



THE UNIVERSITY OF  
**SYDNEY**

The University of Sydney

[sydney.edu.au/vetscience](http://sydney.edu.au/vetscience)

**Contact us**

[sydney.edu.au/vetscience](http://sydney.edu.au/vetscience)  
1800 SYD UNI (1800 793 864)  
+61 2 8627 1444 (outside Australia)

# Leadership in Veterinary and Animal Science

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**Contact us**

# Leadership in Veterinary and Animal Science

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# About us

## The University of Sydney

The University of Sydney is one of the world's top teaching and research universities and a member of the prestigious Group of Eight network of Australia's leading universities. We teach more than 50,000 bright minds, including 10,000 international students from more than 145 countries.

We've taught 145 Olympians, six prime ministers, two Nobel laureates, three astronauts, 110 Rhodes scholars and one Pulitzer Prize winner. Our students join an inspiring network of leading academics, distinguished graduates and alumni.

Since 1850, the University of Sydney has led the way in setting new directions for society. Leadership has always been at the core of the University's values.

Our aim is to make lives better – not just by producing leaders, but through equipping our people with leadership qualities so they can meaningfully serve all of our communities at every level.

The cross-disciplinary nature of our 16 faculties allows us to offer the widest range of academic programs of any Australian university.

### Key facts

- year of foundation: 1850
- student enrolments: 52,789\*
- academic staff: 3465\*
- 75 of our academic fields of research performed above or well above world standard in the latest Australian Government Excellence in Research for Australia rankings
- number of alumni worldwide: 270,000
- number of countries represented by student body: 145
- student union clubs and societies: more than 200
- sporting clubs: 43
- items in the University's Library: more than 5.2 million
- number of student exchange agreements: 286 (in more than 30 countries)
- Chancellor: Belinda Hutchinson AM
- Vice-Chancellor and Principal: Dr Michael Spence.

\* As at 31 March 2014.



# About us

## Faculty of Veterinary Science

Our veterinarians don't just help animals; they keep people healthy too.

Since our founding in 1910, our mission has been to provide the nation's best training in the health and conservation of animals. This is why we are proud to be ranked the number one veterinary school in the southern hemisphere.\*

What does it mean to be the best? It means being taught by world-leading animal and veterinary scientists from the moment a student sets foot on our campuses. It's studying in the latest facilities, in small groups to maximise learning, and in courses at the cutting-edge of knowledge in the field. And, it means leaving as a globally respected graduate with the experience and skills to make a difference to the health, welfare and conservation of animals all around the world.

### Holistic approach to health

Health is a complicated issue. Our students become part of a vast network of professionals who are working together to solve global problems in health. The University-wide 'One Health' framework brings together expertise across human, animal and crop health, as well as social science and economics. This way, our students have access to a multidisciplinary experience allowing them to tackle the big-picture challenges our world faces, such as food security, biosecurity and emerging diseases.





## Choose your path

Animal industries are thriving in Australia. We offer a breadth of programs that prepare our students for many different careers working with animals. In addition to our well-known courses in the clinical sciences, students study animal production, animal health, wildlife management and conservation, breeding management and animal welfare.

## Leadership in cultural diversity

We are proud to lead the nation in embedding Aboriginal and Torres Strait Islander cultural competence into veterinary education. With more than 20 initiatives aimed at integrating Aboriginal and Torres Strait Islander knowledge into our faculty – including in the curriculum, special seminars, summer programs and art installations – we are pioneering a culture of respect and understanding that will benefit all our graduates, preparing them to work across diverse cultures in Australia and beyond.



# About us

## World-leading facilities

The best training requires a top-quality learning environment. That's why our students gain hands-on experience in high-calibre urban and rural facilities.

With our two campuses – Camperdown, in inner-city Sydney, and Camden, located in Sydney's rural outskirts – the Faculty of Veterinary Science has the best of both worlds. Both sites feature a wonderful mix of heritage and new buildings that reflect our history while providing the latest facilities for teaching, research and clinical practice.

### Learn in the city and the country

The Camperdown Campus offers beautiful sandstone architecture alongside modern lecture theatres, advanced laboratories and a well-equipped clinical teaching hospital. In an entirely different environment an hour southwest of Sydney, our semi-rural Camden campus allows students to work directly with livestock and gain experience with the large-animal industries of sheep, dairy, pigs, cattle and aquaculture.

### Teaching hospitals

Our veterinary teaching hospitals employ the latest medical technology and world-recognised specialists to care for small animals, wildlife, livestock and horses. This is where we provide real-world training to the next generation of veterinary practitioners and specialists.

### Avian, Reptile and Exotic Pet Hospital

At the only purpose-built hospital of its kind in Sydney, our veterinarians use the latest techniques and research to provide the best care for birds, reptiles and small pets such as rabbits, guinea pigs, ferrets and koalas.

### Robotic dairy

As Australia's first veterinary faculty, from the beginning we have helped shape the nation's agriculture and livestock industries. In the past 60 years, our research and innovation in the dairy industry has resulted in important advances in the health and welfare of dairy cows. In 2011, our innovative research piloted the world's first robotic rotary milking system.

Today, our robotic rotary dairy milks our commercial herd, around the clock, on demand. Application of the data from this pioneering technology is improving the lives, wellbeing and productivity of our cows and our dairy farmers.

### Clinical skills laboratory

Hands-on experience is an essential part of our students' training. Our high-tech clinical skills simulation laboratory allows students to develop and practise their skills – the best preparation for work in the real world.

### Poultry Research Foundation

The Poultry Research Foundation at our Camden Campus is a leader in improving the living conditions, health and yield of poultry grown commercially for both meat and eggs. Using a multidisciplinary approach with connections to industry and other academic labs, the foundation has strengths in nutritional, metabolic, endocrine and immunological studies.

### Professional placements

Our students acquire an appreciation of the working of animal enterprises and the role of the veterinarian through clinical placements throughout their studies. Our students can choose between placement with farms, government, animal industries and veterinary hospitals, providing experience, contacts and opportunities to pursue their future career interests.

### Industry partners

We're proud of our diverse, international network of partners in veterinary education who support our clinical externship program, animal husbandry and abattoir placements, educational support practice program and our mentoring program. Final year near-graduates take responsibility for case management, under supervision, polishing their skills, ensuring they're "practice ready" and equipped for success.



About us

## Inside view

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**Layla Schrieber**  
Faculty of Veterinary Science alumna

“I had to self-reflect the entire time: Why did I feel certain ways? Why was I doing this research? Every Indigenous researcher goes through this experience. We have to, to make our research better.”



Working with the Yarrabah Aboriginal community near Cairns, Layla studied streptococci infections in dogs and people for her master’s thesis, balancing her scientific research with work in the community to help develop strategies to manage canine zoonoses (diseases that can be transmitted to humans from animals).

With the added responsibility of a family connection, Layla challenged herself to work in ways that placed cultural sensitivity at the forefront of her scientific program. As her research progressed, she continuously made sure her work was relevant to the study community.



## Inside view

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**Associate Professor Kendra Kerrisk**  
Faculty of Veterinary Science

“The biggest bonus is that dairy farming is going to increase in appeal with the younger generation, which is exactly what our industry needs if we are to remain sustainable far into the future.”

Kendra helped develop the world’s first rotary robotic milking system – a revolutionary tool that will give dairy farmers with large herds better working hours and more time to focus on the welfare of their herds.



“The greatness  
of a nation  
and its moral  
progress can be  
judged by the  
way its animals  
are treated.”

Mohandas Karamchand Gandhi (1869 – 1948)  
Leader of the Indian independence movement

# About us

## Multidisciplinary approach to research

Since most infectious diseases originate in animals, veterinarians help to prevent human epidemics. With teaching and research spanning a range of specialisations, we are uniquely positioned to tackle the big, complex and difficult issues the world faces.

Our dedicated and internationally recognised staff conduct world-leading research and our graduates benefit from engaging in research opportunities.

Our veterinarians and animal scientists are equipped to apply their skills in inquiry, evidence-based medicine and innovation to advancing their fields.

Our faculty was rated 'five out of five' for veterinary science research in the Australian Government's Excellence in Research for Australia ratings.

### Animal health

Close contact between wildlife, domestic animals and humans is leading to the appearance of new and dangerous diseases. Our diverse research program on animal health seeks to stem the threat of new pathogen emergence. Our researchers are also developing novel diagnostic and treatment techniques for disease control.

### Animal production

With a projected world population of 9 billion by 2040, food security has become one of the greatest challenges of our time. That's why our faculty focuses on improving animal protein production through a range of initiatives, from greater efficiency of milking to a better understanding of poultry nutrition, genomic selection for performance, and advances in reproductive technologies.

### Wildlife health

We are committed to our wildlife: more than a third of our staff and students dedicate their time to improving the health and conservation of Australia's native fauna, and exotic species such as the rhinoceros. We continue to make a difference in understanding diseases in many threatened animals, including frogs, koalas and the Tasmanian devil, as well as providing the best care to animals in need.



## Inside view

**Professor Kathy Belov**  
Faculty of Veterinary Science

“The big research breakthroughs give you such a rush. We had a theory that devil facial tumour disease spreads because of a lack of genetic diversity in key immune genes in the Tasmanian devils. This proved correct and we are now working with zoos to maximise genetic diversity in the insurance program.”

Kathy studies evolutionary genetics in Australian marsupials. Her research on a devastating disease affecting Tasmanian devils has been crucial to the species’ survival, and led to her being awarded the prestigious Fenner Medal for research in biology.

About us

## Inside view

**Professor Paul McGreevey**  
Faculty of Veterinary Science

“I believe that veterinarians should be informed advocates for the welfare of animals and that behavioural science offers the key to many animal management, training, handling and welfare problems.”

Paul is one of only two veterinary behaviourists working in Australian academia. His groundbreaking work, which revealed that whipping horses does not make them run faster, won him a Eureka Prize – one of the nation’s top honours in science.



interdisciplinary approach to research

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# Discover

## Student experience

Our campuses are home to a vibrant, diverse and unique social life, and our student societies ensure a rich and rewarding experience both in and out of the classroom.

With more than 200 clubs and societies, including 26 cultural groups, there is something for everyone at the University of Sydney.

We encourage all students to join in a variety of activities, team up and make new friends, share ideas and learn new skills through performances, sports and leadership opportunities.

### Clubs and societies

The Faculty of Veterinary Science is home to a range of clubs and societies. The University of Sydney Veterinary Society, known as VetSoc, has a packed calendar of social events in and around the main Camperdown campus. Out at the rural campus, the Camden Farms Society brings the party to the paddock with activities and gala events.

The Wildlife Society offers an avenue for learning more about native fauna with workshops and lectures, and the Animal Welfare Society promotes the responsible treatment of animals with campaigns and fundraising events.

SurgerySoc provides activities and events for students to develop skills, networks and a passion for surgery. Bovine and equine student groups host intensive workshops with practitioners.



## Key facts about the faculty

- 1255 students\*
- 6.4 veterinary student/teacher\*\*
- ranked the top veterinary school in Australia and the southern hemisphere, and number 11 in the world
- longest continuously operating veterinary faculty in Australia
- high levels of student participation in research
- diverse and inclusive community with students from more than 40 countries
- global network of alumni
- alumni mentoring program for final year veterinary students
- student leadership program
- active student societies
- on-campus veterinary teaching hospitals (small and large animals, livestock, equine, spay neuter clinic, and wildlife health and conservation centre).

\* As at 31 March 2014.

\*\* DVM and BVSC.



Discover

Student experience



## Student view

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**Jordan Dasilva**  
Doctor of Veterinary Medicine

“I’ve always had a strong interest in exotic medicine. My goal is to be a practising veterinarian at a zoo.”

After studying animal biology in Canada, Jordan Dasilva chose the Doctor of Veterinary Medicine program at Sydney. “This enabled me to jump right into the veterinary program without having to repeat a bunch of undergraduate subjects that I had already taken,” Jordan says.

Jordan decided to study at the University of Sydney because he felt it would provide him with the best opportunity to learn exotic animal medicine. “I also wanted to complete the second leg of my university career in another country,” says Jordan, who plans to practise in Australia after graduation.

Jordan enjoyed being immersed in the veterinary profession from the start. “We had clinical rotations within our first three months and we were on farms on a weekly basis, handling livestock and learning various aspects of livestock medicine,” he says.

After graduation, Jordan hopes to work in a practice where he will be able to gain experience across a vast array of animal species. “From there I aim to work at a zoo as a practising veterinarian.”



## Student view

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**Sarah Jobbins**  
Doctor of Veterinary Medicine

“My entire life I have been desperate to be a veterinarian. I had convinced myself I was too old at 33 to go back to university but I realised I was not satisfied with being a researcher. I was veterinary nursing at 16, so I’m excited to finally be following this path.”

Sarah Jobbins completed a Bachelor of Animal Science and a PhD at the University of Sydney. She lectured at the University for a year then undertook three years of postdoctoral research with Virginia Tech in the United States and a non-government organisation in Botswana, Africa.

Her research looked at the prevalence of a bacterial tropical disease that presents symptoms similar to malaria, as well as at the animal hosts who carry the disease.

During her time in Africa, Sarah worked with both wildlife and domestic animals in village environments. She witnessed the important role animals play in people’s lives. The experience reignited her passion to be a veterinarian.

“The Faculty of Veterinary Science is a great learning environment. Everyone is so supportive,” Sarah says. “We have lots of hands-on experience with animals, almost from day one. The Doctor of Veterinary Medicine is an incredibly intensive degree and having that interaction is really important.”

Sarah would eventually like to return to Africa to work with impoverished communities that do not have access to veterinarians. “I hope to use the skills I gain during my degree to improve the lives of people and animals in remote, resource-limited areas of the world.”

Discover



Student experience

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# Discover Our alumni

Our graduates leave as passionate professionals ready to follow different paths with unique challenges. But above all, they make a difference to the lives of animals.

Since our first cohort graduated in 1910, the faculty has produced more than 5000 animal scientists and veterinarians. They have become leaders in their fields: in academia; private practice; government; and the public sphere in Australia and overseas. Here are just a couple of the outstanding people who have called our faculty home.



## Alumni view

**Elva Cha**  
Bachelor of Veterinary Science

“We were the only family I knew living in Sydney who owned ducks and chickens. I’m sure this influenced me to study veterinary medicine at Sydney,” says Elva Cha, who graduated with Bachelor of Veterinary Science.

Elva has fond memories of the practical work she experienced during the course. “I don’t think there is another degree where you could attest to being bitten on the butt by a horse or seeing an alpaca spit in your friend’s eye,” Elva says.

During her practical work, Elva enjoyed pig farm placements which, combined with her interest in epidemiology, led her to undertake a year of research. “After fourth year, I examined the risk of exotic disease introduction through pigs being exhibited at agricultural shows across Australia,” she says.

Elva’s positive experience inspired her to consider a career in research and she took the opportunity to go to Cornell University in Ithaca, New York, in her final year.

Following her PhD, Elva joined Novartis Pharmaceuticals as a clinical trial statistician, working on trials in human health. Although rewarding, Elva missed animal health research, particularly teaching and mentoring. “In my free time, I worked on publications and co-mentored students,” she says.

Elva is now at Kansas State University pursuing her interest in production diseases of livestock and training students in epidemiology, outcomes research and economics. “I have many people to thank for the opportunities I have had so far,” she says.





Discover

## Alumni view

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**Joyce Lauw**  
Bachelor of Veterinary Science

“I enjoyed my studies at the University of Sydney and loved the Sydney lifestyle and culture. The six-week extramural placements in third year were really interesting – it was a great experience going to farms.”

Graduating with a Bachelor of Veterinary Science from Sydney, Joyce Lauw works in Singapore in a small animal private veterinary practice with 10 other veterinarians.

“About 40 percent of what we see in the practice is ‘pocket pets’ – hamsters, guinea pigs, mice and rabbits,” Joyce says.

“Fourth year at Camden, where we had large animal practical classes and surgery practical classes, were the most fun.

“My final year rotations were the highlight of the degree for me – I met many people and learned a lot. The size of our intake was about 100 and it was nice knowing the people in your classes really well by the end of five years.”

Joyce plans to focus on small animal medicine.

“I might go into other types of veterinary work when I have more experience,” she says. “I’m definitely keeping an open mind about any opportunities that might come along in the future.”

Our alumni

# Join us

## Undergraduate and postgraduate options

Passionate about all creatures great and small? Our students become career-ready graduates with the skills and knowledge to protect and advance animal health and welfare locally and around the world.

The Faculty of Veterinary Science is recognised internationally as a leading provider of education and a key contributor to the world's best practice in the care and welfare of animals. Our degrees transform our students into professionals with the latest knowledge and research-informed skills to work in Australia and around the world.

### Undergraduate courses

We offer the **Bachelor of Animal and Veterinary Bioscience** – a flexible, four-year degree in the field of animal science with majors in:

- Animal Genetics and Biotechnology
- Animal Health and Disease
- Animal Production Systems
- Wildlife Conservation and Management.

For more information visit:

- [sydney.edu.au/vetscience/avb](https://sydney.edu.au/vetscience/avb)

We also offer the **Bachelor of Veterinary Biology and Doctor of Veterinary Medicine** – this combined, six-year degree provides graduates with the knowledge and skills for diverse careers as veterinary scientists.

For more information visit:

- [sydney.edu.au/vetscience/bvetbiol-dvm](https://sydney.edu.au/vetscience/bvetbiol-dvm)

### Postgraduate coursework

We offer:

- Doctor of Veterinary Medicine
- Master of Animal Science
- Master of Veterinary Public Health
- Master of Veterinary Public Health Management
- Master of Veterinary Science
- Master of Wildlife Health and Population Management

### Postgraduate research

We offer:

- Doctor of Philosophy (PhD)
- Master of Science in Veterinary Science
- Master of Veterinary Clinical Studies
- Master of Veterinary Science

We welcome all enquiries about our postgraduate programs. For details about all of our course options, including undergraduate and postgraduate courses, please see our website.

- [sydney.edu.au/vetscience/future\\_students](https://sydney.edu.au/vetscience/future_students)

### Professional recognition

The Faculty of Veterinary Science maintains continuous professional accreditation through the transition to the new veterinary program (Doctor of Veterinary Medicine).

Graduates of the Doctor of Veterinary Medicine and combined Bachelor of Veterinary Biology/Doctor of Veterinary Medicine are immediately eligible for registration with the Veterinary Practitioners Board in each state and territory of Australia. They are also recognised internationally by the American Veterinary Medical Association and the Royal College of Veterinary Surgeons in the United Kingdom.



Join us



Undergraduate and postgraduate options

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# Join us

## How to apply

- Step 1:** Choose your course.
- Step 2:** Check the key dates and the admissions requirements of the course you have chosen, and check what documentation you will need to submit.
- Step 3:** Submit your application with the relevant documents.

Every year we welcome outstanding local and international students who surprise, inspire and support each other throughout this exciting journey. We're a richly varied team, united in a mission of contributing to the care, management and welfare of animals.

### Domestic students

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For most courses, entry is based on your ATAR (Australian Tertiary Admissions Rank) or equivalent.

If you are a domestic undergraduate student, you need to submit your application online through the Universities Admissions Centre (UAC) website.

For more information about applying and essential dates, visit:

- [www.uac.edu.au](http://www.uac.edu.au)

If you are a domestic postgraduate student, you can apply directly to the University through our Sydney Courses portal.

For more information about applying and essential dates, visit:

- [sydney.edu.au/courses/study\\_area/veterinary-and-animal-science](http://sydney.edu.au/courses/study_area/veterinary-and-animal-science)

### International students

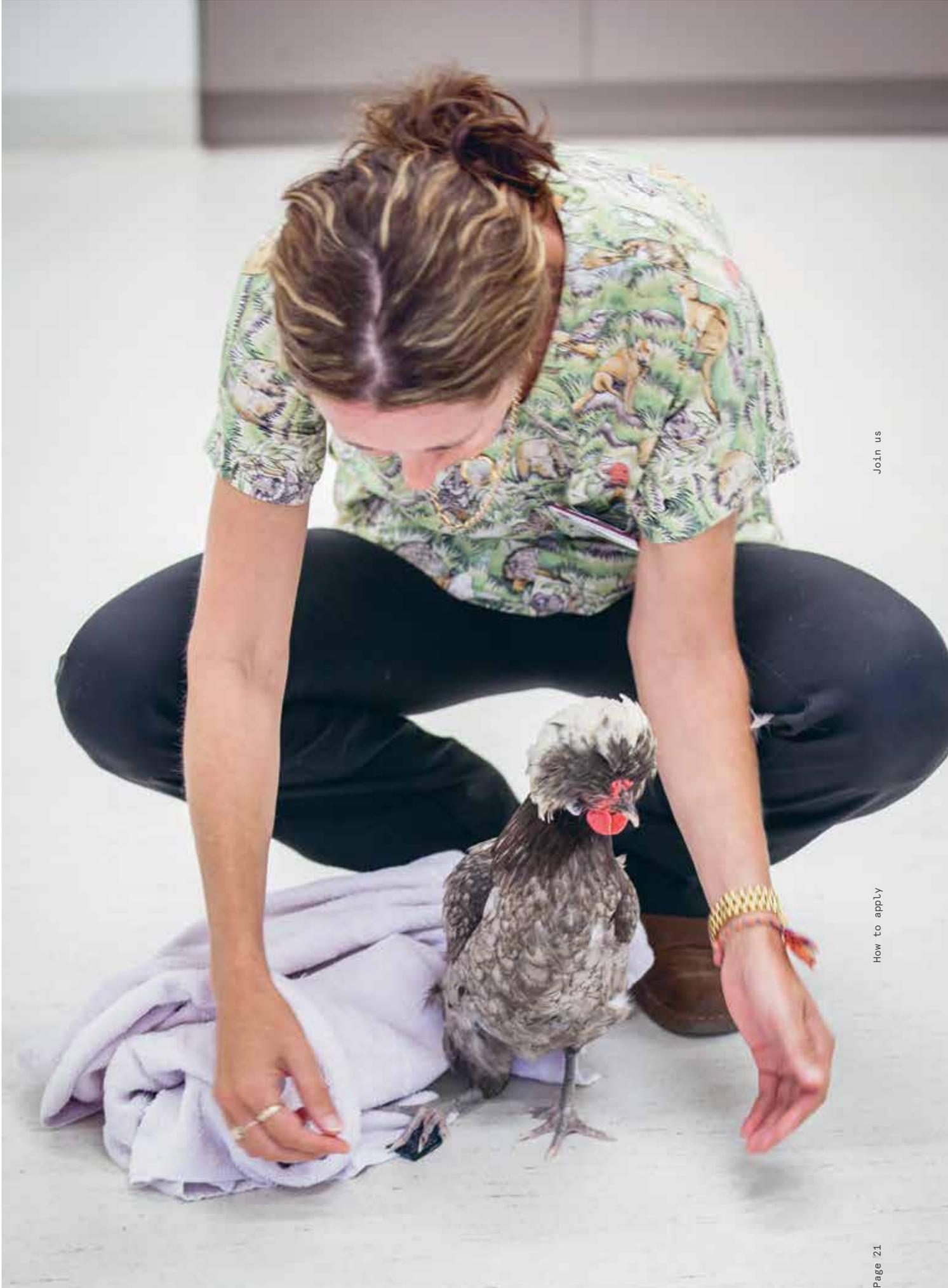
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We assess international applications throughout the year. We invite you to apply directly to the University:

- [sydney.edu.au/courses/study\\_area/veterinary-and-animal-science](http://sydney.edu.au/courses/study_area/veterinary-and-animal-science)

If you are from North America and would like to apply for the Doctor of Veterinary Medicine, you can also apply through the Veterinary Medical College Application Service (VMCAS). For more information about applying through this service, visit:

- [aavmc.org/Students-Applicants-and-Advisors.aspx](http://aavmc.org/Students-Applicants-and-Advisors.aspx)



Join us

How to apply

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**If you read only one thing, read this.**

Your journey to university is as unique as you are.

At the University of Sydney, you have the opportunity to create your own path. You can join us through an alternative entry pathway, customise your course, and get involved in extracurricular activities to personalise your uni experience.

**Domestic students**

[sydney.edu.au/ask-domestic](http://sydney.edu.au/ask-domestic)  
1800 SYD UNI (1800 793 864)

**International students**

[sydney.edu.au/ask-international](http://sydney.edu.au/ask-international)  
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