csu.edu.au/courses/undergraduate/oral_health

NEW WEBSITE for FINDING COURSES
You should check out this new website at: www.hobsonscoursefinder.com.au. This site provides you with the ability to search for a range of institutions (universities, TAFEs, private providers), explore links between courses and careers, search for scholarships, and access information about tertiary study. You are encouraged to spend some time on this website.

CHARLES STURT UNIVERSITY
Charles Sturt University (CSU) is one of Australia’s many respected national universities offering around 400 courses. Students considering studying dental science, environmental science, forensic studies, pharmacy and physiotherapy might like to spend a few minutes finding out a bit more about these courses offered at CSU.

<table>
<thead>
<tr>
<th>Courses</th>
<th>2013 ATAR</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Dental Science</td>
<td>R.C.</td>
<td><a href="http://www.csu.edu.au/courses/undergraduate/dental_sciences/course-overview">http://www.csu.edu.au/courses/undergraduate/dental_sciences/course-overview</a></td>
</tr>
<tr>
<td>Bachelor of Environmental Science &amp; Management</td>
<td>70.00</td>
<td><a href="http://www.csu.edu.au/courses/undergraduate/environmental_science_management/course-overview">http://www.csu.edu.au/courses/undergraduate/environmental_science_management/course-overview</a></td>
</tr>
<tr>
<td>Bachelor of Forensic Biotechnology</td>
<td>70.00</td>
<td><a href="http://www.csu.edu.au/courses/undergraduate/forensic_biotechnology/course-overview">http://www.csu.edu.au/courses/undergraduate/forensic_biotechnology/course-overview</a></td>
</tr>
<tr>
<td>Bachelor of Pharmacy</td>
<td>R.C.</td>
<td><a href="http://www.csu.edu.au/courses/undergraduate/pharmacy/course-overview">http://www.csu.edu.au/courses/undergraduate/pharmacy/course-overview</a></td>
</tr>
<tr>
<td>Bachelor of Physiotherapy</td>
<td>91.75</td>
<td><a href="http://www.csu.edu.au/courses/undergraduate/physiotherapy/course-overview">http://www.csu.edu.au/courses/undergraduate/physiotherapy/course-overview</a></td>
</tr>
</tbody>
</table>

For a comprehensive list of all undergraduate courses offered at CSU visit http://www.csu.edu.au/courses

BACHELOR OF SCIENCE AT MELBOURNE
This degree provides an enormous range of study options, graduate pathways and career outcomes. Over 70% of students who enrol in the Bachelor of Science degree go on to further study, especially into health science and engineering programs or to further their scientific research interests. Students have the opportunity to undertake their own research in their B. Science by either taking a science research project as a subject, or applying for a number of undergraduate research opportunities over the summer break. There are 35 majors to choose from in the B. Science...and did you know that the inventor of vegemite, Cyril Callister, studied chemistry at Melbourne? Find out more at www.sciencematters.unimelb.edu.au.
WHAT’S THE RIGHT HEALTH JOB FOR YOU?

CAREER QUIZ

Different people are good at different things. This career quiz has been designed to find out more about you and the kinds of things you do best. That information will help us work out the types of jobs you’ll be best suited to, and also the kind of work you’re most likely to enjoy. Take the career test now.

Are you considering a career in the health industry but are undecided about the range of careers you may be suited to? Log on to http://healthheroes.health.gov.au/quiz and try the career quiz! Alternatively, visit http://healthheroes.health.gov.au/ and browse the various videos and numerous jobs in the health industry from acupuncturist to youth worker and many in between!

CARE CAREERS

Care Careers is a very interesting and useful website providing information on the range of jobs and careers available in the ‘Care Industry’ – it is in worked in aged care or in disability care. Visit http://www.carecareers.com.au/ to learn more!

LA TROBE UNI - BACHELOR OF CIVIL ENGINEERING

La Trobe University will be offering the Bachelor of Civil Engineering at its Melbourne campus from 2014! Up until now, this course was only offered at the Bendigo campus. Civil engineering is the design and construction of most basic infrastructure while protecting the surrounding environment. This may include bridges, multi-storey buildings, highways, railways, tunnels, airports, domestic water supplies, irrigation systems, flood protection works and the collection and disposal of wastes and wastewater. Civil engineers may manage people and projects, oversee construction, work as a city engineer or work in design, construction, research and teaching. Specialties include structural, construction, environment and transportation.

Prerequisite VCE subjects are: VCE Units 3 & 4: English (any), Mathematical Methods, and either Physics or Specialist Mathematics. Students studying civil engineering at La Trobe may choose to combine with science or business in a double degree program. For more information, visit http://www.latrobe.edu.au/courses/civil-engineering .

CERTIFICATE III IN ENGINEERING (ELECTRICAL & ELECTRONIC TRADE)

Holmesglen Institute introduced this one-year, full time course to provide students with the practical skills and knowledge required for a non-licensed engineering electrical/electronic tradesperson employed in the manufacturing, mining, oil and sustainable energy industries. The skills developed at this level include fault finding, service, modification of machinery and equipment and maintenance programming. Students also learn about programming and commissioning of PLC, HMI screens, inventor drives, and automation systems. On successful completion students are eligible to receive the nationally endorsed Certificate III in Engineering (Electrical/Electronic Trade). Also, on completion, graduates can seek employment immediately as they do not have to complete an apprenticeship. Alternatively, graduates may choose to pursue further study in Certificate IV in Engineering, Certificate IV in Competitive Manufacturing and Certificate IV in Manufacturing Technology. To find out more, call (03) 9209 5690, email Charles Vella at charles.vella@holmesglen.edu.au or visit http://www.holmesglen.edu.au/careers/electrical_and_it_courses/certificate_iii_in_engineering_electricalelectronic_trade

NEWS FROM DEAKIN UNIVERSITY

ARE YOU INTERESTED IN...

- Exercise and Sport Science
- Food & Nutrition
- Human Nutrition
- Dietetics

Graduates from courses within the School of Exercise and Nutrition Sciences at Deakin University can look forward to a rich and rewarding career in their chosen field. Visit http://www.deakin.edu.au/health/ens/careers/index.php and find out more! The opportunities are there if students research the options!

 Bachelor of Food & Nutrition

The Food and Nutrition course has a very strong focus on people’s health, and students gain an understanding of food, including food choice and its relationship to health, as well as the role of nutrition in human health and disease prevention (dietetics focuses more on assisting people who already have a disease). Students get the opportunity to undertake elective units of study in complementary areas such as health promotion, psychology, physical activity and health or exercise science. For students keen on a career in the food industry, it is recommended that they undertake a food science major sequence, which provides knowledge and skills for employment in the food industry. Students may also choose to undertake an industry placement elective unit to get hands-on experience within their degree.

From this diagram, students can note that there are different areas a degree in Food and Nutrition can take them. Students who want to find out more about these areas, visit http://www.deakin.edu.au/health/ens/careers/food-nutrition/index.php and click on the links of most interest.

New Majors in the Bachelor of Health Sciences

The Faculty of Health has introduced a few new majors in the Bachelor of Health degree. These include – Health and Sustainability

For students concerned about the environment and how it affects our health! For students who want to be at the forefront of public health and health promotion in dealing with climate change and other sustainability issues! The Health & Sustainability Major will lead to potential employment in community based and professional settings including local, state and federal governments, non-government agencies, and health and community services.

Environmental Health
Are you passionate about the environment and how it affects our health? Want to find some solutions? Want to be a leader in the field of environmental health? The Environmental Health Major will lead to potential employment in a variety of professional settings including local, state and federal governments, private agencies, and research services.

**Medical Biotechnology**

Do you enjoy reading about and/or watching programs about medical research and innovation? Do you have an inquisitive mind? Are you curious about how the human body works and how it can be improved? Do you enjoy laboratory practicals? The Medical Biotechnology Major can lead to a career in -

- Health & Medical Research
- Clinical Trials
- R&D – Pharmaceuticals, Medical Devices, Vaccines
- Sales – Pharmaceuticals, Medical Devices, Vaccines
- Health-related Education
- Higher Research degrees
- Entry into graduate-entry programs, such as Bachelor of Medicine Bachelor of Surgery

For more information visit [http://www.deakin.edu.au/future-students/courses/course.php?course=H3000&stutype=local&keywords=health#MAJOR-SEQUENCES-LIST](http://www.deakin.edu.au/future-students/courses/course.php?course=H3000&stutype=local&keywords=health#MAJOR-SEQUENCES-LIST), or email [health-hsd@deakin.edu.au](mailto:health-hsd@deakin.edu.au).

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**YOU WANT TO STUDY PHOTOGRAPHY? Courses are available at university, TAFE and at some independent colleges.**

This is a range of suggestions only.

- **RMIT** offers a Bachelor of Arts (Photography) at its City campus, and also a ‘major’ in photography in its fine arts degree; Deakin offers a ‘major’ in photography in its arts, film and TV, and film and digital media and its media and communications degrees, La Trobe offer a ‘major’ in photojournalism in its arts degree and Monash (Caulfield) offers photography in its visual and fine art degrees.

- A Diploma of Photoimaging is available at a number of TAFEs including Holmesglen, NMIT, RMIT, while photography is offered in a number of TAFE visual arts diplomas (eg NMIT, Swinburne, and VU).

- Photography is also offered at independent colleges such as the Photographic Imaging College in Hawthorn and the Photography Studies College at Southbank.

Want to study photography? Then attend Open Days. Choosing a course without visiting is unwise.

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**YOUR CAREER AS A FORENSIC SCIENTIST**

Forensic scientists apply scientific procedures and techniques to the examination of physical evidence that may assist in legal investigations. A forensic scientist performs the following tasks:

- identify illicit drugs
- analyse drugs and poisons in human tissue and body fluids, including blood alcohol results
- examine and compare materials such as fibres, paints, cosmetics, oils, petrol, plastics, glass, metals, soils and gunshot residues
- examine human and animal biological material to be compared with victims and suspects using DNA profiling
- conduct botanical identification of plant materials at trace levels and whole-plant identification (e.g. cannabis)
- conduct document examinations, both physical (e.g. handwriting, typewriting) and chemical (e.g. analysis of inks and papers)
- examine crime scenes
- identify firearms and ammunition (forensic ballistics)
- detect, enhance, recover and identify latent fingerprints, footprints, tool marks, shoe marks, tyre marks and tracks
- examine fire/explosion scenes to establish origin and cause
- improve the clarity of and analyse audio recordings

- produce reports, appear in court and present scientific and/or opinion testimony accurately and in a manner which is readily understood by the court
- make presentations to a wide variety of audiences on the work of forensic scientists
- keep contact with, and provide advice to, police investigators, scientists and pathologists across a broad range of disciplines

A wide range of expertise is required in forensic investigations. A forensic scientist may specialise in chemistry, physics, biochemistry, molecular biology, botany, geology, metallurgy, pharmacology, toxicology, crime scene examination, firearms examination, fingerprint, and document examination.

**Forensic scientists need to –**

- have good communication skills
- be able to remain unbiased in the examination of potential court evidence
- be meticulous and capable of clear, logical and lateral thinking
- be able to work as part of a team
- demonstrate initiative and motivation
- have perseverance
- have good observation skills

To become a forensic scientist, students need to study science at university with a major in forensic science or forensic biology. To get into these courses students usually need a VCE pass and have the necessary prerequisite subjects (eg Chemistry)

The main employers of forensic scientists are state and federal government health departments and state, territory and federal police forces. The Australian Federal Police Forensic and Data Centres Division in Canberra employs forensic scientists in the disciplines of crime scene examination, fingerprint identification, firearms and ammunition identification, document examination, forensic biology and forensic chemistry.

Forensic science is a highly competitive industry. Some forensic scientists have extensive experience in a particular scientific field (microbiology, chemistry, physics) before moving into forensics.

**Some courses offering studies in forensic science include –**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>INSTITUTION</th>
<th>PREREQUISITES</th>
<th>ATAR 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forensic Biotechnology</td>
<td>Charles Sturt University</td>
<td>There are no prerequisite studies</td>
<td>70.00</td>
</tr>
<tr>
<td>Forensic Science</td>
<td>Deakin University</td>
<td>Units 3 and 4-a study score of at least 25 in English (ELI) or 20 in any other English, and a study score of at least 20 in mathematics (any).</td>
<td>57.55</td>
</tr>
<tr>
<td>Forensic Science / Criminology</td>
<td>Deakin University</td>
<td>Units 3 and 4-a study score of at least 25 in English (ELI) or 20 in any other English, and a study score of at least 20 in mathematics (any).</td>
<td>66.75</td>
</tr>
<tr>
<td>Criminal Justice Administration</td>
<td>RMIT University</td>
<td>Units 3 and 4-a study score of at least 30 in English (ELI) or at least 25 in any other English.</td>
<td>85.40</td>
</tr>
<tr>
<td>Laboratory Medicine</td>
<td>RMIT University</td>
<td>Units 3 and 4-chemistry, and one of mathematics (any) or physics, and a study score of at least 30 in English (ELI) or at least 25 in any other English.</td>
<td>80.04</td>
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<tr>
<td>Psychology and Forensic Science - Arts</td>
<td>Swinburne University</td>
<td>Units 3 and 4-a study score of at least 30 in English (ELI) or at least 25 in any other English.</td>
<td>70.60</td>
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<tr>
<td>Psychology and Forensic Science – Social Science</td>
<td>Swinburne University</td>
<td>Units 3 and 4-a study score of at least 30 in English (ELI) or at least 25 in any other English.</td>
<td>66.25</td>
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</tbody>
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Mandy Ellwood
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