



University of
Reading

DEPARTMENT OF ANIMAL SCIENCES

BIOVETERINARY SCIENCES

Understanding animal physiology and health –
from molecular processes to the whole animal
in its environment

An essential component of any animal-based
career in industry, research or the veterinary sector



BIOVETERINARY SCIENCES AT READING

Bioveterinary Sciences develops your understanding and application of the science that underpins the management of farm, companion and zoo animals for optimal health and welfare, in a time where animals play an increasingly important role in our everyday lives. We particularly focus on the study of physiology – from molecular to whole organism level; nutrition; animal disease; the animal's environment, behaviour and welfare.

Led by our Department of Animal Sciences, BSc Bioveterinary Sciences at Reading is ideal if you would like a career related to animal health, welfare, nutrition, management or research, or as a stepping stone for a veterinary medicine career.

The four year option, with placement year, gives you the opportunity to spend a minimum of 40 weeks working alongside professionals in an organisation that will provide relevant and genuine work experience. Previous students have undertaken placements with ABP Food Group, RSPCA, WALTHAM Petcare Science Institute, DuPont and Chester Zoo. You can apply for one of the many advertised placement years in the UK or abroad, or you can develop your own tailor-made placement.



High Ranking
Part of a School ranked in the top 20 in the world (QS World Rankings for Agriculture and Forestry, 2023)



Placement experience



Links to industry

OUR COURSES

BSc Bioveterinary Sciences (D301)

3 years full-time

BSc Bioveterinary Sciences with Placement Year (D302)

4 years full-time

TYPICAL OFFER

UCAS tariff BBB including grade B in A level Biology and another science subject *

International Baccalaureate 30 points overall, including Biology and one other science subject at higher level.

BTEC Extended Diploma DDM, Modules must be comparable to A level subjects specified.

Other qualifications are considered and we welcome applications from mature students with relevant practical experience.

**With
Foundation
year**

If you do not meet the typical entry requirements, did you know we also offer **BSc Bioveterinary Science with Foundation Year (D303)**? To find out more about the foundation year visit: reading.ac.uk/ready-to-study/study/subject-area/foundation-programmes-ug/bsc-bioveterinary-sciences-with-foundation

HOW TO APPLY

For full details on subject and grade requirements and how to apply, visit:

reading.ac.uk/ready-to-study/study/subject-area/bioveterinary-sciences-ug

*Acceptable science subjects include Chemistry, Physics, Maths, Further Maths, Statistics, Psychology, Geography, Environmental Science/Studies, Applied Science, Geology, Computer Science, IT.



STUDY ABROAD

If you're interested in studying abroad for part of your degree to immerse yourself in a new culture and environment, our team can help you explore your options.

You may be eligible to take a study abroad semester or study abroad year.

We have links with institutions in Australia, New Zealand, USA and Europe.

For more information on Study Abroad at Reading visit:
studyabroad.reading.ac.uk/outgoing

WHY READING?

- Be part of a vibrant Department within a School that is ranked highly in the league tables and is internationally recognised for its research expertise, which transferred to a teaching environment means you'll develop excellent research skills that are highly regarded by employers.
- Utilise our modern facilities, including laboratories, located on our award-winning parkland campus, complimented by the University's own farm and animal research centre 'CEDAR' that is used for research and teaching.
- Benefit from excellent links with the animal and bioveterinary community, including farms, zoos, vet practices, industry companies and labs to ensure that you acquire diverse insight across the industry through field visits.
- Choose an optional placement year or study abroad experience.

BREADTH AND DEPTH

Our degree is built on a number of core modules that give you the breadth of knowledge a Bioveterinary Scientist needs to succeed, covering subjects such as:

- Animal anatomy, physiology and biochemistry
- Nutrition
- Microbiology
- Veterinary health and disease
- Bioveterinary science 'in practice' (including research skills)
- Data skills
- Independent research project

Optional modules, allow you to follow your interests and gain more depth in your studies covering topics such as:

- Companion animal science
- Zoo and exotic animal science
- Equine science and management
- Livestock production, nutrition and welfare
- Zoonotic epidemiology
- Genetics

For a complete list visit our website.

YOUR CAREER ASPIRATIONS

Our degree can lead you to a range of scientific, managerial and technical careers in commercial organisations focussed on animal/veterinary health, animal nutrition and biotechnology. Other career avenues include scientific research, education, charities and the agriculture and food industry, while some graduates use their degree as a stepping stone for further study in Veterinary Medicine/Science, MSc or PhD programmes.

Employability skills are embedded throughout the curriculum and students have many opportunities to explore a range of career options and build application and interview skills. There are plenty of ways to build vital experience and skills, from volunteering activities through the RED Award to our mini work placement module or full placement year.



'I've really benefited from the first-hand experience that Reading has offered, from countless visits to animal-related practices to working in the labs on campus. The current research carried out by the lecturers is also extremely relevant and has shaped the course and my learning.'

Laura Wilkins, Department of Animal Sciences graduate





The Department of Animal Sciences, based within the School of Agriculture, Policy and Development, is committed to empowering change through our teaching and research, with our academics working to tackle some of the world's most pressing issues.

Our mission is to make a difference in the context of the United Nations Sustainable Development Goals, so we offer a diverse range of modules giving you knowledge and skills that will enable you as an individual to have an impact and be part of global change, whatever your chosen pathway.



BIOVETERINARY SCIENCES AT READING

i For more information, please contact:

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Important Information

This brochure was issued in 2023 and is aimed at prospective undergraduate students wishing to apply for a place at the University of Reading (the University) and start a course in autumn 2024. The University makes every effort to ensure that the information provided in the brochure is accurate and up-to-date at the time of going to press (May 2023). However, it may be necessary for the University to make some changes to the information presented in the brochure following publication – for example, where it is necessary to reflect changes in practice or theory in an academic subject as a result of emerging research; or if an accrediting body requires certain course content to be added or removed. To make an informed and up-to-date decision, we recommend that you check reading.ac.uk/study

The University undertakes to take all reasonable steps to provide the services (including the courses) described in this brochure. It does not, however, guarantee the provision of such services. Should industrial action or circumstances beyond the control of the University interfere with its ability to provide the services, the University undertakes to use all reasonable steps to minimise any disruption to the services.

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Topics

Topics are provided as a taster of the areas of study that may be available on each course. Information is correct at the time of going to press (May 2023), for a list of compulsory (core) modules please check reading.ac.uk for the most up to date information.

Year abroad and placement fees

Some courses include an optional or compulsory year abroad or placement year. During this year you will only pay a partial fee which is currently set at 15% of the normal tuition fee. Check the website for the latest information: reading.ac.uk/fees-and-funding

Placements

Programmes with a Professional Placement Year (also known as 'Year in Industry' or 'Placement Year') are fully dependent on students securing their own placement opportunity, normally through a competitive recruitment process. The University provides dedicated career and application support for placement year students. Students who do not secure a placement or who are unable to complete the placement year due to extenuating circumstances, have the option to transfer to a three year variant of their programme with agreement from their School/Department.

Study abroad

The partnerships listed are correct at the time of publication (May 2023). For up to date information on the University's partnerships contact studyabroad@reading.ac.uk

Where Study Abroad is not a compulsory part of the degree programme, the University of Reading cannot guarantee that every applicant who applies for the scheme will be successful. Whilst efforts are made to secure sufficient places at partner institutions, the number of places available and the University's partners can vary year-on-year. In all cases, the University cannot guarantee that it will be possible for applicants to choose to study abroad at a particular institution.

Further, certain courses and/or institutions may require you to satisfy specific eligibility criteria. It can be a competitive process. For further information on the University's Study Abroad Scheme please contact studyabroad@reading.ac.uk