

Weekly Career News

Term 2

Wednesday 26 April 2017

FOCUS ON PHYSICS CAREERS

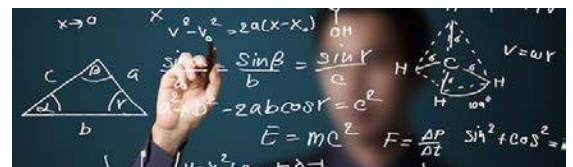
Love physics? There are many amazing occupations suited to students who love physics. The following are three examples:

- **Radiation Oncology Medical Physicists:** are highly specialised professionals “who create, implement and monitor the procedures which allow the best treatment using radiation, taking into account the protection and safety of patients and others involved in the treatment process. In their role, they are consulted by radiation oncologists and radiation therapists to provide advice as to the best use of medical radiation for treatment”. For information, go to <http://tinyurl.com/l32v8hs>
- **Geophysicists:** study the structure and composition of zones below the surface of the earth by taking measurements using seismic, gravity, magnetic and electrical data collection methods. Geophysicists can spend their time outdoors using advanced technologies to study features of the earth, and spend time indoors using computing technology to develop and analyse mapping, calculations and modeling. Many Geophysicists find work in the mining and petroleum industries. For more information, go to <http://bit.ly/2p7svOE>
- **Physicists:** “Physicists study the behaviour of the physical world at the most basic level and find practical ways to apply new knowledge gained from their research in areas of science and technology. Physicists are usually identified within three broad roles: theoretical physicists, who develop theories or models of how particular aspects of the world work, experimental physicists, who test these theories, determining their limits and suggesting new approaches to them, and applied physicists, who apply these findings in practical settings, such as within industry and through the introduction of new technology”, <http://bit.ly/2oCsEYb>

FOCUS ON PHYSICS CAREERS

Key websites

- **Myfuture:** create an account > click on Career Bullseyes > click on Physics > click on the occupations that sound interesting to you to learn about them, www.myfuture.edu.au/
- **Careers with STEM:** you can research the science, technology, engineering and maths careers that will be in demand in the future, <https://careerswithstem.com/>
- **Australian Institute of Physics:** learn about the different physics groups in Australia, including groups for Atomic and Molecular Physics, Nuclear and Particle Physics, and Solar Terrestrial and Space Physics, <http://bit.ly/2pr5NDO>
- **Good Universities Guide:** search for Australian TAFE and University courses, <http://bit.ly/2klbTQa>



VOCATIONAL & HIGHER EDUCATION NEWS

Science news: Be inspired by the latest stories featured on RiAUS – Australia’s Science Channel. Some of the topics covered this week include:

- Five Australian inventors whose innovative designs revolutionised the first World War
- Gluten free diets
- Superbugs in space

Access the stories at this link - <http://bit.ly/2pr7oK6>

TAFE to university at La Trobe University: Students interested in studying nursing, early childhood education or social work at La Trobe University, can undertake a TAFE pathway at one of their partner institutes. Students who receive an offer for the eligible TAFE course will also receive an offer to the La Trobe University Bachelor degree. The TAFE and university courses are listed below.

- Diploma of Nursing > Bachelor of Nursing (Pre Registration)
- Diploma of Early Childhood Education and Care > Bachelor of Early Learning
- Diploma of Community Services > Bachelor of Human Services/Master of Social Work

To check if a TAFE near you is part of this dual enrolment scheme, go to <http://bit.ly/2fC0OeZ>

Industry experience at Federation University:

Castlemaine Goldfields and FedUni joined forces to provide a work placement program for students studying Geology, Mining Engineering and Mineral Processing. Seven students were provided with access to geology, engineering and metallurgy professionals working within the mining industry at the Ballarat Gold Mine. The program was designed to assist the students in gaining valuable workplace experience, specific career observation and development in their chosen field of study. For information about these courses, go to:

- Bachelor of Engineering (Mining) (Honours), <http://bit.ly/2p7P85z>
- Bachelor of Geoscience, <http://bit.ly/2oAnhty>
- Mineral Processing, <http://bit.ly/2q57tPR>



Interested in robotics? Ricardo Cannizzaro completed the Bachelor of Engineering (Robotics and Mechatronics) at Swinburne University. In 2015, he undertook work experience as part of his degree at the Defence Science and Technology Group. He then gained employment with the company as a Robotics Specialist. For information about the work experience Ricardo undertook and the university course, go to <http://bit.ly/2pbr5EO>

Support for elite athletes and performers at university: several universities offer support programs for students who are elite athletes, coaches of athletes and performers (i.e., acting, music, film). Support may include financial, academic, and flexible study arrangements. The following are examples of three universities who offer the program:

- Federation University, <http://bit.ly/2o7EBIK>
- Australian Catholic University, <http://bit.ly/2o12kKd>
- University of Melbourne, <http://bit.ly/2bXqxMh>

Victorian Indigenous Engineering Winter School:

Indigenous Australian students in Years 11 and 12 are invited to apply for this fantastic program. Between 1 – 7 July, students will explore engineering at four Melbourne based universities, meet Indigenous Engineering professionals, and participate in engineering site visits. For information and to apply by Friday 2 June, go to <http://bit.ly/1r9c5oK>

Work Integrated Learning (WIL) at Australian Catholic University (ACU):

If you are considering studying a course at ACU that has a WIL component, you can learn about the program at the following link - <http://bit.ly/2ojV0eK>

Interested in music? Collarts is a private college in Melbourne offering the following vocational and university level music courses:

- Audio Production
- Entertainment Management
- Music Performance
- Music Production
- Entertainment Journalism
- Content Creation

Students engage in industry experience, are taught by leaders in their field and can apply to undertake exchange programs in the USA and Germany. For information, go to <https://collarts.edu.au/>



ENTERTAINMENT
MANAGEMENT



ENTERTAINMENT
JOURNALISM



MUSIC
PRODUCTION

UPCOMING EVENTS

Interested in agriculture or veterinary science? The Faculty of Veterinary and Agricultural Sciences at the University of Melbourne is hosting the Werribee Open Day on Saturday 29 April, 10.00am – 3.00pm, 250 Princes Hwy, Werribee, Victoria.

You will be able to:

- Explore the popular Bachelor of Agriculture, Doctor of Veterinary Medicine and Diploma of General Studies programs
- Explore careers in science, veterinary nursing, and equine studies
- Tour the world class Veterinary Teaching Hospital

For more information and to reserve your place, go to <http://bit.ly/2oWqpSY>



Explore creative careers: SAE Qantm is a private college that has campuses all around the world, including Melbourne. They offer vocational and higher education courses in:

- Animation
- Film
- Sound Production & Audio Engineering
- Games Development
- Graphic, Web and Mobile Design
- Interactive Technologies
- Photography

An information evening will be held on Tuesday 2 May. People who register for the event and attend will be eligible to win a Sonos PLAY:1 Wireless Hi Fi Music System, <http://bit.ly/2osBoVf>

Inside Monash Seminars: Monash University are running a series of after school information sessions about courses areas in May (e.g., teaching). Prospective students are encouraged to attend. You will be able to learn about courses, prerequisites, graduate outcomes, and you will be able to speak to lecturers and current students. For a list of course areas, dates, and venues go to <http://bit.ly/1Scshkl>

UPCOMING EVENTS

APRIL

- **26, 27: Meet Melbourne University**, Albury (26) and Shepparton (27), <http://bit.ly/2pKUXET>
- **29: Open Day**, Southern School of Natural Therapies, Melbourne, www.ssnt.edu.au/
- **29: Expo**, Australian College of Nursing & Health Expo, Melbourne, <http://bit.ly/2nXwWhv>
- **29: Werribee Open Day**, University of Melbourne, Agriculture and Veterinary Science courses, <http://bit.ly/2oWqpSY>

MAY

- **1 – 7: Melbourne Knowledge Week**, <http://bit.ly/2ptiVbm>
- **2: Information Evening**, SAE Qantm, Melbourne, <http://bit.ly/2nXjPN7>
- **3 - 25: Inside Monash Seminars:** Teaching (3), Music (4), IT (5), Teaching (10), Medicine & Biomedicine (11), Engineering (12), Science Advanced - Research and Global Challenges (17), Law (18), Health Sciences (19), Biomedicine Sciences, Radiography, and Nutrition and Dietetics (25), <http://bit.ly/1Scshkl>
- **4 - 7: VCE and Careers Expo**, Caulfield, www.vceandcareers.com.au/
- **5: Open Day**, University of New England, Armidale, <http://bit.ly/2oGZMRS>
- **9 - 16: Meet Melbourne University**, Warrnambool (9), Hamilton (10), Sale (15), Warragul (16), <http://bit.ly/2pKUXET>
- **13: Open Day**, JMC Academy, Melbourne, <http://bit.ly/2pvHAJk>
- **13: Open Day**, Collarts, Melbourne, <http://bit.ly/2pM730A>
- **16, 17, 23: Monash Information Evening**, Bendigo (16), Shepparton (17), Warragul (23) <http://bit.ly/2pt8nsT>
- **20: Open Day**, Academy of Interactive Entertainment, <http://bit.ly/1hsNG8q>