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 of Melbourne has to offer. Students are invited to explore the University of Melbourne and have the opportunity to gather information and talk to University 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

Bond University Student Experience Day

Year 11 and 12 students interested in studying at Bond University might be interested in taking up an opportunity to spend a day up at Bond University during the upcoming school holidays.

The cost of the Bond University Experience is $90 per person which includes the following:

- Return airfare from Melbourne to the Gold Coast (fully escorted)
- Transfers to and from the campus
- Briefings from each of our 5 Faculties
- Campus Tour
- Accommodation presentation and tour
- Lunch and light refreshments
- Information pack

Date: Wednesday April 10, 2013
Time: Flight departs from Melbourne Airport at 6:00am & returns at 8:05pm

The day trip is limited to 30 students so it is important to register early. Registrations should be made online at http://bondexperiencevictoria.eventbrite.com. Please note that students will be required to make their booking payment at the time of registering.

Flight details and travel information will be sent to students once they have registered. To view the full program, visit http://bond.edu.au/prod_int/groups/public/@pub-admissionsdom-gen/documents/form/bd3_025339.pdf.

Should students have any queries in this regard, contact Jennifer Graham on 0419 561 927.
Keeper for a Day

Are you thinking of a career in working with animals? Would you like the opportunity to go behind the scenes with some precious and endangered Australian animals?

Both Healesville Sanctuary and Werribee Open Range Zoo are running a 'Keeper for a Day' program these upcoming school holidays! Both programs are geared towards showcasing what it is like to work with animals and for students to get to watch keepers and learn what a rewarding job they have!

To find out more or to register for the Werribee Open Range Zoo Program, visit http://www.zoo.org.au/werribee/whats-on/keeper-for-a-day
To find out more or to register for the Healesville Sanctuary Program, visit http://www.zoo.org.au/healesville/whats-on/keeper-for-a-day

Are you interested in...

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 basic infrastructure whilst still protecting the surrounding environment. This may include bridges, multi-storeyed 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 a construction, be 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 this with science or business in a double degree program.

For more information, visit http://www.latrobe.edu.au/courses/civil-engineering .

Careers 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 may perform 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 and explosion scenes to establish the 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 usually have 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.

The main employers of forensic scientists are state and federal government health departments and state, territory and federal police forces. The Australian Federal Police, through its 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 had extensive experience specialising in a particular scientific field such as microbiology, chemistry or physics before moving into the forensic area.

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>
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<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 (ESL) 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 (ESL) 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 (ESL) 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 (ESL) or at least 25 in any other English.</td>
<td>80.04</td>
</tr>
<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 (ESL) or at least 25 in any other English.</td>
<td>70.60</td>
</tr>
<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 (ESL) or at least 25 in any other English.</td>
<td>66.25</td>
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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' – be it working in aged care or in disability care. Visit [http://www.carecareers.com.au/](http://www.carecareers.com.au/) to learn more!
Ready, Set, Design Series

'Ready, set, design series' 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, like the 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](http://www.rmit.edu.au/students/services/designseries)

Design Bytes Short Course

DATE  Sat 23 March, Sat 4 May, Sat 1 June & Sat 24 August
TIME  10.00am – 12.30pm
FEE  $50.00
VENUE  RMIT University, Building 94, 23-27 Cardigan Street, Carlton

This 2-and-a-half hour short course is aimed at all senior students interested in entering the design field and who 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:
To register a spot, students should visit

Bachelor of 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 the emotional and intellectual capacity to succeed in a challenging but rewarding career 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

La Trobe University
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 basic infrastructure whilst still protecting the surrounding environment. This may include bridges, multi-storeyed 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 a construction, be 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 this with science or business in a double degree program. For more information, visit http://www.latrobe.edu.au/courses/civil-engineering .

New ACU Courses 2014
ACU will be introducing a range of new courses at the Melbourne campus in 2014. These include:
Faculty of Business
- Bachelor of Accounting and Finance
- Bachelor of Information Technology
Faculty of Education
- Bachelor of Teaching/ Bachelor of Arts (Visual Arts)
- Bachelor of Education Primary (Honours)
Faculty of Health Sciences
- Bachelor of Applied Public Health/Bachelor of Global Studies
- Bachelor of Exercise Science/ Bachelor of Public Health
- Bachelor of Exercise Science/ Bachelor of Business Administration
Visit www.acu.edu.au for more information!

Career as a Finance Manager
Finance Managers plan, direct and coordinate the financial and accounting activities of organisations. They also direct the preparation of financial reports and when these reports are in, compare them with previous years to gain an idea of how the organisation is doing. Besides studying English/EAL in the VCE, mathematics is also an important subject to have. There are numerous commerce, business, accounting and finance degrees offered in Victoria and interstate – all leading towards careers in finance.
Allied health professionals work alongside doctors and nurses to provide the best health care for all. In Australia, this represents 20% of the country's healthcare workforce; a sizeable proportion which continues to grow. Together with doctors and nurses, allied health professionals are regarded as the third pillar of health care providers in Australia.

Some allied health careers include:

- Audiologist
- Dietician
- Speech Pathologist
- Occupational Therapist
- Health Info. Manager
- Physiotherapist
- Podiatrist
- Nutritionist
- Orthoptist
- Paramedic
- Osteopath
- Prosthetist/Orthotist

Another useful website to browse is that of the Allied Health Professionals Australia - http://www.ahpa.com.au/

New Courses at Bond University

Bachelor of Interactive Media and Design
The Bachelor of Interactive Media and Design is a 2 year program aimed at preparing communicators and designers for careers in the dynamic field of interactive media, as applied to a wide range of applications. The program is founded on the growing market power of the creative industries, which are based on design, web and procedural communications. Students can major in two of five areas: Digital Media Design, Computer Games, Advertising, Communication, Film and Television. Students will also have access to numerous work experience and internship opportunities. For more information visit http://www.bond.edu.au/study-at-bond/undergraduate-degrees/list/bachelor-of-interactive-media-and-design/index.htm

Bachelor of Global Studies (Sustainability)
The 2 year Bachelor of Global Studies (Sustainability) is founded on the growing relevance of sustainability to business, government and community; integrating economic, social and environmental perspectives. Students will learn the multi-disciplinary approach to addressing the complex challenges of global sustainability. The program challenges students to critically review local sustainability issues in a global context. Topics covered include global issues of human development, such as; social injustice, environmental degradation, conflict and resource scarcity, as well as local issues including environmental planning and impact assessment. Students will also have access to numerous work experience and internship opportunities. For more information visit http://www.bond.edu.au/study-at-bond/undergraduate-degrees/list/bachelor-of-global-studies-sustainability/index.htm

Careers in Science

Want to know more about careers in earth and physical sciences? Browse through detailed information on over 100 careers to discover what scientists really do and what it takes to prepare for these careers.

Each career profile provides basic career information such as salary, job outlook, degree requirements, etc. We have also included videos featuring interviews with real scientists or on the job profiles.

Career as an Exercise Physiologist

An exercise physiologist is an Allied Health professional who specialises in the benefits of exercise to assist patients in improving fitness, for all around good health, or to treat patients with a medical condition through exercise. If you like being physically active and are intrigued by the concept of managing medical conditions through exercise, then you may be interested in a career as an exercise physiologist. They are much more than an ordinary personal trainer at the gym.

- Exercise physiologists study at university and have a wide range of knowledge about the human body and the benefit that exercise has on it, both mentally and physically
- Exercise physiologists are knowledgeable about the effects that exercise has on the musculoskeletal system, as well as on the cardiovascular and endocrine systems. They can prescribe a course of exercises for either fitness or rehabilitation.
- Exercise physiologists can treat medical conditions such as obesity, arthritis, diabetes, cancer, osteoporosis, depression, asthma and cardiovascular diseases, as well as many other conditions.

Developing new and healthy habits for patients, thus enabling them to manage their medical condition in the best possible way is a large part of their job. They can also work alongside physiotherapists, occupational therapists and podiatrists.

Exercise physiologists may work in private practice, in gyms, in medical centres or in hospitals. Their patients may range from children to senior citizens. Exercise physiologists can also work in the sports medicine research area or in the field of professional sport.

A career as an exercise physiologist can be very rewarding. Exercise physiologists help people to become fitter and healthier through exercise programs that they have created for them, as well as helping them to manage their medical conditions in an optimal way.

How do you become an exercise physiologist?
Students need to study at university and complete a four year degree course in Exercise Physiology. The course covers biomechanics, physiology, psychology and nutrition. The course work includes creating fitness and rehabilitation programs. Should a university of your choice not offer a degree course called Exercise Physiology, there are other courses a student can undertake instead. For instance at some universities the relevant course may be called, Bachelor of Science, Bachelor of Exercise and Sports Science or Bachelor of Applied Science and only be a three year degree course. Students would then complete a post-graduate program in Exercise Physiology.

All exercise physiologists in Australia should be accredited with Exercise and Sports Science Australia (ESSA). Once a student has completed their degree course they can then apply for membership to ESSA. For more information on ESSA visit [http://www.essa.org.au/](http://www.essa.org.au/)

Exercise Physiology courses are offered at the following Victorian universities:

The Diploma of Digital Media Technologies offered at Holmesglen Institute incorporates the -

- Certificate IV in Web-Based Technologies / Certificate IV in Digital Media Technologies

OR

- Certificate IV in Digital and Interactive Games/Certificate IV in Digital Media Technologies

Depending on which stream students choose, there will be specific units that are unique to their chosen course! In general though, this course is the ideal pathway into the multimedia, web and gaming industries. Students will learn the tools and techniques required to use industry standard web, multimedia and gaming applications.

Cutting edge technology will be explained including: web design/development, animation, custom built mobile apps for iOS iPad/iPhone and Android, content management systems, online stores, social network marketing, 3D modelling, game programming and photography/video. Students will work on industry related projects developing essential management and team skills required in industry.

This course is studied full time, 3-4 days a week for 18 months. Graduates will receive a Diploma of Digital Media Technologies with the option of specialising in either web development or gaming by choosing to study one of two dual qualifications embedded in the Diploma; Certificate IV in Web-Based Technologies/Digital Media Technologies or Certificate IV in Interactive Games/ Digital Media Technologies.

For more information visit


Holmesglen Chadstone

Bond University

RMIT Melbourne

Monash University Clayton

Swinburne University Technology Campus

The University of Melbourne

LaTrobe University

Deakin University