FACULTY OF VETERINARY SCIENCE

DOCTOR OF VETERINARY MEDICINE
As a high achiever, you can realise your dream of contributing to a noble and rewarding mission: the care, management and welfare of animals. Your studies through our Doctor of Veterinary Medicine program will be transformative, preparing you to work around the world as a veterinarian. Our internationally accredited programs and diversity of learning experiences will set you apart with the latest knowledge, global perspectives, research-informed skills and well-practised expertise required for professional success.

Learning from our prize-winning teachers and research leaders, alongside other talented, committed students, is just part of what makes the University of Sydney’s Faculty of Veterinary Science special. Our alumni, farm and veterinary partners offer unique professional learning opportunities, mentoring and encouragement. Participating in this rich and varied learning and co-curricular experience, you will find your passion and make great friends and colleagues for life.

A commitment to lifelong learning and to critical inquiry are distinctive features of Sydney graduates that stem from our passion for research and self-improvement.

Our graduates are entering the profession at an exciting time. Our Doctor of Veterinary Medicine (DVM) trained veterinarians will begin their careers in clinical practice. However, their superior knowledge of animal biosciences and their skills in leadership and research will open up a wide range of other career opportunities in business, government, animal industries, food safety, animal welfare, laboratory animal medicine and biomedical research.

Good luck with your preparation for the next, most rewarding step towards your dream by studying at the University of Sydney’s Faculty of Veterinary Science. You will be warmly welcomed as part of our faculty ‘family’. We are here to help ensure your successful journey to becoming a remarkable professional.

Professor Rosanne Taylor
Dean, Faculty of Veterinary Science
THE DOCTOR OF VETERINARY MEDICINE

Become a career-ready graduate with excellent skills in managing animal health and disease, and in protecting and advancing animal, human and environmental health and welfare locally and globally.

COURSE OVERVIEW

The University of Sydney’s Doctor of Veterinary Medicine (DVM) is an innovative new graduate entry program, with graduates eligible for registration as veterinary practitioners.

Our faculty is internationally recognised and accredited, so that when you graduate you have the potential to work all over the world.

Teaching is research driven, to ensure that you learn about the latest developments and advances in evidence-based practice, veterinary medical research, animal behaviour, animal welfare science and veterinary public health. The integrated curriculum provides you with clinical and professional skills training, clinical exposure and animal handling from your first semester.

Your studies will take place within a ‘one health’ framework, ensuring that you understand the critical role of the veterinary professional in animal, human and ecosystem health at local, national and global levels.

The program culminates in a year-long capstone experience, during which you will work as an intern at a broad range of veterinary clinics, including at the University’s teaching hospitals in Sydney and Camden.
WHY CHOOSE SYDNEY?

Sydney is Australia’s largest and most dynamic city. No wonder the Global Cities Index 2014 rates it as the most popular destination in the world for international university students.

Set around the world’s largest natural harbour, Sydney is home to golden beaches, world-class museums and art galleries, delicious fresh food and a calendar of exciting events and festivals. It really is Australia’s most vibrant and dynamic city – alive with culture, art, commerce, creativity and adventure.

Sydney is:
- home to a diverse and international community, where 30 percent of us speak a language other than English
- ranked number 4 worldwide in the 2013 QS Best Student City Rankings. This list rates cities on affordability, quality of living, employer activity and diversity of students.
- a 12-time winner of Condé Nast Traveller’s respected Reader’s Choice Award for Best City
- home to the Asia-Pacific headquarters of more than 600 multinational companies.

STUDY IN THE HEART OF THE CITY

The University of Sydney has a network of teaching locations spread throughout the Sydney area and beyond. We are one of the world’s top 10 most beautiful universities, according to the United Kingdom’s Daily Telegraph and the United States-based Huffington Post.

Students at the Camperdown/Darlington Campus enjoy heritage-listed sandstone buildings standing side by side with modern facilities surrounded by parklands. Our main campus is also close to Sydney’s central business district and sandy beaches. The Camden Campus is located in a productive farming region.

The areas that surround our beautiful and historic campus are both cosmopolitan and multicultural, with the lively suburb of Newtown, eclectic Glebe Point Road, and the youthful and bustling Central Park precinct just a short walk away. The campus is located near Central and Redfern train stations, and major bus routes run right to our doorstep.
WHY STUDY AT THE UNIVERSITY OF SYDNEY?

Become a veterinary medical professional in the global community.

PRACTICAL AND PROFESSIONAL SKILLS
Develop your practical and professional skills in multiple hands-on settings, from the laboratory to the hospital to the farm, both on campus and in clinical placements. Develop and practise your skills in our new, state-of-the-art clinical skills facilities, on University farms and during external clinical placements.

INNOVATIVE, STUDENT-FOCUSED TEACHING
The DVM embraces the latest in student-focused teaching methodologies, recognising your experience and maturity as a graduate learner. From small group, case-based scenarios to online modules and laboratory sessions, you will realise your potential by studying with a small faculty that offers a high level of individual interaction between staff and students.

Our program attracts the best and brightest local and international students, and entry is highly competitive.

LEADING RESEARCHERS
Our passionate and internationally recognised staff include some of the world’s best veterinary and animal science researchers. The quality of our research programs has been recognised by the federal government’s Australian Research Council, which awarded us the top score of “five out of five” for veterinary sciences research in its latest Excellence in Research for Australia ratings. As a DVM student, you will be engaged with staff who lead emerging discoveries in veterinary science and you will have opportunities to participate in cutting-edge research.

STUDENT EXPERIENCE
Participate in the vibrant, diverse and unique social life of Sydney, at both faculty and University-wide levels. Our active student societies, including VetSoc and the Camden Farms Society, ensure that you will have rich and rewarding experiences both in and out of the classroom.

LOCATION AND FACILITIES
The faculty offers both the inner-city convenience of our Camperdown Campus and the relaxed rural beauty of our Camden Campus. We maintain teaching hospitals at both campuses, providing small animal, large animal, equine and livestock services as well as a dedicated wildlife, avian, reptile and exotic pet hospital.

LEADERSHIP AND CAREERS
Our final year mentoring program supports your professional and personal development and provides you with access to both University and industry professionals. The Faculty of Veterinary Science has a strong global network of more than 5000 alumni, providing you with excellent employment opportunities across the veterinary, agricultural and public health sectors.

INTERNATIONAL PERSPECTIVE
Study global veterinary medicine in a ‘one health’ framework – our DVM places you at the intersection of animal, human and ecosystem health. Students learn in the cutting-edge Charles Perkins Centre which is focused on health. You will develop the skills to pursue expanding career opportunities arising from global concerns about food security, biosecurity and emerging diseases.

PROFESSIONAL RECOGNITION
The faculty maintains its continuous accreditation through the transition to a new veterinary program. Graduates of accredited programs are immediately eligible for registration with the Veterinary Practitioners Board in each state and territory in Australia and are recognised internationally by the American Veterinary Medical Association (AVMA) and the Royal College of Veterinary Surgeons (UK).
PRACTICAL AND CLINICAL EXPERIENCE

Gain the professional, practical and personal skills to be ready to practise.

PRACTICAL AND PROFESSIONAL SKILLS DEVELOPMENT

Clinical skills and animal handling training commence in your first semester, with opportunities to practise key skills using our new clinical skills program. Business management, communication and leadership will form part of your training and development in professional practice. The emphasis on practical and professional skills development during your first three years ensures you will enter final year as a confident and capable veterinary intern.

ANIMAL HUSBANDRY PLACEMENTS

To consolidate your animal handling and husbandry training, and acquire an appreciation of the operations of animal enterprises, you will undertake professional placements at farms and other sites within the major animal industries.

UNIVERSITY VETERINARY TEACHING HOSPITALS

The Faculty of Veterinary Science has University Veterinary Teaching Hospitals in Sydney and Camden, where you will work with our team of specialist veterinarians in well-equipped, high-quality clinical environments involving a wide range of companion animals, farm animals, racing animals and exotic and native species. Referral and primary accession cases are seen at both sites, including our ASAVA-accredited hospital and feline specialist centre, with the Camden site also providing veterinary services to farms in the region.

PREPARATORY CLINICAL EXPERIENCE

Clinic visits commence during your first year and continue throughout the course, culminating in the lecture-free final year capstone experience program. Your knowledge and experience of veterinary medicine, surgery, anaesthesia, radiology, clinical pathology and production animal issues will be developed while you participate in small group learning. You will further hone your surgical and anaesthetic skills in our community spay-neuter program.

FINAL YEAR PARTNERS IN VETERINARY EDUCATION

During your capstone experience year you will complete a series of rotations as a veterinary student intern in our two veterinary teaching hospitals and with our Partners in Veterinary Education in a wide range of locations. Your core placements will be within the fields of small animal practice, rural mixed practice and government agencies. Elective rotations will enable you to focus on particular career interests, which may include government agencies, industry, research, specialist practice, equine and wildlife medicine.
Acquire theoretical knowledge in a clinical context, with hands-on skills training and professional placements.

YEAR 1
FUNCTION OF THE NORMAL ANIMAL BODY (CAMPERDOWN CAMPUS)
Learn about the normal function and structure of the animal body within a medical context. Clinical case examples will demonstrate the relevance of the veterinary sciences (anatomy, physiology, pathobiology and pharmacology) in diagnosing and treating disease. Your practical skills training will start with basic surgical skills and animal handling, and will be extended through clinic visits at the University Veterinary Teaching Hospitals and animal husbandry placements. You will also be introduced to the principles of professional practice, ‘one health’ and research, and start to develop an evidence-based approach to veterinary medicine.

YEAR 2
PRINCIPLES AND APPROACH TO CLINICAL DISEASE (CAMPERDOWN CAMPUS)
Learn about diseases commonly encountered in veterinary practice – wildlife, companion and production animals. Second year focuses on:
- developing your skills in disease investigation by examining common disease syndromes
- continuing your practical and professional skills development
- undertaking your final animal husbandry placements
- expanding your research skills in decision making, diagnostic testing and interpretation and the application of evidence-based practice.

YEAR 3
HEALTH AND DISEASE MANAGEMENT (CAMDEN CAMPUS)
You will develop an advanced approach to health and disease management across the major domestic, exotic and production animal species. This encompasses managing health and disease in different species, being mindful of the needs of the individual animal and the broader population. Your professional development this year will focus on practice management and leadership skills, the provision of veterinary care and animal welfare within different cultures and the completion of your preparatory clinical placements. Your research training will culminate in a professionally focused project.

YEAR 4
CAPSTONE EXPERIENCE YEAR (PROFESSIONAL PLACEMENTS)
Fourth year will be lecture free, allowing you to work as a veterinary intern in a wide range of locations, including at our University Veterinary Teaching Hospitals at Sydney and Camden and externally with our Partners in Veterinary Education. These placements enable you to apply your knowledge and skills to real clinical cases, and equip you with the necessary skills to enter the workforce on graduation as a competent and confident veterinarian.

FOUR-YEAR INTEGRATED CURRICULUM
## COURSE STRUCTURE

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>YEAR 2</th>
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<tbody>
<tr>
<td><strong>FUNCTION OF THE NORMAL ANIMAL BODY</strong></td>
<td><strong>PRINCIPLES AND APPROACH TO CLINICAL DISEASE</strong></td>
</tr>
<tr>
<td><strong>PROFESSIONAL SKILLS DEVELOPMENT</strong></td>
<td>Clinical skills, animal handling, preliminary clinical experience</td>
</tr>
<tr>
<td><strong>RESEARCH AND ENQUIRY</strong></td>
<td>Decision-making, diagnostic testing and interpretation, evidence-based practice</td>
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### CORE AREAS OF STUDY

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
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<tbody>
<tr>
<td>Professional practice</td>
<td>Abnormalities of gait</td>
</tr>
<tr>
<td>Locomotion and posture</td>
<td>Abnormalities of mentation</td>
</tr>
<tr>
<td>Digestion</td>
<td>Abnormalities of urination</td>
</tr>
<tr>
<td>Abnormalities of gait</td>
<td>Abnormalities of urination</td>
</tr>
<tr>
<td>Reproduction and obstetrics</td>
<td>Abnormalities of skin</td>
</tr>
<tr>
<td>Abnormalities of behaviour</td>
<td>Abnormalities of reproduction and lactation</td>
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<tr>
<td>Immunity and inflammation</td>
<td>Abnormalities of digestion</td>
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<tr>
<td>Abnormalities of digestion</td>
<td>Sudden death</td>
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<tr>
<td>Circulation and respiration</td>
<td>Abnormalities of cardiorespiratory system</td>
</tr>
<tr>
<td>Metabolism and excretion</td>
<td>Abnormalities of skin</td>
</tr>
<tr>
<td>Endocrinology</td>
<td>Abnormalities of reproduction and lactation</td>
</tr>
<tr>
<td>Neuroscience and neurology</td>
<td>Abnormalities of skin</td>
</tr>
<tr>
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<td>Abnormalities of digestion</td>
</tr>
<tr>
<td>Abnormalities of digestion</td>
<td>Sudden death</td>
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</tbody>
</table>
Your fourth year is lecture free and includes professional placements in Australia and internationally, within our University Veterinary Teaching Hospitals and with our Partners in Veterinary Education off campus.

Elective placements include:
- equine practice
- exotic animal practice
- wildlife medicine
- specialist practice
- research
- corporate veterinary medicine.
ENTRY REQUIREMENTS

ADMISSION

Admission to the four-year Doctor of Veterinary Medicine at the University of Sydney is based on the following criteria:

– a completed bachelor’s degree, with a minimum Grade Point Average (GPA) of credit (or, for international applicants, a minimum GPA of 2.80 on a 4.0 scale)

– successful completion of one semester of study at bachelor’s degree level in each of the following prerequisite units: general chemistry (physical and inorganic); organic chemistry; biology; and biochemistry

– a completed Doctor of Veterinary Medicine Admission Statement, using the form on our website, including evidence of relevant work experience and animal handling experience

– demonstration of English language proficiency at IELTS level 7.0 (7.0) or IBT 110 (25 in writing, 24 in reading, listening and speaking).

As entry to this course is highly competitive, students who meet the minimum requirements are then ranked according to their academic performance and admission statement.

Shortlisted domestic applicants may be required to attend an in-person interview in late September/early October.

HOW TO APPLY

You need to apply for the DVM online at sydney.edu.au/courses/Doctor-of-Veterinary-Medicine

The application deadline for domestic applicants for Semester One 2016 is 30 September 2015.

The application deadline for international applicants for Semester One 2016 is 4 January 2016.

Late applications may be considered if there are still places available.

You can find application deadlines for future years on the website.

DOCTOR OF VETERINARY MEDICINE

Course code: MAVETMED1000
CRICOS code: 079224J
Duration: 4 years full time
Mid-year entry: No

English requirements (international):
IELTS 7.0 (7.0)/IBT 110 (25 in writing, 24 in reading, listening and speaking)
PATHWAYS INTO THE DOCTOR OF VETERINARY MEDICINE

GRADUATE ENTRY*
A bachelor’s degree with prerequisites – Chemistry, Biology and Biochemistry. All candidates submit a ‘Commitment Statement’.

UNDERGRADUATE ENTRY*
ATAR or equivalent if you are a Year 12 applicant or GPA if you have completed a minimum of one-year full-time or equivalent study of an approved university degree at bachelor level. All candidates submit a ‘Commitment Statement’ and sit the multiple-choice STAT test.

EXIT OPTIONS
After completing your second year, if you are unable to progress to third year you can choose to transfer to the Bachelor of Animal and Veterinary Bioscience or Bachelor of Science with credit for the units of study completed.

**Progression to year 3 of the program is based on academic merit in years 1 and 2 of the program. All students with a year 1 and 2 Weighted Average Mark (WAM) of 75 or greater will be eligible for progression to year 3.

^Students with a year 1 and 2 WAM of <75 but ≥65 may be offered progression to year 3 based on academic merit if places are available.

^Students who wish to exit from the BVetBiol to the regular BSc program may need to complete additional mathematics units to fulfil requirements.

* Please see full entry requirements at sydney.edu.au/vetscience

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| Year 1 | BVetBiol/DVM |
| Year 2 | BVetBiol/DVM |
| Year 3 | BVetBiol/DVM |
| Year 4 | BVetBiol/DVM |
| Year 5 | BVetBiol/DVM |
| Year 6 | BVetBiol/DVM |

Year 1 DVM
Year 2 DVM
Year 3 DVM
Year 4 DVM

Year 3 BAnVetBioSc
Year 4 BAnVetBioSc
Year 5 BAnVetBioSc

Year 3 BSc*
CAREERS AND GRADUATE OPPORTUNITIES

Graduating with a DVM will open up a world of career opportunities for you. In addition to being equipped to become a recognised veterinary medical professional in the global community, you will be able to choose to work in a range of settings in urban and rural areas across Australia and in many places around the world.

You will be qualified to enter a wide variety of exciting fields, including:

- private veterinary practice in small animal, livestock, equine or mixed practices
- corporate veterinary medicine, including in the pharmaceutical industry or allied animal health industries
- private or public animal welfare agencies that work to ensure the health and wellbeing of animals
- government departments and agencies that work on issues of research, biosecurity, public health, public policy, infectious disease or food safety
- agricultural industries, animal health or environmental management
- education, research or teaching
- international animal health, welfare or food production
- diagnostic services
- veterinary public health.
OUR GRADUATES MAKE A DIFFERENCE

Two of our graduates, Joyce Lauw and Dr Warwick Arden, have taken very different career pathways. However, they have one thing in common – their time at the University of Sydney has inspired their own success stories.

JOYCE LAUW
Graduate, Faculty of Veterinary Science

Within her first year of graduating from the Faculty of Veterinary Science, Joyce Lauw secured a position in Singapore, working in a private small animal veterinary practice with 10 other veterinarians.

Being from Singapore, Joyce hoped to secure a job in her home country after finishing her degree, which she did through an advertisement posted on the Singapore Veterinary Association website.

“I work with small animals, plus we see about 40 percent pocket pets – hamsters, guinea pigs, mice and rabbits – in our practice,” she says.

“I really enjoyed my studies at the University of Sydney, and loved the Sydney lifestyle and culture. The extramural placements we did were really interesting – it was a great experience going to farms and learning how things work. Our work out at Camden, where we had our large animal practical classes and surgery practical classes, were the most fun.”

DR WARWICK ARDEN
Provost and Executive Vice-Chancellor of North Carolina State University, USA
Graduate, Faculty of Veterinary Science

Growing up in regional New South Wales, Dr Warwick Arden saw first hand the important role veterinarians played in his hometown’s community, and decided early on that he wanted to be a vet.

“I chose to study at the Faculty of Veterinary Science at the University of Sydney as it was – and still is – the premier vet school in the country,” he says.

Dr Arden first graduated with a Bachelor of Veterinary Science with Honours, then went on to complete an internship in veterinary surgery and a Diploma in Veterinary Clinical Sciences, all at the University of Sydney.

“My favourite parts of my studies were the clinical years – they really clicked for me. I loved surgery and medicine, and problem solving in a way that resulted in a positive outcome for the animal and human clients.

“The new Doctor of Veterinary Medicine at the University of Sydney is an incredibly strong program in a fantastic faculty, in a great international city.”
If you have not completed a bachelor’s degree or the prerequisite subjects for the DVM you may be interested in the six-year combined degree pathway of Bachelor of Veterinary Biology/Doctor of Veterinary Medicine.

It provides the knowledge, practical and generic skills to pursue a diverse career as a veterinary scientist, improving the care, management and welfare of animals.

In first and second year you will gain a foundation in the biomedical and animal sciences that underpin veterinary science. Clinical cases and applied problems in veterinary practice will be used to promote integrated learning across subject areas.

Students in this program who perform well during the first two years will be eligible for progression into the DVM.

For more information, visit sydney.edu.au/vetscience/future_students or contact the Faculty of Veterinary Science.

BACHELOR OF VETERINARY BIOLOGY/DOCTOR OF VETERINARY MEDICINE

BACHELOR OF VETERINARY BIOLOGY/DOCTOR OF VETERINARY MEDICINE

UAC course code: NH006
CRICOS code: 079222M
Duration: 6 years full time
Mid-year entry: No
English requirements (international):
IELTS 7.0 (7.0)/IBT 100 (25/24)
STUDY OPTIONS

POSTGRADUATE COURSEWORK OPTIONS IN VETERINARY AND ANIMAL SCIENCE

You may also be interested in our other postgraduate options:

POSTGRADUATE COURSEWORK
– Animal Science
– Animal Science (Animal Breeding Management)
– Veterinary Public Health
– Veterinary Public Health Management
– Veterinary Studies
– Veterinary Studies (Clinical Residency Program)

Some programs are available at master’s, graduate diploma and graduate certificate levels.

POSTGRADUATE RESEARCH
– Doctor of Philosophy (PhD)
– Master of Science in Veterinary Science
– Master of Veterinary Clinical Studies
– Master of Veterinary Science.

For more information, visit sydney.edu.au/vetscience/future_students