

# Veterinary Biology and Doctor of Veterinary Medicine



**Murdoch**  
UNIVERSITY

## DURATION

Five years full-time study

## LOCATION

Murdoch South Street campus

## TISC CODE

MUSVB (school leaver)  
MUSVV (non-school leaver)

## MODE OF DELIVERY

Internal

## RECOMMENDED SUBJECTS

Biological Sciences 3A/3B  
Chemistry 3A/3B  
Mathematics 3C/3D  
Physics 3A/3B

## SCHOOL

School of Veterinary  
and Life Sciences

## QUALIFY AND APPLY

We welcome applications from students straight from school, as well as those who have already completed some tertiary study. For more information, please go to [murdoch.edu.au/Courses/Veterinary-Science/Qualify-and-apply/](http://murdoch.edu.au/Courses/Veterinary-Science/Qualify-and-apply/)

Join Murdoch University's internationally renowned School of Veterinary and Life Sciences and become part of the next generation of veterinary scientists trained to solve existing and emerging problems of our companion animals, livestock and wildlife.

We combine a science-based approach, with hands-on experience, to prepare you for the highest standard of work in the veterinary industry. You will learn real-world skills in general practice and emergency areas in our world-class veterinary teaching hospitals, clinics and working farm, all located at our South Street campus.

Our highly accredited degree, specialist staff and state-of-the-art facilities will help you gain the skills, knowledge and experience you need to work as a qualified veterinarian.

## Why choose Veterinary Biology and Doctor of Veterinary Medicine at Murdoch?

Our program is accredited by the Australasian Veterinary Boards Council Inc, and internationally by the American Veterinary Medical Association and the Royal College of Veterinary Surgeons in the United Kingdom. Graduating from an accredited veterinary school is essential before you can practice as a licensed veterinarian.

We have the advantage of on-campus clinics, hospitals and teaching facilities along with our on-campus farm. At Murdoch, you can have lectures one minute, then the next be handling or examining our horses, cattle, sheep, pigs or goats on our campus farm. We have a general veterinary practice, referral clinics and emergency centre for small and large animals, along with a clinic for exotic animals. We also have a facility at the Perth Zoo and links with wildlife animal shelters, ensuring you have hands-on experience with a large variety of animals.

Our clinics and hospitals are designed to maximise the real-life experiences and use modern facilities for training in surgery, medicine, diagnostic imaging, anaesthesia and other disciplines within veterinary science. Our Murdoch Pet Emergency Centre is operational 24 hours a day, so you can be exposed to a wide range of conditions affecting pets.

We also have ambulatory services, where you are accompanied by experienced clinical academics on farm and field visits to treat livestock and horses.

Our internationally accredited course is taught by highly qualified, expert staff; many of whom are among the world's best veterinary specialists. Our small class sizes allow for individual attention, especially during clinical training, while you learn to apply technical skills to real cases.

Our national award-winning team of Student Advisors are ready to assist you in your transition to Murdoch and throughout your degree. They are here to help you with any concerns or issues that might arise.

## Career opportunities

Graduating as a veterinarian provides many rewarding career opportunities including medical and surgical work in companion animal practice, food animal practice and equine practice. You could also pursue opportunities in government veterinary services, research, zoo and wildlife medicine and academia, or undertake further training to specialise in a variety of areas.

As our course is internationally accredited, you can explore employment opportunities in many countries, including Australia, the United States of America, Canada, New Zealand, Singapore, South Africa and the United Kingdom.

## Course structure

This course is an accelerated, integrated degree that combines a Bachelor of Science in Veterinary Biology, with an additional two years study in Applied Veterinary Medicine. This leads to a Doctor of Veterinary Medicine, which is a Masters level degree. The total course can be completed in five years with full-time study.

## Murdoch degree structure

Murdoch degrees are structured around four key elements – transition to university, research skills, breadth of knowledge, and depth of knowledge - to make you knowledgeable, experienced, confident and successful within your chosen career.

The first three years (Bachelor of Science in Veterinary Biology) are completed in standard semesters with 24 points per year. The final two years of clinical instruction have an extended timetable of 36 points per year.

The Veterinary Biology degree encompasses both normal and abnormal aspects of vertebrate structure and function. The first year units introduce you to the scientific process, analysis of data and the form and function of the animal body. In your second year, you will explore animal development, structure, function and metabolism. Your third year units cover general aspects of the causes and nature of disease and its control.

Applied Veterinary Medicine in your final two years will give you the knowledge and skills required to diagnose, prevent and treat disease in animals; optimise animal health and productivity; and minimise disease transmission to humans and other animals.

Sample course structure:

### Bachelor of Science (BSc) in Veterinary Biology + Doctor of Veterinary Medicine (DVM)

Year 1 (semesters) BSc	Building Blocks for Science Students	Introduction to the Animal Body	Fundamentals of Chemistry	Statistical Data Analysis	Foundations of Vertebrate Form and Function	Foundations of Cell and Molecular Biology	Introduction to Livestock Science	What is Science?
Year 2 (semesters) BSc	Veterinary Professional Life I	Comparative Mammalian Biochemistry	Veterinary Animal Function and Structure I	Veterinary Animal Function and Structure II	Veterinary Animal Function and Structure III	Veterinary Animal Function and Structure IV	Principles of Infectious Disease I Veterinary Microbiology	Principles of Infectious Disease II Veterinary Parasitology
Year 3 (semesters) BSc	Processes in Animal Disease	Veterinary Nutrition and Animal Toxicology	Animal Behaviour, Welfare and Veterinary Ethics	Introduction to Clinical Practice	Systemic Pathology and Medicine		Principles of Surgery and Anaesthesia	One Health
Year 4 (trimesters) DVM	Year 4 comprises units concerned with the diagnosis and management of diseases in food production animals, companion animals (horses, dogs and cats), and avian, wildlife and exotic pet medicine. The veterinary professional life (VPL II) stream is continued and students are prepared for their transition to practice.							
Year 5 (trimesters) DVM	Veterinary Professional Life III		Small Animal Practice I	Small Animal Practice II	Equine Practice, After-hours and Diagnostic Imaging	Production Animal, Public Health and Pathology	Electives (streaming) in veterinary clinical practice or research	



To visit this course online go to:  
[print.handbook.murdoch.edu.au](http://print.handbook.murdoch.edu.au)

## Want to know more?

### The Student Centre

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