

FACULTY
OF VETERINARY
SCIENCE



THE UNIVERSITY OF
SYDNEY

BACHELOR OF ANIMAL AND VETERINARY BIOSCIENCE INTERNATIONAL

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 REQUIREMENTS FOR INTERNATIONAL APPLICANTS

International applicants will be assessed on the basis of academic performance. International students must have achieved a similar standard to that expected of an Australian student seeking entry. Applicants will be assessed on the basis of their academic achievement in their final year of secondary education (Year 12 or equivalent) or their tertiary studies (Bachelor's degree level) as appropriate, from a recognised University.

Applicants must demonstrate an aptitude for science-based study.

If you are an international student sitting an Australian Year 12 examination in Australia you should apply through UAC (see below). All other international student applicants should obtain an application form from:

The International Office
Level 4, Jane Foss Russell Building
(G02)

The University of Sydney
NSW 2006, AUSTRALIA

E: info@io.usyd.edu.au

Domestic free call: 1800 899 376
(future students only)

International Telephone: +61 2 8627
8300

F: +61 2 8627 8387

W: sydney.edu.au/international

If you are an Australian citizen but have academic qualifications from overseas, you should apply through UAC (see below). If you are a permanent resident (non-citizen) of Australia, you also should apply through UAC. New Zealand citizens apply through UAC as a local student for a CSP place but Permanent Residents of New Zealand should apply as a fee-paying international student.

Instruction in the University of Sydney is in English. If you need to improve your English before commencing, you can take a course in English for Academic Purposes at the University of Sydney Centre for English Teaching. If you have an IELTS score of 7.0 you can take the Orientation English for Academic Purposes Course at advanced level which is a four week course held in January every year. All inquiries to the Centre for English Teaching, The University of Sydney NSW 2006 (tel: +61 2 9036 7900, email: info@cet.usyd.edu.au, or visit <http://www.usyd.edu.au/cet/>).

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FOR MORE INFORMATION CONTACT

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