



Why Animal and Veterinary Sciences?

The University of Adelaide is one of Australia's leading universities when it comes to the breadth of our animal and veterinary science programs.

Our suite of degrees gives you the chance to work with a variety of animals—from

cats, dogs and horses, to farm animals, wildlife and exotic pets, and the option of careers in animal research, clinical practice and even pharmaceuticals.

- Ranked in top 50 in the world for animal and veterinary sciences*

- Five-star excellence in Research Australia ranking for veterinary sciences research[^]

- Five-star ranking for learner engagement[†]

* QS World University Ranking by a Subject, 2021

[^] Excellence in Research Australia, 2018

[†] Good Universities Guide, 2021

Summary of entry requirements

Degree	CRICOS code	Duration	Prerequisites	Assumed Knowledge
Undergraduate				
Science (Animal Behaviour) ³	097317K	3	None specified	
Science (Animal Science) ³	047801A	3	None specified	Chemistry and Mathematics
Science (Veterinary Bioscience) ^{3, 18, 22}	062122K	3	Mathematics and Chemistry	Physics
Veterinary Technology ⁴	0100494	3	None specified	Mathematics
Postgraduate				
Doctor of Veterinary Medicine	086311G	3	The Doctor of Veterinary Medicine does not offer direct entry. Entry is only be available after completion of the Bachelor of Science (Veterinary Bioscience) program at the University of Adelaide.	

Please visit [Degree Finder](#) for country specific academic entry requirements and program specific English language requirements.

3 - Roseworthy/North Terrace campuses.

18 - Other non-academic criteria may apply.

22 - Applicants must also complete a written questionnaire

4 - Roseworthy campus

Industry/career outcomes

Combining your love of animals with science is a fantastic way to choose a STEM career that you'll always be passionate about. From therapy dog trainers, to vets and zoologists, there is a variety of careers out there for those who love a furry (or not-so-furry) friend.

We have one of the highest pet ownership rates in the world with over 29 million pets –there are more new puppies than human babies brought home for the first time each year with a boom in 2020 with COVID. And, there's a national shortage of vets and the Australian government forecasts 15% growth in veterinary work from 2018-2023.

Animal Science

Animal scientists manage animal production and welfare, develop and run breeding programs, optimise animal feed and nutrition, and work towards sustainable agriculture practices. In fact, livestock plays a key role in our agricultural industry, which is one of the fastest growing industries in Australia, with significant investment from government.

Roles in this industry include: animal health officer, animal research, animal nutritionist, animal reproduction, research officer, national park ranger, biosecurity officer, animal welfare adviser and journalist.

Animal Behaviour

Animal behaviour specialists understand the science of why animals act in certain ways, how we should work with them, and how we can look after their futures. It even informs our understanding of human behaviour. This area of science has a direct application in animal welfare, management of animals and how animals are viewed in society.

Roles in this industry include: animal management officer, animal behaviourist in zoo or private veterinary practice, biosecurity officer, dog trainer in shelter and researcher.

Veterinary Technology

Being a veterinarian is not the only way to lead animal care. Also known as allied veterinary professionals, veterinary technologists play a vital role in animal health and welfare and provide high-level veterinary care, including being a part of the anaesthesia, surgery and diagnostic imaging team. Veterinary technologists typically work in private clinics, laboratories, and animal hospitals. Some work in boarding kennels, animal shelters, rescue leagues, and zoos.

Roles in this industry include: veterinary practice manager, specialty practice technologist (e.g. dermatology or critical case care), herd health consultant, or in wildlife rehabilitation.

Veterinarian

Veterinarians are experts in the diagnosis and treatment of disease, animal care and welfare. As a veterinarian, you may choose to concentrate on small animals, large animals, mixed practice or zoo animals. There are specialist consultants in aquaculture, equine, surgery or pathology (which requires further

training); specialists in food safety, biomedical research; disease surveillance and the pharmaceutical industry.

Learning outcomes

Bachelor of Science (Animal Science)

Our Bachelor of Science (Animal Science) prepares you for success in the lab and the field. You will:

- build practical skills with 200 hours of professional work experience
- work with variety of species, including livestock, horses, wildlife, companion animals and laboratory animals
- cover a broad cover of animal disciplines: physiology, anatomy, reproduction, breeding, nutrition and health, behaviour, welfare and ethics.

Sample subjects:

- Biology
- Animal Behaviour
- Welfare and Ethics
- Animal Handling and Husbandry

Bachelor of Science (Animal Behaviour)

Our Bachelor of Science (Animal Behaviour) is designed to boost your practical skills while you study, with opportunities for industry experience, field work and study tours. You will:

- study the behaviour of animals big and small, including cats, dogs, birds, horses, livestock, wildlife and insects
- build practical skills through a 13-week industry research project, including site visits, field work and placements
- join a close-knit, animal-loving community at our Roseworthy campus
- learn about animal development and the biological drivers of behaviour
- explore focussed courses relating to companion animal, production animal and wildlife species

Sample subjects:

- Animal Handling and Husbandry
- Psychology
- Biology

WANT TO KNOW MORE?

Check out our [Careers in Science brochure](#) for more information about what these roles involve or to discover the vast and varied career options available in science.

Bachelor of Veterinary Technology

Our Bachelor of Veterinary Technology will prepare you to deliver maximum benefit to animals' health and wellbeing. You will:

- gain high-level knowledge and practical skills to care for all kinds of animals—from cats to dogs, and horses, to farm animals, wildlife and exotic pets
- take part in extensive hands-on clinical experience
- the opportunity to select an area of special interest in third year (Track) which will extend your knowledge and experience in small animals, anaesthesia, imaging, equine, farming or practice management.
- regular access to our world-class Veterinary Health Centre and Veterinary Skills Simulation suite and extensive hands-on experience.

Sample subjects:

- Anatomy for Veterinary Technologists
- Physiology for Veterinary Technologists
- Introduction to Mechanisms of Health and Evidence-based Veterinary Technology.

Please note: This program is not a pathway to the Bachelor of Science (Veterinary Bioscience) or becoming a registered veterinarian.

Veterinary Science

Our Bachelor of Science (Veterinary Bioscience) is ranked in the top 50 in the world for veterinary sciences* and has a Five Star Excellence in Research Australia ranking[^]. It is the first part of our veterinary program, which includes the Bachelor of Science (Veterinary Bioscience) and the Doctor of Veterinary Medicine. You will:

- learn in one of the smallest veterinary class sizes in Australia, meaning more personalised attention from our highly experienced teachers and researchers

ROSEWORTHY

Roseworthy campus is an internationally renowned centre for excellence animal and veterinary sciences. It is set on over 1,600 hectares of land for practical training and is home to South Australia's only veterinary school.

It features a \$37million Companion Animal Health Centre and working farm, where you can gain clinical experience while studying. Co-location with industry partners ensures you are exposed to the latest research, innovation and emerging technologies, like livestock monitoring sensors.

Roseworthy is located 55 kilometres north of Adelaide and 10 kilometres from the town of Gawler (population 24,000). Access to the campus from Adelaide is available by a North Terrace-Roseworthy campus shuttle bus. Campus services include student accommodation, a cafe, student union shop, student hub, a swimming pool and fitness centre.

- undertake a significant amount of hands-on animal work, starting in semester one
- experience real industry settings including farms and intensive production facilities
- explore the anatomy, physiology and behaviour of normal animals and identify the pathogenic organisms that attack them.

Sample subjects:

- Animal Handling and Husbandry
- Animal and Plant Biochemistry
- Professional Skills in Veterinary Bioscience
- Genes and Inheritance

Our program is fully accredited in Australia, and after graduating from the DVM, you will be eligible to work in Australia, New Zealand, South Africa, Singapore, the UK and Hong Kong.

In addition to academic prerequisites, there are observational, communication, motor and intellectual skills required to become a registered veterinarian. See the [Admissions Guide](#).

Related degrees

For a list of all of our science related degrees visit:
adelaide.edu.au/degree-finder/vetsci

- Bachelor of Science
- Bachelor of Science (Advanced)
- Bachelor of Science (Marine Biology)
- Bachelor of Science (Wildlife Conservation Biology)
- Bachelor of Agricultural Science

FOR MORE INFORMATION

For more details about specific degree requirements and study plans, visit:
adelaide.edu.au/degree-finder