



University  
of Glasgow

# Veterinary biosciences

## Undergraduate study





This programme is unique within Scotland in offering training dedicated to veterinary biosciences.

## Choose Glasgow

### Introduction

There are many reasons why you should study veterinary biosciences at Glasgow. Set in the grounds of Garscube Estate, three miles from the main Gilmorehill campus, our Vet School has an enviable record in teaching and research, which will be complemented by collaboration with staff from the life sciences. Cochno Farm & Research Centre, a commercial dairy, beef and sheep farm and an additional teaching facility, lies five miles to the north of Garscube Estate.

The teaching team take great pride in this innovative programme, first introduced in 2008. Reasons for choosing Glasgow as a place of study include:

- our teaching – the Vet School also delivers a highly acclaimed Bachelor of Veterinary Medicine & Surgery (BVMS) degree which meets the accreditation requirements of the UK, European and North American veterinary professional bodies (Royal College of Veterinary Surgeons, European Association of Establishments for Veterinary Education and American Veterinary Medical Association). Students on the Veterinary Biosciences programme will have access to the same academic expertise and relevant facilities.
- our research – in the latest independent survey of research quality, the 2008 Research Assessment Exercise, the Vet School was rated top in Scotland and joint leader of UK universities. This means that you will be taught by academics who are considered to be producing work that is world leading.

Veterinary biosciences is a biological sciences programme dedicated to those areas of science that underpin veterinary medicine. The programme brings together world-renowned veterinary and life scientists to foster an environment in which cross-fertilisation of ideas and multidisciplinary research collaborations can thrive, and where integrated student education and training can be achieved.

Our activities embrace aspects of biology and animal health, from the provision of state-of-the-art disease investigation and clinical care to international leadership in research into the causes of disease. We are a top-rated teaching establishment providing training to the next generation of veterinary scientists.



Our programme is designed to provide you with the knowledge, philosophy and technical skills that you will need to undertake a fulfilling career in any aspect of veterinary bioscience and prepare you for continued lifelong learning.

[www.glasgow.ac.uk/vet](http://www.glasgow.ac.uk/vet)

## Veterinary Biosciences

Degree: BSc, MSci

### Typical offer

**Highers** ABBB at one sitting  
**A-levels** ABB at one sitting  
**IB** 32 points

For entry requirements visit [www.glasgow.ac.uk/undergraduate/degrees/entryrequirements](http://www.glasgow.ac.uk/undergraduate/degrees/entryrequirements)

This programme will provide you with an understanding of those aspects of animal science which underpin both the role and use of animals in society and in modern veterinary and laboratory animal practice. As such, the programme will concentrate on those species which have a major societal impact, and will be based on a foundation of core subjects including molecular and cellular biology, proteins and immunology, anatomy and physiology of domestic and laboratory mammals, genetics and oncogenesis, the causes and development of infectious diseases, pathological principles underlying disease processes, the principles and effects of drug action, experimental design and biostatistics and a consideration of management principles.

### What can I expect in first and second years?

The first two years of the programme will consist of chemistry, biology, animal husbandry and comparative biomedical sciences such as anatomy and physiology, combined with biomolecular sciences and a wide choice of related subjects.

### What can I expect in third year?

In year three, the focus will be on pathological sciences (for example infectious disease and molecular oncology), and will embrace the principles and effect of drug action.

### What happens next?

Depending on results in the first two years of the programme you may be eligible to apply for a one-year work placement as an integrated part of your degree to be undertaken after third year. The placement year will normally be spent doing research in industry or some other organisation, usually in the UK but occasionally overseas. The extension of the programme to five years of study in this way will lead to the MSci degree.

### Final year

The final taught year (year 4 BSc, year 5 MSci) will include courses on scientific methods, statistics, population medicine, epidemiology and animal welfare, ethics and legislation with a significant research project.

### What are my career prospects?

The Veterinary Biosciences degree will provide an excellent preparation for a career in veterinary research.

The programme is also intended for those considering a career in the animal care or pharmaceutical industries where a broad understanding of the biomedical sciences would be an asset. This could be a suitable starting point for a management career in such industries.

It would also be an ideal first degree for those wishing to undertake Veterinary Medicine as a second degree.

Other career possibilities include teaching of biological subjects at schools, colleges of further education or universities.

### Where can I find out more?

There is more information on our website: [www.glasgow.ac.uk/vet](http://www.glasgow.ac.uk/vet).

We are also happy to answer any questions. For undergraduate admissions enquiries: tel: +44 (0)141 330 5705 or email: [admissions@vet.gla.ac.uk](mailto:admissions@vet.gla.ac.uk).

### Come and visit us

#### Open Day

[www.glasgow.ac.uk/penday](http://www.glasgow.ac.uk/penday)

In June and September we hold an Open Day to allow you, your family and teachers to visit us on campus and see a little of the city.

Open Day allows you to speak to academic staff, find out more about courses, tour the facilities, visit student accommodation and see for yourself what life would be like as a student at Glasgow. If you have a long way to travel you can also stay in one of our student residences.



‘Scotland at its artsy, riotous, high-octane, good-time best.’

Lonely Planet



## City of Glasgow

### What is it like living and studying in Glasgow?

Named as one of the world’s top ten cities by independent travel guide *Lonely Planet*, Glasgow attracts the largest student population in Scotland. The city’s reputation for friendliness means that wherever you come from, you’ll soon treat it as your second home.

#### Music and nightlife

In an average week Glasgow hosts 123 bands, 72 classical composers, 49 choirs, 38 orchestras and 21 jazz bands. Renowned for discovering acts from Franz Ferdinand to Primal Scream, the city has fantastic venues for live music including King Tut’s Wah Wah Hut – voted UK’s best live venue by listeners of Radio 1 three years in a row.

More than 700 bars, pubs and nightclubs mean no two nights in Glasgow are the same. Whether you’re after a record-breaking 100-foot long bar where everyone can be a barfly (the Horseshoe), or a pub with a log fire, stuffed stags’ heads and kilted staff that’s as appealing as it is unpronounceable (Uisge Beatha), Glasgow has a venue to suit. Dance until you drop at the Subclub, or travel back to 1920s America at the Vegas clubnight on the Renfrew Ferry, it’s up to you.

#### Festivals

At least one festival every month of the year shows Glasgow loves to celebrate. Some of our favourites include Glasgow International Comedy Festival, Celtic Connections folk music festival, Glasgay, Piping Live!, Glasgow Film Festival and Aye Write!, the city’s book festival.

#### Culture

The city of Glasgow owns one of the richest collections in Europe, displayed in 13 museums and art galleries – and admission is free. You are spoilt for choice, with the city’s famous Burrell collection vying for attention beside Scotland’s most visited attraction, the Kelvingrove Art Gallery & Museum, located next door to the University.

#### Sport

The city will host the Commonwealth Games in 2014. Across the world people know Glasgow as home of Celtic and Rangers football clubs, but with no fewer than 27 public fitness centres including swimming pools, running tracks, 11-a-side pitches and tennis courts, you’re guaranteed to find something to get involved with, whatever your level of fitness.

#### Campus culture

Are you craving cosy campus living or do you prefer big city excitement. Whichever is your style, you’ll be impressed by the University’s excellent location in the compact West End. Just two miles from the city centre, with great bus and underground links, the West End has a reputation as the bohemian, trendy and cosmopolitan quarter of Glasgow.

### What our students say

‘Glasgow is such a diverse and vibrant city with lots to offer and a great social scene with a fantastic range of bars, clubs and music venues.’

Alexander Hutchison

‘I chose Glasgow because compared to the other cities I visited it just seemed like a much more lively place. I think the high student population makes it a very young city.’

Elizabeth Ritz

‘The campus at Glasgow is unbelievably beautiful. It’s hard to believe sometimes when walking down busy Byres Road and turning into University Avenue, that this Hogwarts is situated right in the heart of the West End.’

Beverley Simpson

‘Glasgow is very vibrant. The West End is like the village within the city.’

Sarah Gibson

