FOCUS ON CAREERS IN FOOD SCIENCES AND NUTRITION

This article focuses on four career areas relating to food- food science, nutrition and dietetics, home economics and food safety.

Nutritionists and Dietitians work with people:

- To improve their health and wellbeing through diet and lifestyle
- Who have health conditions like diabetes and high blood pressure that can be improved by changes to their diet
- Who experience anorexia/bulimia
- In hospitals, community centers, schools etc.

Home Economics/Food Technology Teachers:

- Teach students to cook nutritious meals in schools and have an understanding of food safety.

Food Safety Officers

- Investigate complaints about food safety, and ensure shops, restaurants and food processors follow health regulations.

Food scientists are responsible for

- Making food tastier, healthier, and safer for people
- Inventing new foods and flavours and studying how consumers like them
- Studying how packaging preserves food after it has been processed
- Sustainable agricultural food processing
- Influencing people’s eating behaviours so they are more healthy
- Improving the health of people by influencing what they eat through marketing.

You can study vocational and higher education courses in these career areas

To find Victorian courses, go to www.coursecamel.com/
For NSW courses, go to www.uac.edu.au/

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Nutrition: To become a nutritionist, you can undertake study to be an:

- Associate Nutritionist- You must complete a three year undergraduate degree with a major in nutrition or equivalent
- Registered Nutritionist: You meet the Associate Nutritionist requirement and have three years of subsequent nutrition-related experience or formal study.

Dietetics: You must study a course approved by the Dietitians Association of Australia. You can study a four year approved undergraduate degree or a Bachelor degree with an approved Masters degree.

The following are accredited programs in Victoria and Canberra.

- Bachelor of Nutrition and Dietetics, Monash University
- Master of Dietetics, Deakin University
- Master of Nutrition and Dietetics, University of Canberra

Home Economics/Food Technology teaching: You can study to teach home economics and food technology at the primary and secondary school level. You can study four year undergraduate degrees at universities such as:

- Edith Cowan University
- Victoria University
- Charles Sturt University.
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Food safety: You can study courses such as environmental health and public health at universities such as:

- Australian Catholic University
- Deakin University
- Swinburne University

Food science: You can study food science at the vocational and higher education level. You can study courses at institutions such as:

- University of Melbourne
- Victoria University
- William Angliss
- Deakin University
- RMIT
- Federation University
- Swinburne University

What subjects should I study at school? You should consider studying mathematics, biology, food technology, chemistry, physical education, health and human development and/or VET Hospitality.

What are the jobs?

- Nutritionist
- Laboratory analysis
- Quality assurance
- Quality control
- Food policy officer
- Consumer enquiries
- Food safety officer
- Dietitian
- Product development
- Research
- Health Promotion
- Marketing
- Sensory analysis
- Teaching

Key websites:

- Nutrition Australia, www.nutritionaustralia.org/
- Dietitians Association of Australia, www.nutritionaustralia.org/
- Home Economics Victoria, www.nutritionaustralia.org/

VOCATIONAL & HIGHER EDUCATION NEWS

Interested in logistics? The Victorian Transport Association can assist you to secure a cadetship in logistics. “Logistics involves the integration of information, transport, and handling of these materials to meet customer needs”. You must be at least 18 years old, have completed Year 12 and either have or nearly have your drivers license. For more information, go to www.vta.com.au

Applying for a Monash University Art, Design or Architecture course? Registrations and the Architecture pre-selection activity are due Friday 24 October 2014. You will need to register on the MADA website at www.artdes.monash.edu.au after you apply through VTAC.

Have you considered a career in hydrographic surveying? Hydrography is a spatial science and it involves the charting and mapping of the topographic features of water. The Surveying and Spatial Sciences Institute and the Royal Institution of Australia (RIAus), have produced a video about careers in this industry. The video ‘Hydrography as a Career’ is available on YouTube www.youtube.com/watch?v=rFQ1lpkW81Y#t=20.

Work Experience at Sea Life Melbourne Aquarium: Applications for the 2015 work experience program will open on 20 October. Only a small number of students are accepted each year. Please bookmark the page below and check closer to the opening date for information on how to apply, www.melbourneaquarium.com.au/

Save the date! The VCE and Careers Expo 2015 will be held between 7 – 10 May at the Caulfield Racecourse, Victoria, www.vceandcareers.com.au

Top Tips from Monash Uni on preparing for exams- eating right, revision resources, coping with a heavy workload, proof reading, writing great study notes etc. Make sure you sign up to Destination Monash to receive updates! http://destinationmonash.tumblr.com/
**Diploma courses at La Trobe University:**

Unsure of what to study next year? Want to ‘try’ a course at university, but not ready to commit to a degree? La Trobe University is offering the following diploma courses, which will give you credit for the first year of selected bachelor degrees:

- Diploma of Arts – all regional campuses
- Diploma of Business – all regional campuses
- Diploma of Health Sciences – Bendigo campus

Applications are made direct to the University. For more information, go to [www.latrobe.edu.au/courses](http://www.latrobe.edu.au/courses).

**Indigenous Tertiary Scholarship:** Applications are now open for the AIEF-BHP Billiton Tertiary Scholarships and will close Friday, 7 November. The scholarships are awarded to outstanding Indigenous students wishing to study engineering or other mining related degrees and who aspire to work for BHP Billiton in the future and become a leader in business. For information on eligibility requirements, go to [http://www.aief.com.au/scholarships/tertiary-scholarships/](http://www.aief.com.au/scholarships/tertiary-scholarships/)

**Creative Arts Industries at Victoria University (VU):** VU’s Bachelor of Creative Arts Industries is popular with students who have a flair for the creative arts, and want industry experience in a creative field. Students can focus on creative writing, digital media, performance studies, visual arts or music, with the opportunity to apply their creativity, knowledge and skills in a real-world context. To explore the course, go to this link, [www.vu.edu.au/courses/](http://www.vu.edu.au/courses/).

Interested in pursuing a trade in the future? You have the opportunity to complete your Year 11 and 12 at the Simonds Building and Trade Program run by SEDA and the Builders Academy Australia at Point Cook, Victoria. Students will complete the Victorian Certificate of Applied Learning (VCAL) and VET Building and Construction. The overarching theme for the program is ‘5 Star Apprentices for 5 Star Employers’. For information, go to [http://sedagroup.com.au/programs/](http://sedagroup.com.au/programs/).
Changes to Law at the Australian National University (ANU): From 2015, the Bachelor of Laws will be offered as an embedded Honours program. Students will be able to undertake the degree as a single degree or as part of a flexible double degree. In addition to an enhanced focus on research, the new program will equip students with a broader range of skills, a stronger foundation for postgraduate study and reflects the research-intensive status of ANU, http://law.anu.edu.au/llb

Interested in Engineering or Computing? Australian National University has developed a new special admissions scheme for students who may not achieve the ATAR of 90 required for direct admission into Engineering, Software Engineering, or Advanced Computing. The new scheme enables students to demonstrate aptitude, motivation, and interest in these disciplines. Students will need to obtain an ATAR between 80 – 89.95 to be considered. Applications are due by 3 November, http://cecs.anu.edu.au/future_students/sas

NMIT is now Melbourne Polytechnic: Northern Melbourne Institute of TAFE (NMIT) offers vocational and higher education courses and is a popular choice for many students. There are 13 campuses across Victoria. NMIT will be progressively rebranded to Melbourne Polytechnic and continue to offer flexible learning pathways, and a wide range of course options, www.nmit.edu.au/

University Extension Program Information Evenings: If you are a high achieving Year 11 student and would like the challenge of undertaking a university subject in Year 12, you may wish to apply for the Monash, La Trobe or Melbourne University Extension Program. They will be running Information Evenings on:

- **Monash University**: Wednesday 15 October at the Clayton Campus. For more information and to register, go to www.monash.edu/extension
- **La Trobe University**: Thursday 16 October at the Bundoora Campus, www.latrobe.edu.au/events/
- **University of Melbourne**: Tuesday 21 October at the Parkville Campus, http://futurestudents.unimelb.edu.au/info/

Hands on Monash Indigenous Summer Camp: This camp is running between 7 - 9 December at the Clayton Campus. Over three days, students will be able to experience:

- Cultural activities
- Social activities
- Hands on workshops in areas such as law, engineering, health sciences, art and design, information technology, business and education
- Sport
- Careers and course advice

For information and an application form, please contact Kristel Keleher on 03 9905 8699, kristel.keleher@monash.edu

Trinity Young Leaders Summer School: Trinity College at the University of Melbourne is running their annual intensive two-week residential program for talented students aged 14 – 17 years. Students will have the opportunity to:

- Engage in interactive teaching
- Participate in excursions and group work
- Develop skills in critical and creative thinking, teamwork, public speaking, communication etc.
- Explore University of Melbourne courses
- Immerse themselves in a ‘themed week’ (i.e., biomedicine, social justice, arts)

The program will run between 30 November – 14 December. For more information and to register, go to www.trinity.unimelb.edu.au/young_leaders

Year 9 and 10 Physics Career Day: The University of Melbourne is teaming up with Scienceworks to run an event exploring careers in Physics on Saturday 25 October at Scienceworks, Melbourne. You will be able to view the Planetarium, learn about VCE astronomy and astrophysics, view the electricity show and listen to a panel discussion about careers in physics. Please order tickets by 23 October by phoning 03 9392 4819, http://museumvictoria.com.au/scienceworks/