

VU

NEWS FOR SCHOOLS

WINTER 2016

CELEBRATING
A CENTENARY OF
OPPORTUNITY 2016



VICTORIA UNIVERSITY

VU IN FOCUS: ENGINEERING & SCIENCE AND SPORT & EXERCISE SCIENCE

The upcoming VU in Focus event on 21 July features our colleges of Sport and Exercise Science, and Engineering and Science.

Find out why Victoria University has earned its outstanding reputation in sport, and engineering and science. We have the largest number of sport-related

courses in Australia and are the only Australian university to have a dedicated College of Sport and Exercise Science.

You can also take the opportunity to view our science labs, engineering facilities, health and fitness centre, and state-of-the-art sport research facilities. Come

along and let us help you support your students with information on course options, types of entry, facilities and support services at VU. Our Law and Business event is also coming up in September.

Find out more and register at vu.edu.au/vu-in-focus



SKUNKS INVADE HIGHPOINT

VU's own scientist-artist collective has taken its latest work from the lab to a shopping mall.

Majestic Insurgence is the newest science-as-art installation from Skunk Control, a group of science and engineering teachers and their Foundation Studies students.

Since Skunk Control formed in 2012, the group has gained global attention as far away as Europe for its installations that show principals of science through award-winning art.

Skunk Control will exhibit at several other events in 2016, including the Love your Laneway festival from August, the Malthouse Theatre, and again at Highpoint over Christmas.

Check out the display at Highpoint (Level 1) from 4-17 July. Visit the [Skunk Control website](http://SkunkControl.com) for more information.

MARK YOUR DIARY

- 30 JUNE-22 JULY** Picturing Bluescay photography exhibition, VU at MetroWest vu.edu.au/bluescay
- 12-13 JULY** Western Metro TIS Footscray Park Campus
- 14 JULY** North West Metro TIS St Albans Campus
- 21 JULY** VU in Focus: Sport and Exercise Science; Engineering and Science, Footscray Park Campus vu.edu.au/vu-in-focus
- 28 JULY** VU Diamond series: Non-formal learning and its role in lifelong learning: a celebration of 20 years of youth work at VU vu.edu.au/diamond-series
- 28 AUGUST** Open Day, Footscray Park vu.edu.au/open-day
- 12 SEPTEMBER** VC Principal's Breakfast 7.30am City Queen Campus student.recruitment@vu.edu.au
- 12 SEPTEMBER** VU in Focus: Law and Business, City Queen Campus vu.edu.au/vu-in-focus



VICTORIA UNIVERSITY



DISCIPLINE IN PROFILE: ENGINEERING

Engineering at VU is taught at both university and TAFE levels. VU's College of Engineering & Science offers engineering courses that include architectural, electrical, civil, mechanical, building, sports engineering and project management at undergraduate and postgraduate levels. Our TAFE division – Victoria Polytechnic – runs courses from certificate to advanced diploma level in engineering disciplines such as electrical, mechanical, fabrication and information technology. Check out the website: vu.edu.au/engineering-science

PROBLEM-BASED LEARNING FOR WORK-READY GRADUATES

We champion Problem-Based Learning (PBL) delivery in our engineering courses. PBL encourages students to be self-directed, independent learners, emphasising the development of life-long learning skills.

PBL is central to preparing our students to be work-ready graduates, using problems as the starting point, and the stimulus, for learning. Problems often come from industry or the community providing a real-world context for learning and development of 21st century skills.

WOMEN IN SCIENCE & ENGINEERING

Our Women in Science and Engineering (WISE) program supports current female students, and inspires future generations of women to choose careers in engineering and science. We run various hands-on activities such as seminars and workshops featuring female engineers, scientists and IT professionals from industry to welcome and support female students.

INDUSTRY CONNECTED

One of our greatest strengths as a university is our partnerships with industry. We use these partnerships to inform our curriculum, provide shared resources, engage in multidisciplinary research, and give students opportunities for workplace learning so they can graduate with relevant skills sought by employers.

Our partnerships include Australian and international universities and organisations such as Engineers Australia; Department of Environment, Land, Water and Planning; Melbourne Water; VicRoads; Fosters, Clariant and City West Water. Find out more about our industry placements and connections at vu.edu.au/engineering-science/industry

INDUSTRY ACCREDITED

All of our Bachelor of Engineering courses (Architectural, Civil, Electrical and Electronic, and Mechanical) are accredited by Engineers Australia. This recognition connects graduates to the largest and most diverse professional engineering body in Australia; with more than 100,000 members working across all fields of engineering around the world.



ENGINEERING COURSES

Below is a small sample of some of our engineering courses. For more detailed course information: vu.edu.au/courses

Bachelor of Engineering (Honours) (Architectural Engineering)

Prerequisites: VCE or equivalent of at least 20 in English (any) or 25 in EAL and 20 in a mathematics (any).

Bachelor of Engineering Science – Sports Engineering

Prerequisites: VCE or equivalent of at least 20 in English (any) or 25 in EAL and 20 in a mathematics (any).

Bachelor of Building Surveying

Prerequisites: VCE or equivalent of at least 25 in English (any) or 30 in EAL.

Diploma of Engineering – Advanced Trade

Prerequisites: Successful completion of Year 11, or Certificate III in Engineering or equivalent, or language, literacy and numeracy skills that are equivalent to level 3 of the National Reporting System (NRS).



DESIGNS FOR SUCCESS

Architectural Engineering graduate Emma Buis finds herself back at VU as lead site engineer on the University's new student accommodation.

"VU offered architectural engineering, which attracted my attention as it combined my interests in both science and creative design. The classes are set up to make you think, and force you to learn how to find resources, rather than rely on being given them.

My industry work placement was invaluable. We were able to learn about the workforce and it set me in good stead for the final year. It also helped to establish networks, which are invaluable for the future."

Emma Buis

Bachelor of Architectural Engineering (First Class Honours).

ENGINEERING YOUR PATHWAY

MEM40105
Certificate IV in Engineering

UEE62111
Advanced Diploma of
Engineering Technology
– Electrical

NHEE
Bachelor of Engineering
(Electrical and Electronic
Engineering) (Honours)

NMEN
Master of Engineering



VICTORY IS... STARTING MID YEAR

Did you know starting mid year has some great advantages? It can provide a much-needed break after school, a second chance at a first preference, and it doesn't have to mean a later graduation date – there are lots of catch-up options available.

So if you have students who may be interested in enrolling or

changing course, please get in touch with our Future Students team for course advice and how to enrol. Applications for many VU courses are being accepted for mid-year entry until 27 July. Get in touch with student.recruitment@vu.edu.au

Or visit vu.edu.au/mid-year before 22 July.

STEM WEEK WRAP

VU's College of Engineering and Science transformed the Footscray Park Campus into a fun and exciting learning environment for Science, Technology, Engineering and Mathematics (STEM) Week.

From 30 May to 3 June more than 700 secondary school students took part in a range of experiments, demonstrations and challenges to enhance their learning outcomes in STEM disciplines such as 'Be a chemist for a day'. Students from Keysborough Secondary School and Westbourne Grammar took out the Science and Engineering Challenge days.

The VU Science Spectacular Family Night demonstrated the public's appetite for engaging STEM based activities through explosive experiments and hands-on fun all delivered to a packed audience. vu.edu.au/stem-week

ENGINEERING ACTIVITIES FOR SCHOOL STUDENTS

The College of Engineering and Science offers a range of hands-on activities based on real-world scenarios during terms 3 and 4 for school groups in years 9 and above, designed to immerse students in the engineering process. Sessions are available every Tuesday to Friday from 10am-12.30pm at Footscray Park Campus. For more information contact tricia.fidler@vu.edu.au

FREE VCE BIOLOGY PRACTICALS

Practical laboratory workshops are available to students studying VCE Biology. From July to September at our Werribee Campus, the workshops are relevant to topics covered in Unit 4 Biology. For more information contact tricia.fidler@vu.edu.au



HOME AWAY FROM HOME

For regional students planning to study in Melbourne, or even those moving out for the first time, choosing to live in one of our student residences is the perfect option to help with the transition to city life, while providing peace of mind back home.

VU's residences provide a safe, comfortable and fun living environment; we even match roommates and neighbours based on their interests, courses and gender.

UniLodge@VU is our new state-of-the-art, 500-bed complex with stylish brand new apartments, study rooms, shared AV spaces and common rooms bursting with activities and gourmet kitchens. Check out everything on offer, including the 6-bedroom apartments with the advantages of security, privacy and open shared-living on the [UniLodge website](#)



GET READY FOR VU OPEN DAY

Preparations are in full swing for our biggest event of the year – VU Open Day. Students, parents and teachers are invited to join in the carnival atmosphere while they take in lecturers and chat with current students, tour our state-of-the-art facilities, get career advice and information and enjoy performances, interactive activities and go in the draw to win some amazing prizes. More information to follow in the August issue of VU News, and vu.edu.au/open-day

YEARS 10 & 11 FUTURE FOCUSED

We understand that with so many choices for Year 10s and 11s it can be overwhelming; so we are here to bring things back into focus. University might still be a couple of years away, but it's never too early to start considering their options.

We can come to you and chat to our students about everything VU has to offer – our courses, pathways from TAFE into higher ed, alternative entries and scholarships. Or visit us on campus for a chat, a presentation or tour.

Get in touch via student.recruitment@vu.edu.au

SUNSHINE CAMPUS TOURS

Take a tour of our state-of-the-art trades training facilities at VU Sunshine Campus. To book a tour, visit the website vu.edu.au/career-practitioners

CONTACT US

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CRICOS Provider No. 00124K (Melbourne)
CRICOS Provider No. 02475D (Sydney)
RTO Code: 3113

VU supports students with disabilities and has a range of services and resources to help them complete their studies and participate in all aspects of university life. For more information visit vu.edu.au/disability



Keary Karaolides

SCHOLARSHIPS OPENING SOON

Opportunity and Success go hand-in-hand at VU. With close to 500 scholarships on offer every year for students at all levels, we provide financial and practical assistance for hard-working, dedicated students.

For school-leavers, our scholarships include Achievement Scholarships, recognising two year 12 graduates from every school in Melbourne's western region who have a record of achievement within their school and community. Many scholarship applications open in August. For more information visit vu.edu.au/scholarships

"Becoming a Chancellor's Scholar was a reward for all my VCE efforts. With less pressure to pay for my course, I plan to give back to the University through volunteering.

Meeting my mentor, Alan Kohler, one of Australia's prominent financial analysts, has been incredible for my personal development and I look forward to learning from him."

Keary Karaolides,
Maribyrnong Secondary College graduate

Bachelor of Business (Accounting)

BOOK US IN FOR A VISIT

Our future student advisers are available to visit your school to discuss VU's courses, pathways, practical learning and our state-of-the-art facilities with your students. To book us in, visit the website vu.edu.au/career-practitioners