Career Adviser Newsletter
Term 3, 2016

Open Day 2016 – Saturday 27 August
Take the time to explore your options and the fun side of the University of Sydney and immerse yourself in our amazing campus experience.

Get a taste of the courses we offer and have all your questions answered. You’ll meet inspiring academics and like-minded friends along the way. Together you’ll explore the unknown, challenge your boundaries, discover new opportunities – and have a lot of fun.

See and experience the University of Sydney for yourself. You never know where your journey might take you.

To find out more and register for Open Day updates, visit sydney.edu.au/open-day.

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Sydney Uni excels in global subject rankings – Number 1 in Australia

The University of Sydney has secured its position as a global leader in research and educational excellence in the 2016 QS World University Rankings by Subject.

Our Veterinary Science (9 globally), Nursing (13 globally), Architecture/Built Environment (17 globally) and Medicine (17 globally) subjects all shared the number one national ranking.

These prestigious rankings are regarded as the most comprehensive global comparison of universities at individual subject level.


Five minutes with Mikhail Prokopenko
This month we caught up with Professor Mikhail Prokopenko, School of Civil Engineering, about his recent victory in the World Cup for robot soccer...

“RoboCup – the “World Cup” of robot soccer – was first proposed in 1997 as a standard problem for driving advancements in Artificial Intelligence (AI), robotics and multi-agent complex systems. It has exploded in popularity in the years since, with recent competitions attracting more than 40,000 visitors and participants from more than 45 countries.

RoboCup is partitioned into physical robot leagues, focusing on the development of robotic hardware; and software (simulation) leagues, advancing virtual AI.”

“Better collective mobility and more comprehensive field control are critical to successful performance in RoboCup Soccer. Our team focused on developing tactical proficiency and diversity so that our agents demonstrated autonomous decision-making under constraints, while adapting tactics to different opponents. We used biologically inspired AI methods based on complex systems approaches, such as swarm intelligence and self-organisation of multi-agent behaviour.

“The swarming behaviour used by my team – the Gliders – allows the players to achieve a high degree of coherent mobility: on the one hand, the players are constantly refining their positions in response to opponent players, but on the other hand, the repositioning is not erratic and the players move in coordinated ways. The approach is quantitatively evaluated using information theory,” he said.
The Business School’s new Abercrombie Building

The Business School’s new $250 million Abercrombie Building, which was formally opened on 6 July 2016, is predicted to reshape the way students are equipped to lead the Asia–Pacific region in the dynamic 21st century.

Opened by the New South Wales Treasurer, Gladys Berejiklian said the facility would become the “heart and soul” of the Business School and the focus of a ground-breaking new approach to business education.

“I applaud the Business School’s vision in preparing for a future of enormous opportunities,” said Ms Berejiklian, “It takes innovation and a unique approach to learning to guide and equip the next generation of leaders for the jobs and economy of the future.”

The Chancellor of the University of Sydney, Belinda Hutchinson AM, described the Abercrombie Building as a “dynamic, state-of-the-art foundation upon which the Business School will continue to build its reputation as a world-class centre for learning and teaching”.

“How to apply: application checklist
To simplify the process of applying for courses at the University of Sydney we have created a series of checklists that guide you through your application. There are separate checklists for students from NSW, interstate or New Zealand and whether you are a domestic or international student.
To download your checklist, please visit sydney.edu.au/study/admissions/apply/how-to-apply.html.
Scholarships – Sydney Scholars Awards
Applications open 29 August
Our Scholars Program recognises Year 12 applicants for their hard work during their senior years at high school. It recognises applicants not just for their academic achievements - but also their leadership and extracurricular involvement, both in and out of school. In a personal statement applicants are asked six questions that are designed to give us insight into the whole you.
If you are successful, you will receive between $6000 and $50000, as well as access to mentoring, leadership and networking opportunities.
- sydney.edu.au/scholarships/prospective/sydney_scholars_program

Early Offer Year 12 (E12) – Access Sydney Alternative Pathway
Applications opened 20 July
Our E12 Scheme has expanded and now offers 69 courses, up from 39 in 2015. The number of principal supported applications per school has also increased from 20 to 30.
The E12 Scheme assists students who are financially disadvantaged or attending a school identified on UAC’s S01E list (uac.edu.au/documents/eas/S01E.pdf). The scheme offers:
- an early conditional offer prior to the HSC
- $5,000 scholarship and an iPad
- ATAR concession
- student support, including direct support from faculties, student mentoring, and orientation
- an Access Card which gives discounts on and around campus, as well as access to more than 200 clubs and societies.

Discover how the E12 scheme has helped students, read about their journey here.
- sydney.edu.au/e12

Inspired by Business
Applications opened 20 July
We are excited to announce that we are increasing the number of Inspired by Business scholarships to eligible E12 students who start in March 2017. Each scholarship is $30,000 for students studying Bachelor of Commerce or Bachelor of Commerce (Liberal Studies).

We created our Inspired by Business (IBB) program to recognise and support talented students from Low SES backgrounds, and from schools identified by the Australian government as being Low SES, to achieve their full potential through access to university education.

Interested students should apply for either the Bachelor of Commerce or Bachelor of Commerce (Liberal Studies) in the E12 application portal (e12.sydney.edu.au/users/sign_in) to be considered.
- sydney.edu.au/business/study/inspired_by_business

Above: Christine Ma, Bachelor of Commerce (2014), Christine is now a Business Operations Analyst at IBM.
Future Leaders Program

Applications open 3 August

Following the success of the first year of our Dux Scheme, we have expanded the scheme to include School Captains under what will now be called the Future Leaders Scheme.

In recognition of their commitment to leadership, students nominated by their principal who achieve a minimum ATAR of 70 are offered ATAR concessions, giving them access to a wider range of course options.

Principal nominations open 3 August 2016, and close in early January. Once nominations are entered they cannot be changed or added to, therefore we encourage schools to nominate students once they have confirmed (not predicted or anticipated) status as either Dux or School Captain.

- sydney.edu.au/access

Wingara Mura Bunga Barrabugu Summer Program

Applications opened 1 July

The WMBB Summer Program applications are now open. The program motivates and equips Aboriginal and Torres Strait Islander students with core skills and knowledge to help them continue their journey onto higher education. Applications close Friday 16 September. For more information on how to nominate students and chaperones (staff):

- sydney.edu.au/compass/indigenous/summer-program/wingara-mura

New in 2017

Bachelor of Pharmacy and Management

We will introduce an innovative five-year Bachelor of Pharmacy and Management degree that teaches a unique combination of pharmacy skills and business knowledge. Students will develop sound business practices integrated with sustainable healthcare models, which will be enhanced through participation in an Intern Training Program (sydney.edu.au/pharmacy/future-students/intern-training-program/index.shtml).

“Pharmacy is more than dispensing medicine at a local pharmacy or conducting research in a laboratory,” says Professor Iqbal Ramzan, Dean of the Faculty of Pharmacy. “Our students will develop a unique combination of pharmacy and business skills, providing them with a competitive edge to access career opportunities outside traditional fields of practice to diverse roles in pharmacy management, pharmaceutical industry, consultant pharmacy and industrial pharmacy.”

Stuart Anderson, Regional Vice President Supply Asia Pacific at AstraZeneca says, “University of Sydney pharmacy graduates are highly sought after in the industry because of the quality of the education they receive and the quality of the graduates, in comparison to other universities.”

- sydney.edu.au/pharmacy/study/bachelor-pharmacy-management
Bachelor of Education (Secondary: Health and Physical Education)
The program focuses on health and physical education, but also offers a second teaching area. The second teaching area may include Aboriginal studies, biology, business studies, chemistry, commerce, drama, economics, English, geography, history, languages, mathematics. Students will undertake supervised teaching practice and an internship in secondary schools.

This four-year degree has a strong focus on integrating educational theory and practice. University lectures and practical workshops will be linked to a comprehensive professional experience program as well as various service learning experiences. Graduates also develop interpersonal and teaching skills, and embrace their position as a role model of health-enhancing behaviour. There is a strong focus on Educational Leadership as well as an opportunity to complete honours.

Upcoming events

On-campus

Sydney Science Festival at the University of Sydney
12–20 August 2016
As part of the city-wide festival celebrating National Science Week, we are hosting a number of special events and have researchers speaking at many more. Our events include a talk on the possibilities of personalised medicine, a night devoted to science at the nanoscale and a special forum on healthcare to be held at the Westmead Institute in western Sydney.

Interstate Open Day Event
27 August 2016, 9am – 4pm
This year we invite interstate students to attend our Open Day. Students will have the opportunity to talk to current students who have also moved from interstate about their experiences and how they managed the move. You will go on a campus tour including a visit to on-campus accommodation providers. We will provide free morning tea and lunch (and other free goodies to be collected along the way!). Please register by 1 August:

First Robotics
4-6.30pm every Sunday during school term
We will host a high school student robotics team, the “Drop Bears“ who compete in the International First Robotics competition. The team is comprised of high school students across Sydney. As part of this team students will learn valuable skills in programming, building, project management, leadership and communication. Register here:
- [sydney.edu.au/engineering/high-school/first-robotics-interest](http://sydney.edu.au/engineering/high-school/first-robotics-interest)
Indigenous Australian Engineering Summer School 2017
8-14 January 2017
The Indigenous Australian Engineering Summer School (IAESS) offers students going into years 10, 11 and 12 an exciting week of activities. You will live on campus at the University and get a taste of uni life and a better understanding of engineering as a course and career. IAESS is fully funded by Engineering Aid Australia and its sponsors and all expenses are included. Applications close 14 October 2016.
- sydney.edu.au/engineering/iaess or email iaess@sydney.edu.au

Off-campus

MadMaker
10 October to 18 November 2016
MadMaker is a six-week online course for Year 9 and 10 students with a goal to educate them about embedded systems and their use in everyday life. The 2016 edition will run from the Monday 10 October until Friday 18 November 2016, with full online support.
- info@madmaker.com.au
### Contacts and further information
To subscribe to our regular news updates including event notifications contact Darcy Keogh, our Schools Network Officer, on 02 8627 5136 or darcy.keogh@sydney.edu.au.

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<th>Key contact</th>
<th>Contact details</th>
<th>Events and management areas</th>
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