FACULTY
OF VETERINARY
SCIENCE

THE UNIVERSITY OF SYDNEY

BACHELOR OF ANIMAL AND VETERINARY BIOSCIENCE

Starting with a strong science foundation, the four year BAnVetBioSc program develops scientific skills in applied animal health and disease; nutrition and feed technology; genetics and biotechnology; reproduction and assisted reproductive technologies; behaviour and welfare science.

COURSE OVERVIEW

The BAnVetBioSc is a flexible applied science program that allows you to tailor your degree to your specific interests, within the field of animal science. In your final year, you will complete an individual research project in a field of your choice, and you may be awarded honours on the basis of performance. Animal scientists can work with a wide range of animals, from production animals, both in Australia and overseas, to domestic animals and wildlife. Graduates have proven to be highly employable across a wide range of industries, in agribusiness, government, research, biomedical science, development, management and teaching.

WHAT WILL YOU STUDY?

In your first year, you will study a foundation science program including chemistry, biology and biometry, and also basic animal management, rural and environmental studies.

As a second year student, you will undertake more specific studies in areas relevant to animal science: animal structure and function, introductory veterinary pathogenesis, animal conservation biology, economics, agricultural chemistry and genetics.

Your third year of study will focus on applied animal sciences: nutrition, reproduction and genetics. You will also choose from a wide range of electives such as animal behaviour & welfare science, animal biotechnology, agents of animal disease & laboratory disease investigation, agribusiness management & marketing, ecology & wildlife management, food biochemistry, agricultural entomology, plant & soil science and managing agro-ecosystems.

In your final year, you will conduct an individual research project and select an advanced coursework program in either animal genetics at our Camperdown campus (cytogenetics, bioinformatics & genomics, recombinant DNA technology, wildlife genetics); or animal production at our Camden campus (aquaculture, production in the dairy, beef, sheep, poultry and pig industries, feed technology, food safety, applied animal health and disease).

WHAT DO WE SPECIALISE IN?

- Livestock production in the major and emerging animal industries
- Applied animal health and disease
- Conservation genetics
- Production animal genetics and breeding management
- Animal reproduction and assisted reproductive technologies, in production animals and also wildlife
- Animal behaviour and welfare science, particularly in production and companion animals
- Applied animal nutrition
- Research skills and training for animal scientists

PROFESSIONAL DEVELOPMENT

You will undertake at least 60 days of practical, faculty-supported work experience with animal and animal-related enterprises, businesses, properties, government departments, research and volunteer organisations throughout your degree and in university vacations. You will find this program both challenging and rewarding, as you experience different animal science careers and make contacts that may assist you in your graduate career.

ASSUMED KNOWLEDGE

While there are no pre-requisites for entry, it is assumed that you have studied the equivalent of HSC 2 unit mathematics and chemistry. Biology would also be an advantage.

ADMISSION FOR DOMESTIC (LOCAL) STUDENTS

All domestic (local) students must apply through the Universities Admission Centre (UAC). Additional documentation and/or applications are required for alternative entry schemes, please see below for further information.

Year 12 students

As a year 12 student, you will be ranked on the basis of your ATAR or interstate equivalent. If you do not achieve the required ATAR, you may be eligible for one of a limited number of places via alternative admission schemes:

– Rural Entry
– Flexible Entry
Your ATAR must fall within 5 points of the main round cut-off to be eligible for either scheme.

sydney.edu.au/vetscience

Rural Entry Scheme

If you have completed an Australian year 12 examination in the last 2 years, have no tertiary record, and have completed at least the last four years of secondary education at a rural school, you may be eligible for admission under the Faculty of Veterinary Science Rural Entry Scheme. Application forms are available from our website.

sydney.edu.au/vetscience

Flexible Entry Program

You will automatically be considered for Flexible Entry if you are a year 12 UAC applicant and your ATAR falls within 5 points of the cut-off. Good performance in relevant science-based HSC subjects (Chemistry, 2 unit Mathematics, Biology, Agriculture) is essential. No additional application is required.

sydney.edu.au/vetscience

"Transferring" to Animal and Veterinary Bioscience

If you have successfully completed one or more years of full time study at Bachelor's degree level (or the equivalent at part time), you will be ranked for competitive entry on the basis of the better of:

(1) your tertiary grade point average (GPA); or

(2) combination of your GPA and ATAR.

sydney.edu.au/vetscience

Mature Age Entry

If you are eligible to apply as a mature age entrant, your admission will be based on the successful completion of one of these approved preparatory courses:

– University Preparation Course (mathematics and science)
– Limited HSC (English, mathematics, chemistry and biology)
– Certificate IV in Tertiary Preparation (mathematics, chemistry and biology)

Please contact the special admissions office to ensure that you qualify for mature age entry **before** enrolling for a preparation course.
T: +61 2 8627 8207

Aboriginal and Torres Strait Islander Students

Aboriginal and Torres Strait Islander students should contact the Koori Centre at the University of Sydney for information on special admissions under the Cadigal Program and for general advice on courses and enrolment.

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FOR MORE INFORMATION CONTACT

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