University of Sydney excels in latest QS Rankings

The University of Sydney has solidified its position as a global leader in research and educational excellence in the 2016 QS World University Rankings by Subject. Thirty-two of our subjects were ranked in the top 50 globally, of which nine were ranked in the top 20.

Veterinary Science was ranked ninth in the world and number one in Australia, while three other subjects also shared the number one national ranking – Architecture/Built Environment (17 globally), Medicine (17), and Nursing (13).

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

The results highlighted the University’s strengths in subjects across all the disciplines globally ranked, including Law (11), Education (16), Accounting and Finance (18), Geography (22), English Language and Literature (20) and Engineering - Civil and Structural (20). For the first time, Philosophy entered the top 50 globally with a rank of 37 worldwide.

Maths prerequisites

Do you have students who will be starting university in 2019? The University of Sydney is leading the charge to address the nation critical shortage of graduates in science, technology, engineering and mathematics (STEM) by introducing mathematics course prerequisites for a number of courses from 2019.

If your students are interested in courses such as economics, commerce, engineering and IT, psychology, pharmacy, veterinary science and science, they will need to achieve Band 4 in the NSW Higher School Certificate (HSC) mathematics (not general mathematics) or equivalent.

Students who defer their offer to study at the University in 2018 are not required to meet the mathematics course prerequisites. These students will be assessed on current requirements for their chosen course.

Find out more about the new entry requirement: sydney.edu.au/study/maths
New Nanoscience Building
The University of Sydney’s newest research facility, the Sydney Nanoscience Hub, will enable our scientists to undertake ground-breaking research in the specialist facilities, worth $150 million.

Nanoscience is about miniscule subject matter (the nanoscale is one billionth of a metre) and this means that the smallest of disturbances to the research environment can have a huge impact on the results.

Research labs feature ‘floating’ floors for the most accurate measurements, air-conditioning to stabilise temperature, humidity and airflow, and electromagnetic shielding to prevent unwanted outside interference from entering the lab space. And cleanrooms with special suits, masks, showers and doormats prevent any chemical interference from the outside world.

The innovative work our researchers are conducting at the Sydney Nanoscience Hub is going to influence wide-ranging industries. Professor Zdenka Kuncic, Australian Institute for Nanoscale Science and Technology (AINST) Director, Community and Research, explains that the research will impact sectors ranging from energy and environment to health and medicine, communications to computing and security’. The new building is split into a teaching end and a research end, intended so students can see their scientific designs become a reality.

- sydney.edu.au/nano

Professor David Reilly (above) is an experimental physicist working at the interface of quantum science, nanoscale condensed matter systems and cryogenic electronics and hardware. He leads a new research group, the Quantum Nanoscience Laboratory, in the School of Physics at Sydney. Watch Professor David Reilly in action on the 7.30 Report.
Top 5 tips for thinking about university
People often ask us what students should keep in mind when thinking about university and selecting subjects. Our top tips are:

1. Keep things in perspective
Dream big. Don’t limit yourself to one perspective or what Uncle Fred thinks of Arts degrees. Visit open days, websites and talk to everyone.

2. You can never “waste your ATAR”
Pick a degree based on your interests and passions rather than maximising the use of your ATAR. Follow your aspirations, not the crowd.

3. Focus on the big picture
University is 50 percent study and 50 percent life experience. When choosing a university, consider the experiences on offer, not just the courses.

4. Remember job-specific skills aren’t everything
University is NOT just a job training area. Your future career may not reflect the degree you study, so stay open-minded.

5. Think about the value beyond dollars
Treat university as a chance to push yourself - intellectually and socially. It will help with your career, but the value is beyond just the money you will make.

Upcoming events on campus
We run many events throughout the year that might be of interest to career advisers and teachers, as well as future students. These include:

Year 10 Information Evenings – Monday 16 May, Wednesday 18 May and Monday 23 May 2016
Our Year 10 Information Evenings are designed to help students to choose subjects for the HSC and navigate through the process of applying to university.
- sydney.edu.au/yr10-info-evening

Camden Open Day 2016 – Friday 10 June 2016
For high school students in years 9 and 10
Come and explore the fascinating world of agriculture, environment, science and veterinary science at the University of Sydney’s Camden Open Day. Do hands-on workshops, hear captivating talks and meet scientists conducting cutting edge research, plus be entertained by amazing science with a talk by Dr Karl Kruszelnicki.
- sydney.edu.au/science/outreach/high-school/camden-open-day

Scholarship Info Evening – Wednesday 22 June
Hear from current scholarship recipients and staff members on what makes a great scholarship application, how to apply and lots more.
- sydney.edu.au/scholarships-info-evening

Open Day 2016 – Saturday 27 August
Open Day is the first step on your journey to university. Take the chance to discover the fun side of the University of Sydney, get a taste of what our courses offer, and meet inspiring academics and like-minded friends along the way.
- sydney.edu.au/open-day
Upcoming events off campus

Your Path to Sydney Uni – Wednesday 25 May 2016
Whitlam Theatre, Revesby Workers’ Club
If you, your child, or your students are considering applying for university next year, you probably have a lot of questions: What can you study? How much will it cost? How do I get in? What happens if I don’t reach the published ATAR cut-offs? These questions, and more, will be answered at this information evening in Sydney’s south-west. Come along and meet university staff and current students, who will tell you all about the many pathways to study at the University of Sydney, and how to secure your place there.

- sydney.edu.au/your-path

Agriculture HSC Seminar 2016 – Thursday 9 June 2016
Liz Kernohan Conference Centre, Camden Campus, University of Sydney
Spend a day revising key concepts in the HSC Agriculture course and learn about current research you can use in the extended response questions in your exam. Hear directly from agricultural, environmental and veterinary researchers from the University of Sydney’s School of Life and Environmental Sciences in a series of lectures, demonstrations and hands-on sessions. The day will include lectures on plant hormones, propagation, breeding and sustainable resource management; pain relief, animal ethics and welfare; and preparing for your exam.

- sydney.edu.au/science/outreach/high-school/agriculture-hsc-seminar

Meet Sydney Information Evenings
For all of our interstate and NZ schools, join us at our Meet Sydney Information Evenings. Discover our wide range of bachelor’s, master’s and PhD degrees, scholarships, how to apply, and life on our campus.

- sydney.edu.au/meet-sydney

To learn more, visit our Events for future students web page.

For teachers/community

All over Australia, there are people working in schools to support Aboriginal and Torres Strait Islander students to ‘make their tomorrow’ through success in education. This accredited forum considers how to build relationships with Aboriginal students based on high expectations and promotion of positive cultural identity and Indigenous leadership.

Attendees share their experiences, skills and knowledge, and learn from peers and experts in the field. During the day, we will provide you with up-to-date information about alternative pathways and support services available to Aboriginal and Torres Strait Islander students.

- whatson.sydney.edu.au/events/published/making-tomorrow-forum

Publications

Parent Guide 2017
Our Parent’s Guide provides parents and guardians with practical tips and tools to help their child make the transition from high school to university.

Self-ordering publications
This month you will receive a suite of our latest 2017 student publications including the Undergraduate Guide, Accommodation Guide and Aboriginal and Torres Strait Islander Student Guide. If you need to order more in the future, use our online order form.
# Career Advisers Newsletter

## Term 2

### 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>
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<td>- Access Sydney programs including E12</td>
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