“Edinburgh isn’t so much a city, more a way of life ... I doubt I’ll ever tire of exploring Edinburgh, on foot or in print.”

Ian Rankin
Best-selling author and alumnus
Influencing the world since 1583

For more than 400 years the University of Edinburgh has been changing the world. Our staff and students have explored space, won Nobel Prizes and revolutionised surgery. They’ve published era-defining books, run the country, made life-saving breakthroughs and laid the foundations to solve the mysteries of the universe.

Our distinguished alumni include NASA astronaut Piers Sellers, former MI5 Director-General Dame Stella Rimington, Olympians Sir Chris Hoy and Katherine Grainger and historical greats such as philosopher David Hume, suffragist Chrystal Macmillan, who founded the Women’s International League for Peace and Freedom, and physicist and mathematician James Clerk Maxwell.

International collaboration
An internationally renowned centre for academic excellence, we forge world-class collaborations with partners such as the California Institute of Technology (Caltech), Stanford University, the University of Melbourne, Peking University, the University of Delhi and the University of Kwazulu-Natal. As a member of the League of European Research Universities and the Coimbra Group, we link up with leading institutions across Europe.

Linking research and commerce
We were one of the first UK universities to develop commercial links with industry, government and the professions. Edinburgh Innovations promotes and commercialises our research excellence and can assist you in taking the first step to market, through collaborative research, licensing technology or consultancy.

Enhancing your career
We are committed to embedding employability in your University experience and one of the Russell Group’s best track records for graduate employment. From volunteering schemes to our sector-leading careers service, we provide you with opportunities to develop your skills, knowledge and experience, giving you an edge in the competitive job market.

TOP 50
We’re consistently ranked one of the top 50 universities in the world. We’re 23rd in the 2018 QS World University Rankings.

4TH
We’re ranked fourth in the UK for research power, based on research quality and breadth.*

83%
The majority of our research – 83 per cent – is considered world leading or internationally excellent.*

32ND
We’re ranked 32nd in the world for the employability of our graduates.†

£268m
In 2015/16 we won £268 million in competitive research grants.

21
We’re associated with 21 Nobel Prize winners, including physicists Peter Higgs, Charles Barkla and Max Born, medical researcher Peter Doherty and biologist Sir Paul Nurse.

13TH
We’re ranked 13th in the world’s most international universities.‡ Students from two-thirds of the world’s countries study here.

* Research Excellence Framework (REF) 2014
† Latest Emerging Global Employability University Ranking
‡ Times Higher Education: The World’s Most International Universities 2017
Online learning programmes

The University of Edinburgh is the largest provider of postgraduate online learning programmes in the Russell Group. Our flexible, online learning programmes are making a difference to a new generation of postgraduate students around the world.

The Royal (Dick) School of Veterinary Studies (RDSoV) has been offering innovative postgraduate programmes online to veterinary and related professionals since 2005. We offer a range of online taught master of science (MSc) and master of veterinary science (MVetSci) programmes for candidates with a first degree in veterinary medicine, or in a relevant biological or animal science subject. Many of our programmes are also available as a postgraduate diploma (PgDip) or certificate (PgCert), or as postgraduate professional development (PgProfDev - see page 11). There are nine online programmes to choose from and with more than 250 online students in our School, we take the delivery of teaching online as seriously as we do on campus. Every programme has an experienced team of programme director, coordinator and administrator, and each student has a personal tutor, so you will be fully supported in all aspects of your student experience.

The online, part-time format is particularly supported in all aspects of your student experience. Every programme has an experienced team of programme director, coordinator and administrator, and each student has a personal tutor, so you will be fully supported in all aspects of your student experience.

The modular, portfolio approach offers you the greatest flexibility to meet your needs as a modern practitioner. Our goal is to provide you with the skills and knowledge required to be a highly effective practitioner and act as a leader or mentor within the veterinary community.

The programme is delivered entirely online, incorporating a variety of teaching methods including online lectures, tutorials, specialist external readings, literature-based research, computer-assisted learning and quizzes. You will have the option to select a final year project or dissertation. More information:

More information:
www.ed.ac.uk/pg/vet/postgraduate/online

New programmes

We are expanding our online learning portfolio and plan to launch the following MSc/PgDip/PgCert programmes for September 2018 intake:

- Applied Conservation Genetics with Wildlife Forensics
- Food Safety
- Food Security
- Applied Poultry Science
- Wild Animal Biology & Health

All programmes are subject to validation.

For more up-to-date information on the development of this programme, please check online:
www.ed.ac.uk/postgraduate/degrees

Key

FT: Full time. PT: Part time.

Online learning technology

Our online learning technology is fully interactive and allows you to communicate with our highly qualified teaching staff from the comfort of your home or workplace. We give you as much access to our staff as if you were here in Edinburgh. You will not only have access to Edinburgh’s excellent resources, but will also become part of a supportive online community, bringing together students and tutors from around the world and enabling you to have the ‘Edinburgh experience’ wherever you are in the world.

Many of our programmes have collaborative relationships with other academic and charitable organisations, giving you a unique opportunity to interact and share knowledge with the widest range of experts in a particular field. When you consider the benefits of flexible online study, it’s not surprising that even locally based professionals choose this option.

Our online learning programmes in this section have the option to be taken as an intermittent study, allowing you to complete a masters programme in up to six years. In addition to compulsory courses, you can choose option courses from a variety of programmes, allowing you to tailor your education to suit your individual interests and requirements, and enhance your career opportunities in an increasingly competitive marketplace.

More information:
www.ed.ac.uk/pg/vet/postgraduate/online
Clinical Animal Behaviour

MSc up to 6 yrs FT, PgDip up to 4 yrs FT, PgCert up to 2 yrs FT

Programme description
This programme provides flexible postgraduate study, designed to specifically address the demand for online clinical animal behaviour teaching within a supported learning environment. The programme utilises an evidence-based approach to explore the potential motivations, management and treatment options for abnormal and/or problem behaviours commonly expressed by companion animal species living within a domestic environment.

The subject involves a multidisciplinary approach, drawing on knowledge and techniques from the fields of psychology, ethology, neurobiology, pharmacology and veterinary science.

This programme contains teaching and learning that is aimed at your academic preparation for a professional career working with companion animals in the management of animal behaviour in a variety of settings, including clinical animal behaviour counselling.

Programme structure
This programme is modular in structure, offering a flexible student-centred approach to the choice of courses studied. You may also undertake this programme by intermittent study (flexible progression route).

CERTIFICATE COURSES PREVIOUSLY OFFERED INCLUDE:
- Principles of Applied Animal Behaviour and Clinical Animal Behaviour
- Hands-on Diploma in Animal Behaviour and Veterinary Science

DIPLOMA COURSES PREVIOUSLY OFFERED INCLUDE:
- Clinical Animal Behaviour in Practice and two option courses from a choice of four.

MASTERS
The dissertation element of the programme will allow further development of scientific skills and may take the form of a short research project, case studies relating to relevant professional experience or an extended literature review.

Career opportunities
Graduates often find work in the field of companion animal behaviour and welfare as well as working in education, or as advisers with governments and non-governmental organisations.

Entry requirements
A UK 2:1 honours degree or its international equivalent (www.ed.ac.uk/international/graduate-entry) with a biological background, for example a degree in veterinary medicine/science, biological sciences, zoology, psychology or animal/zoology science.

English language requirements
See page 30.

Fees and funding
See page 30.

Programme Director Amy Miele
Tel +44 (0)131 651 7363
Email clinicalanimalbehaviour@ed.ac.uk

Conservation Medicine

MVetSc up to 6 yrs PT, PgDip up to 4 yrs PT, PgCert up to 2 yrs PT, PgProfDev up to 2 yrs PT

Programme description
Conservation medicine is an emerging field that studies the complex relationships and interactions between animal health, human health and ecosystem health. This programme provides veterinarians with the skills and knowledge required to be effective practitioners of conservation medicine.

This programme is ideal for veterinarians who wish to achieve a world-class award while maintaining busy professional and personal commitments. You will gain the capacity and expertise to contribute effectively to this rapidly growing interdisciplinary field and to enhance your career opportunities.

This programme is affiliated with the University’s Global Health Academy: www.ed.ac.uk/global-health

Programme structure
The flexible nature of this programme will allow you a maximum of six years to complete it. Each year will consist of three, 11-week terms, structured into two blocks of five weeks of study, with a week in between for independent study and reflection. It is also possible to complete the masters within two years and there are options for studying for a certificate or a diploma.

CERTIFICATE COURSES PREVIOUSLY OFFERED INCLUDE:
- Introduction to Conservation Medicine; Ecosystem Health and Species Conservation; Applied Epidemiology and Surveillance for Conservation Medicine

DIPLOMA COURSES PREVIOUSLY OFFERED INCLUDE:
- Veterinary Techniques and Interventions for Conservation Medicine and Wildlife Disease Management. You will also study four option courses from a choice of 15.

MASTERS
The written reflective element of the programme gives you the opportunity to further develop your scientific skills and utilise scientific theory in a written dissertation, a casebook relating to relevant professional experience, a personal portfolio of reflective and practical activity or a short research project.

Career opportunities
You can use your conservation medicine qualification to enhance your career prospects in academia, research, governmental and non-governmental organisations and consultancies.

Residential ‘hands-on’ practical course
You will have the opportunity to participate in a residential course in India, designed to provide the practical skills required to complement your learning. Run in conjunction with colleagues in the Wildlife Institute of India and the Zoological Society of London, this course covers key practical skills including wildlife population monitoring, disease investigation and wild animal restraint and anaesthesia.

Entry requirements
A UK degree or its international equivalent (www.ed.ac.uk/international/graduate-entry) in veterinary medicine.

English language requirements
See page 30.

Fees and funding
See page 30.

Programme Director Anna Meredith
Email conservation.medicine@ed.ac.uk
Programme description
The aim of this programme is to provide knowledge and an understanding of animal welfare science, with a focus on the international issues arising from animal use in all its forms. It is delivered by researchers and teachers from both the Jeanne Marchig International Centre for Animal Welfare Education (within the R(D)S(V)S and Scotland’s Rural College (SRUC)) with a series of guest lecturers from around the world.

This programme is affiliated with the University’s Global Health Academy: www.ed.ac.uk/global/health

Programme structure
The programme is modular, allowing us to offer a flexible, student-centred approach to the choice of courses studied. You may choose to study to Postgraduate Certificate, Postgraduate Diploma or MSc level.

CERTIFICATE COURSES PREVIOUSLY OFFERED INCLUDE:
- International Animal Welfare Science and Animal Ethics
- Policy and Law
- plus an option course.

DIPLOMA COURSES PREVIOUSLY OFFERED INCLUDE:
- Introduction to One Health; Ecosystem Health; One Health Policy; Applied Epidemiology and Surveillance.

DIPLOMA COURSES PREVIOUSLY OFFERED INCLUDE:
- Socioeconomic Principles for One Health; Zoonotic Disease; Zoonotic Diseases in a Global Setting; Emerging Infectious Diseases; Communication and Public Engagement; Conservation of Biodiversity; Introduction to GIS and Spatial Data Analysis; Wildlife Disease Management; Ex situ Wildlife Management; Environmental Law; Ecosystem Resilience and Extreme Events; Water and Sanitation
- Trade and Wildlife Populations; Managing Ecosystems for Human Health and Wellbeing; Captive and Free-ranging Wildlife; Surveillance and Control of Transboundary Diseases Affecting International Trade; Pastoralism and Herd Health; Animal Disease Survey Design and Analysis

MASTERS
You complete a dissertation of 10,000-12,000 words, which can be a research project, an extended systematic review of the literature in a topic of animal welfare science, ethics or law.

Career opportunities
Graduates can use their qualifications to enhance their career prospects in academia, research, governmental and non-governmental organisations and consultancies.

Programme description
One health is a comprehensive approach to the study of the complex interactions between human health, animal health and ecosystem health. The subject domain was largely driven by the threat of global pandemics of disease, in particular highly pathogenic avian influenza and SARS. There was a recognition that the human and animal health challenges faced in this 21st century required a new interdisciplinary approach that included both the natural and social sciences.

This programme utilises the many strengths of the University across multiple disciplines to provide the key training and skills required for a successful career in this emerging field. One health is part of the Global Health Academy (see page 29) and shares option courses with other programmes across the Academy: www.ed.ac.uk/global/health

Programme structure
You may choose to study to Postgraduate Certificate, Postgraduate Diploma or MSc level.

CERTIFICATE COURSES PREVIOUSLY OFFERED INCLUDE:
- Introduction to One Health; Ecosystem Health; One Health Policy; Applied Epidemiology and Surveillance.

DIPLOMA COURSES PREVIOUSLY OFFERED INCLUDE:
- Socioeconomic Principles for One Health; Zoonotic Disease; Zoonotic Diseases in a Global Setting; Emerging Infectious Diseases; Communication and Public Engagement; Conservation of Biodiversity; Introduction to GIS and Spatial Data Analysis; Wildlife Disease Management; Ex situ Wildlife Management; Environmental Law; Ecosystem Resilience and Extreme Events; Water and Sanitation
- Trade and Wildlife Populations; Managing Ecosystems for Human Health and Wellbeing; Captive and Free-ranging Wildlife; Surveillance and Control of Transboundary Diseases Affecting International Trade; Pastoralism and Herd Health; Animal Disease Survey Design and Analysis

MASTERS
The third year consists of a dissertation in which you choose to undertake either a short research project or a literature review.

Career opportunities
A qualification from our programme will enhance your career prospects in academia, research, governmental and non-governmental organisations, international development and the private sector. Despite being a relatively new field, one health is rapidly gaining global recognition and current and past students have already reported improvements in career development through studying on the programme.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in animal science, biology, psychology, zoology or veterinary science. We may also consider your application if you have a degree in social science, ethics or law, or if you are an experienced veterinary nurse; please contact us to check before you apply. You may be admitted to the certificate level or Postgraduate Professional Development (PgProfDev) only in the first instance.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in veterinary medicine, medicine, biology, biological sciences, biomedical science, ecosystem health, environmental sciences, social science, or economics.

English language requirements
See page 30.

Programme description
If you are interested in studying the underlying mechanisms and interactions between human, animal and ecosystem health, this programme is ideal for you. It offers an opportunity to combine theoretical knowledge and practical skills acquired during your own programming, choosing elements that reflect your interests and are directly relevant to your work. You may choose modules from a number of accredited institutions in the UK. You are also encouraged to support your study by undertaking appropriate continuing professional development (CPD) and working closely with a mentor in this relatively new profession.

Programme structure
The certificate can be taken over 10 years, with each module taking one to two years. It is possible to complete the full programme in one year, although this will depend on the assessment timetable for each module. Modules are structured to allow sequential progression. For most candidates the usual route of study is:

• A Foundations of Advanced Veterinary Practice – one year of study.
• B Core skills module – one year of study.
• C advanced skills modules (x4) – two years of study per module allowing time to gather cases etc.

Syllabi available to support your studies are provided online via Blackboard Learn.

Entry requirements
You must:
• be a member of RCVS, or hold a registrable degree;
• have at least one year of postgraduate experience working as a veterinary surgeon; and
• be enrolled with RCVS if intending to take the Certificate in Advanced Veterinary Practice (enrolment valid for 10 years).

You can check the list of recognised international qualifications on the RCVS website: www.rcvs.org.uk

If you graduated after 2007 we recommend that you complete the Professional Development Phase (PDP) before enrolling for any modules.

English language requirements
See page 30.

Career opportunities
For fees see page 30 and for funding information see page 32.

CertAVP Administrator Tel (0131) 650 8149
Email cert.avp@ed.ac.uk

See also...
You may also be interested in online learning programmes offered by other schools within the University, particularly our global health programmes in Edinburgh Medical School, or Next Generation Drug Discovery, which is offered by the School of Biological Sciences.

www.ed.ac.uk/studying/prospectus-request
VETERINARY STUDIES POSTGRADUATE OPPORTUNITIES 2018

Key

FT: Full time
PT: Part time

www.ed.ac.uk/medicine-vet-medicine/pg/914

Veterinary Anaesthesia & Analgesia

MSc up to 6 yrs PT, PgDip up to 4 yrs PT, PgCert up to 2 yrs PT

Programme description

Anaesthesia and analgesia have vital importance within the modern veterinary practice in improving animal welfare and permitting medical and surgical advances. Advances in anaesthesia knowledge, drugs, techniques and equipment, over the last 20 years have been considerable. Anaesthesia has always carried risks and developments in anaesthetic equipment and new drugs and new techniques have the aim of reducing morbidity and mortality in our animals. This programme offers an opportunity to study these advances and gain new knowledge and a new way of thinking about anaesthesia.

Programme structure

Each year will consist of three 11-week terms, comprising two blocks of five weeks each. Each block will take the form of a series of core modules and an option module.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

- Basic Sciences in Anaesthesia and Analgesia
- Anaesthetic Equipment
- Patient Assessment
- Critical Incidents and Cardiopulmonary Resuscitation

You will also choose two options from four species-related courses, which include dogs and cats; equidae; ruminants, camels and pigs; or small mammals.

COURSES PREVIOUSLY OFFERED INCLUDE:

- Choose 60 credits of options:
  - Emergency Care Management
  - Chronic Pain
  - Advanced Analgesic Principles
  - Advanced Cardiovascular Procedures and Monitoring
  - Lung Ventilation and Mechanical Ventilators
  - Reptiles and Birds
  - Ethics in Veterinary Anaesthesia
  - Animal Welfare and Euthanasia

In addition, you may select additional species courses from Year 1.

MASTERS

You will demonstrate scientific skills and theory in a dissertation of 10,000–15,000 words. This may be the form of a research study, analysis of techniques used in previous clinical work or an extended literature review. A casebook or portfolio submission may also be permitted.

Career opportunities

This programme is aimed at vets in practice wishing to extend their knowledge of anaesthesia and perioperative care. This may be desirable for practices wishing to show a wide range of staff expertise and patient support during surgery and other interventions. Graduate veterinary nurses who have a significant role in anaesthesia or science graduates who use anaesthesia in their work will also find the programme useful, as may veterinary surgeons seeking employment in research environments (e.g. named veterinary surgeon) due to the key importance of anaesthesia and the emphasis on this from Home Office regulation of research work in the UK.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in veterinary medicine or veterinary nursing. We will also consider your application if you have a degree in a related science with appropriate practical experience.

English language requirements

See page 30.

Fees and funding

For fees see page 30 and for funding information see page 32.

Programme contact

Elizabeth Wright
Tel +44 (0)131 650 6272
Email e.wright@ed.ac.uk

www.ed.ac.uk/pg/912

Veterinary Epidemiology

MSc up to 6 yrs PT, PgDip up to 4 yrs PT, PgCert up to 2 yrs PT

Programme description

Veterinary epidemiology is a key component in a number of the global grand challenges relating to disease control, food security and climate change. Consequently, there is a need to improve our ability to understand, predict and respond to patterns and dynamics of disease and to control outbreaks. Our partnership with Scotland’s Rural College (SRUC) creates the greatest concentration of research power in veterinary and agricultural sciences in the UK. This MSc draws on that wealth of experience and research activity to provide scientific and professional biological processes (e.g. behaviour, physiology, immunology, ecology) and environmental and farming management practices (e.g. husbandry, nutrition, livestock trade) driving disease transmission, persistence, prevalence and spread in livestock production systems. This enables in-depth understanding of complex environmental patterns of disease, which facilitates prediction of disease risk and control. This multidisciplinary systems approach will provide you with the skills to make significant contributions to tackling food security, climate change and disease control as an animal health professional.

By the end of the programme you will not only have a detailed understanding of the biology driving disease prevalence, but also how the biology scales up from individuals to populations. You will understand how this interacts with agricultural management practices to determine the efficacy of disease control strategies and livestock production (e.g. interdisciplinary systems thinking and communication). Furthermore, the systems approach offers a way to frame disease challenges and problem solve disease risk at a range of scales (e.g. from veterinarians tackling specific outbreaks to the consequences of climate change on disease risk). The programme offers training in methodological skills for the design, implementation, analysis, interpretation and communication of epidemiological studies, disease surveillance and crime control in animal populations and wider host communities. Courses are delivered by active researchers presenting their own research, which is placed into context with global grand challenges. You will be exposed to and taught skills appropriate for developing a research career.

Programme structure

The programme is delivered part time by online learning. You may also take the programme by intermittent study (flexible progression route).

Career opportunities

The programme provides general (e.g. for people in education, government, policy-making, agricultural and veterinary organisations) and topic-specific (e.g. for veterinarians for continuing professional development) training to enable promotion, further employment opportunities or personal fulfilment. It is also suitable if you are considering a career in research, as a precursor to a PhD.

Entry requirements

A UK 2:1 honours degree or its international equivalent (www.ed.ac.uk/international/graduate-entry) in veterinary, biological or physical science. We may also consider your application if you have relevant work experience; please contact us to check before you apply. You may be admitted to certificate level only in the first instance.

English language requirements

See page 30.

Fees and funding

For fees see page 30 and for funding information see page 32.

Programme contact

Angela Harding or Spiridoula Athanasiadou
Tel +44 (0)131 650 7363
Email vetepg@ed.ac.uk

www.ed.ac.uk/international/graduate-entry

For further information, see: www.ed.ac.uk/medicine-vet-medicine/pg/914

Postgraduate professional development

Postgraduate professional development (PgProfDev or PPD) is a way of learning aimed at working professionals who want to advance their knowledge through a postgraduate-level programme, without the time or financial commitment of a full MSc or postgraduate diploma or certificate.

Individual courses on all our online programmes may be taken as credit-bearing PPD. You may take a maximum of 50 credits worth of courses through our PPD scheme. These credits will be recognised in their own right at postgraduate level, or may be put towards gaining a higher award, such as a postgraduate certificate or diploma or an MSc. If you choose intermittent or PPD study then your tuition fees will be charged on a course-by-course basis.

For more information, see: www.ed.ac.uk/medicine-vet-medicine/pg-professional-development
On-campus taught masters and masters by research programmes

Our on-campus programmes are designed to develop knowledge or techniques in specialised subjects that are studied more generally at undergraduate level. They take 12 months to complete and are internationally recognised as providing a world-class research-led teaching and training experience.

Our masters programmes are taught through lectures, tutorials and seminars, as well as practical and laboratory work, and conclude with a dissertation element. Programme tutors are all active international experts in their field, and many guest lecturers travel to R(D)SVS every year to teach and interact with our students.

You will be part of a thriving postgraduate community on the Easter Bush Campus and can participate in a wide variety of academic and non-academic extra-curricular activities to enhance your student experience.

Every programme has an experienced team of programme director, coordinator and administrator, and each student has a personal tutor, so you will be fully supported in all aspects of your student experience.

www.ed.ac.uk/pg/674

Animal Biosciences

MSC 1 yr FT

Programme description
This programme gives graduates the scientific knowledge and practical skills to carry out research in the emerging area of animal science and one health, by providing foundation knowledge about the functioning of the animal body. We explore applications of basic animal sciences to veterinary and human medicine, the livestock industry and food security.

The programme is held in the world-famous Roslin Institute, which is housed in a new, state-of-the-art research building on the Easter Bush campus, next to the R(D)SVS. You will become part of this institute, enjoying our world-class reputation for research and a vibrant, successful academic community.

You will acquire expert scientific knowledge and practical skills in animal sciences, veterinary and human medicine, the livestock industry and food security.

Programme structure
The programme involves courses that are a blend of lectures, guided practical studies and independent research. You will also complete your own dissertation.

COURSES PREVIOUSLY OFFERED INCLUDE:
- Foundations of Animal Science
- Laboratory Tools for the Animal Sciences
- One Health and Comparative Animal Models
- Avian Development and Biology
- Analytical Methods in Animal Biosciences
- One Health, Zoonoses and Emerging Infections

DISSERTATION
You will prepare a research proposal based on your laboratory (or bioinformatics) research project and will carry out this project under the supervision of a member of the Roslin Institute staff.

Career opportunities
This programme develops theoretical knowledge and practical skills, giving graduates a number of potential career development options in academia or industry. We envisage that at least 50 per cent of our graduates will find a PhD placement after this MSC. Our programme has been tailored to fulfil industry demand for in-vivo skills and a wide range of our industrial partners have told us that graduates from this programme will be attractive employees. Recent graduates are now working in scientific, laboratory and research roles for a range of our industrial partners.

The programme over one, two or three years.

www.ed.ac.uk/pg/238

Applied Animal Behaviour & Animal Welfare

MSC 1 yr FT (2 yrs or 3 yrs PT available for UK/EU students)

Programme description
This programme has popular international appeal and is endorsed by many international organisations for its up-to-date understanding and application of the latest animal welfare methods and practices.

We will provide you with an understanding of animal welfare that can be applied in animal research, management, care, production, inspection, assessment and preparation of legislation. In addition to the core teaching team, many guest lecturers travel to Edinburgh each year to teach on the programme, allowing you to benefit from the experience and knowledge of professionals working throughout the animal behaviour and welfare community.

Our students benefit from the expertise of organisations such as the RSPCA, Dogs Trust and Humane Slaughter Association.

Programme structure
The programme consists of a taught element made up of five courses followed by a dissertation project. Throughout the taught courses, you will take part in many visits to farms and animal facilities. You can complete the programme over one, two or three years.

COURSES PREVIOUSLY OFFERED INCLUDE:
- Introduction to Applied Animal Behaviour and Animal Welfare
- Biology of Suffering
- Animal Welfare Applications
- Animal Welfare Methodology
- Scientific Methodology
- Animal Welfare Applications

DISSERTATION
From March until August you will work on a research project. This can be on a topic of your choice or alternatively there are a number of pre-prepared project ideas that you can choose from.

Career opportunities
Graduates move on to a variety of jobs such as research technicians, scientific advisors and lecturers. Many will also continue their study and enrol in a PhD. Other than research, recent graduates are now working as animal carers, trainers, agriculture officers and veterinary inspectors and in welfare and behaviour roles for organisations such as the SPCA, Humane Society of the United States, Florida Conservation Corps, Compassion in World Farming, The Brooke, and World Animal Protection.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in animal science, biology, psychology, zoology or veterinary science.

English language requirements
See page 30.

Fees and funding
For fees see page 30 and for funding information see page 32.

Programme Director Tamsin Coombs
Email animal.behaviour@ed.ac.uk

“Studying in a large institution provides the opportunity to meet with different people from different countries and provides an ideal environment to interact and share knowledge.”

Olayinka Abejide, MSC Animal Biosciences
Programme description

The Professional Doctorate in Veterinary Medicine will provide an opportunity for qualified veterinary surgeons to undertake a period of advanced clinical training in a chosen specialty under the guidance and supervision of the Royal College of Veterinary Surgeons and European/American veterinary specialists. The programme will consolidate and enhance evidence-based knowledge, skills, abilities and attitudes to enable independent practice to the standard of a recognised specialist in the chosen discipline. Additionally, it will provide you with training in and experience of research. You will be required to produce a dissertation, defend it at viva examination, and present and publish your findings. The programme will provide training and experience of teaching, as well as access to option courses in specialty relevant areas.

Programme structure

In Year 1, you will spend the first semester at Università di Torino and cover basic immunology, vaccinology, drug development and host-pathogen interactions. The second semester will be spent at Universitat Autònoma de Barcelona and deals with epidemiology, zoonoses, biosafety and biosecurity. In Year 2, you will spend the first semester studying here in Edinburgh, covering animal models for infectious and non-infectious diseases, laboratory techniques and analytical methods. During the second semester you will complete your research internship at one of our partner or associate partner organisations worldwide.

Career opportunities

Graduates will have a wide range of skills in the area of infectious disease biology, interactions between disease, environment and host, modern animal science, and laboratory techniques. You will also have valuable generic skills such as producing and presenting scientific material, communicating with people from a wide range of cultures, hypothesising development and testing. This will be a unique basis for career advancement/specialism within your clinical setting, as well as following research and/or teaching roles should you choose.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in biological, veterinary, medical, or pharmaceutical sciences.

English language requirements

See page 30.

Fees and funding

For fees see page 30 and for funding information see page 32.

Programme Director

Richard Reardon
Email: richard.reardon@ed.ac.uk

For fees see page 30 and for funding information see page 32.

Programme Director

Fiona Houston
Email: fiona.houston@roslin.ed.ac.uk

See also...

You may also be interested in masters programmes offered by other schools within the University, particularly Edinburgh Medical School, the School of Biological Sciences, the School of Chemistry, the School of Health in Social Science and the School of Social & Political Science.

www.ed.ac.uk/studying/prospectus-request
A world-class research experience

We’re the UK’s top ranked veterinary school for research. Our Easter Bush campus is home to both the world-renowned Royal (Dick) School of Veterinary Studies and the world-famous Roslin Institute, which is the research arm of the School.

The Easter Bush site was redeveloped in 2011 providing both R(D)SVS and the Roslin Institute with new and improved buildings that not only provide cutting-edge environments for teaching and research, but also benefit from close proximity to veterinary hospitals and practices.

Research carried out at the Roslin Institute seeks to tackle some of the most pressing issues in animal health and welfare and their implications for human health. The Institute’s researchers investigate the health and welfare of animals and application of basic animal sciences in human and veterinary medicine, the livestock industry and food security.

Research within the School is organised into six divisions:

**Division of Clinical Veterinary Sciences**
Research in the Division of Clinical Veterinary Sciences aims to enhance understanding of disease processes in animals and to translate that understanding into improved therapies for both animal and human disease. Research focuses on the health and welfare of domestic animal species including both companion animals and livestock, and aims to provide solutions to the global challenges in human and veterinary medicine. Wildlife and conservation medicine is also included as one of the key initiatives in the School’s strategic research plan.

**Division of Developmental Biology**
Research in the Division of Developmental Biology aims to enhance fundamental knowledge of the control of cellular growth and differentiation. Research focuses on animal biotechnology and stem cells, tissue and organ development, and disease and repair, with the aim of developing better disease intervention strategies and enhancing food security.

**Division of Genetics and Genomics**
Research in the Division of Genetics and Genomics aims to advance understanding of complex animal systems and the development of improved predictive models. We achieve this through the application of numerical and computational approaches in the analysis, interpretation, modelling and prediction of complex animal systems, from the level of DNA and other molecules, through cellular and gene networks, tissues and organs to whole organisms and interacting populations of organisms.

**Division of Infection and Immunity**
Research in the Division of Infection and Immunity aims to enhance understanding of the mechanisms by which pathogens cause disease and the host defends itself, with the overall aim of translating this understanding into prevention and treatment. Our research programmes investigate a wide range of host/pathogen interactions, including infections with viruses, bacteria, parasites and spongiform encephalopathies in farmed animals, humans and model systems. We have strong programmes examining pathogen variation, the host immune response, genetic resistance to disease and epidemiology of disease.

**Division of Neurobiology**
The Neurobiology Division conducts research in the fields of neurobiology and neuropathology. Research focuses on understanding the mechanisms that regulate normal brain function as well as the causes and consequences of dysfunction during ageing and in acute or chronic neurodegenerative disease.

**Veterinary Medical Education Division**
The Veterinary Medical Education Division is the organisational hub for the learning and teaching community at the R(D)SVS, coordinating staff development and carrying out educational research within veterinary education and collaborating across disciplines within the University. Staff in the division conduct research in many areas of learning, teaching and assessment and collaborate on several national and international projects.

**Networking Opportunities**

**Edinburgh Infectious Diseases**
Edinburgh Infectious Diseases is the organisational hub for an extensive community of infectious disease scientists working across different campuses in the city. This is a large and diverse group with 550 research workers and graduate students and more than 70 principal investigators. Edinburgh Infectious Diseases organises specialist workshops bringing together scientists from across the University, supports seminars and facilitates interactions and interdisciplinary research.

**Edinburgh Neuroscience**
Edinburgh Neuroscience is a vibrant, integrated and interdisciplinary research institute launched to facilitate interaction between researchers across groups, centres, schools and colleges, working at all levels of neuroscience, from molecules through synapses and networks to cognition and behaviour.
Research opportunities

All of our research areas are available to study at PhD and MSc by Research level.

A master of science by research (MSc by Research) gives you an excellent grounding in research, and can serve as a stepping stone to a PhD. These programmes involve research training and a research project. They take one year to complete and are examined by thesis.

A PhD (doctor of philosophy) is a research programme entailing research training and supervised research, either on an individual basis, or as part of a team. The aim of the PhD is to provide a thorough training in a particular academic area, through original investigation and experimentation. A PhD typically takes three years to complete and is assessed by thesis.

The following list of research areas offered by the School is non-exhaustive. Potential applicants should get in touch with the contacts listed under the relevant area to informally discuss their proposed project before applying.

BBSRC EASTBIO Doctoral Training Partnership Shaping bioscience research training in the east of Scotland

EASTBIO DTP provides world-class bioscience doctoral training in four areas of strategic priority: basic bioscience underpinning health (ageing); bioenergy and industrial biotechnology; food security; and world-class bioscience. We offer an excellent programme of collaborative training for PhD students in Aberdeen, Dundee, Edinburgh and St Andrews, at four of the UK’s leading research intensive universities. For more information see: www.eastscotbiodtp.ac.uk

Entry requirements
You should have an undergraduate degree in veterinary medicine or medicine, or a UK 2:1 honours degree or its international equivalent (www.ed.ac.uk/international/graduate-entry) in an appropriate subject. Please check the specific entry requirements for your programme online before applying.

Career opportunities
Most of our research students progress to postdoctoral posts at universities and research institutes internationally. Others have moved on to roles including scientific adviser, geneticist and virologist or have commenced careers in academia.
Infection & Immunity

PHD 3 yrs FT (6 yrs PT available for UK/EU students)
MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

Research profile
Research on infection and immunity aims to enhance understanding of the mechanisms of host defence against infection, and translate this understanding into prevention and treatment. The research programmes include a wide range of activities including studies of host/pathogen interactions (including work on viruses, bacteria, parasites and prion superoxide dismutase gene), the immune systems of animals and how they respond to pathogen challenges, genetic resistance to disease and epidemiology of disease. These activities are underpinned by major programmes in animal genomics and bioinformatics.

English language requirements
See page 30.

Fees and funding
For fees see page 30 and for funding information see page 32.

Contact
Postgraduate Secretary
Email vetpgresearch@ed.ac.uk

Neurobiology

PHD 3 yrs FT (6 yrs PT available for UK/EU students)
MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

Research profile
The neurobiology division conducts research in the fields of neurobiology and neuropathology. Our researchers investigate mechanisms that regulate normal brain function as well as the causes and consequences of dysfunction during ageing and in acute or chronic neurodegenerative disease. Our programme of research uses a wide spectrum of approaches, from the molecular to the whole animal. We address how multiple systems interact (including work on viruses, bacteria, parasites and prion disease) to understand mechanisms of neurodegeneration associated with both normal brain function as well as the causes and consequences of dysfunction during ageing and in acute or chronic neurodegenerative disease.

Some of our current research focuses on:
- identifying mechanisms of prion disease transmissibility associated with both chronic and acute neurodegenerative disease using unique disease models;
- understanding the long-term consequences of adverse experiences in early life on future health;
- identifying novel mechanisms regulating homeostasis and responses to stress in neuronal networks.

Research on infection and immunity aims to enhance understanding of the mechanisms of host defence against infection, and translate this understanding into prevention and treatment. The research programmes include a wide range of activities including studies of host/pathogen interactions (including work on viruses, bacteria, parasites and prion disease) to understand mechanisms of neurodegeneration associated with both normal brain function as well as the causes and consequences of dysfunction during ageing and in acute or chronic neurodegenerative disease.

English language requirements
See page 30.

Fees and funding
For fees see page 30 and for funding information see page 32.

Contact
Postgraduate Secretary
Email vetpgresearch@ed.ac.uk

Case study: Edinburgh’s research with impact

Dolly the Sheep – the first cloned adult mammal

In 1996, Professor Sir Ian Wilmut (Inaugural Director of the MRC Centre for Regenerative Medicine and Professor at the College of Medicine & Veterinary Medicine at the University of Edinburgh), and his colleagues, made world headlines with the birth of Dolly the sheep, the first mammal to be cloned using adult somatic cells. Since then, the team at the Centre has continued to lead the way in cloning research.

Project background
The team’s success with Dolly followed its improvements to the single cell nuclear transfer (SCNT) technique used in the cloning process. SCNT cloning is the only technology available that enables generation of 99.8 per cent genetically identical offspring from selected individuals of adult animals (including sterilized animals). As such, it is an efficient multiplication tool to support specific breeding strategies of farm animals with exceptionally high genetic value. The work of the team at the Centre has focused on developing this highly sophisticated technology and increasing the range of possible applications.

Project results
Dolly subsequently became a global scientific icon, and SCNT technology created by the University’s researchers has spread around the world. It has been widely adopted and used to create clones of other animals, such as livestock, which could provide the world with more food and other animal products by enabling the growth of large quantities of the most productive, disease-resistant animals. It has also been used to conserve several animal breeds: for example, in 2012 an increasingly rare Himalayan pashmina goat breed was successfully cloned as part of the National Agricultural Innovation Project of the Indian Council of Agricultural Research. With more than 10 million people reliant on the 585 million shawl industry, served by the availability of the exceptionally fine wool produced by these rare animals, the value of a successful cloning programme is evident.

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See also...
You may also be interested in research opportunities offered by other schools within the University, particularly Edinburgh Medical School, the School of Biological Sciences, the School of Chemistry, the School of Health in Social Science and the School of Social & Political Science.

See more online: www.ed.ac.uk/research/impact
About the Royal (Dick) School of Veterinary Studies

The Royal (Dick) School of Veterinary Studies at the University of Edinburgh was founded in 1823 and has an international reputation for excellence in teaching, research and clinical service.

We were ranked 8th in the world for Veterinary Science in the QS World University Rankings 2017 and in the most recent Research Excellence Framework (REF) 2014 were ranked first in the UK for Veterinary Research.

Postgraduate Experience

Located at the Easter Bush Campus (see page 34), we offer you the opportunity to study at a dynamic modern campus with world-class facilities, including state-of-the-art lecture theatres and laboratories. The campus includes large and small animal hospitals and offers access to the latest imaging technologies. It has excellent cafeterias and a gym and is situated in beautiful surroundings on the outskirts of Edinburgh.

As part of the University of Edinburgh College of Medicine & Veterinary Medicine, we interact closely with our colleagues in the Edinburgh Medical School as well as the School of Biological Sciences in the College of Science & Engineering. This offers you access to a vast array of expertise and technologies. We also share laboratory space at Easter Bush with Scotland’s Rural College providing additional excellent opportunities for collaboration across the land-based industries and farming sector.

The Roslin Institute

The Roslin Institute joined the University of Edinburgh in 2009 and is the research arm of the R(D)SVS. The Roslin Institute is a world leading institute for animal bioscience. In 2011, it moved to a new building at Easter Bush Campus with state-of-the-art facilities for carrying out world class research.

Breadth and diversity

We offer a wide range of taught postgraduate programmes, both on campus and by online learning, incorporating continuing professional development for vets and scientists. Our research is focused under six themes:

- developmental biology
- infection and immunity
- genetics and genomics
- neurobiology
- clinical veterinary sciences
- veterinary medical education.

Global influence

Edinburgh veterinary practitioners took the Edinburgh model around the world with unprecedented success. William Dick was an outstanding practitioner who made great strides in establishing veterinary education in Scotland. Besides establishing the Vet School in 1823, he was appointed Veterinary Surgeon in Scotland to Queen Victoria in 1844.

Our more recent history includes the creation of Dolly the sheep – the world’s first animal to be cloned from an adult somatic cell – by the team of scientists led by Professor Sir Ian Wilmut.

Today, R(D)SVS postgraduate students from all over the world study on campus and online. Our students and alumni form an active global network who continue to interact throughout their careers.

Our ethos

Interdisciplinary research and high-quality teaching are at the heart of our ethos.

Clinical and basic scientists in both the R(D)SVS and the Roslin Institute work closely together, linking basic and translational research goals. This allows us to offer you an outstanding educational experience with a wide range of interdisciplinary opportunities and learning outcomes.

Our association with the Edinburgh Medical School and the School of Biological Sciences provides further opportunities for collaboration and interaction. We aim to provide you with all the support and training you require to enhance your career and allow you to reach your full potential.
Graduate School

Our Graduate School provides an interdisciplinary, College-wide support network for all postgraduate students and staff. It is home to more than 3,100 postgraduate students studying within the R(D)SVS and Edinburgh Medical School.

The Graduate School supports and fosters the best possible learning and research environment, working in partnership with our two schools and the University’s central services to ensure your postgraduate student experience is world-class. It promotes the sharing of good practice across all teaching and research platforms, and aims to ensure that whether you study on campus or online, your academic and pastoral needs are appropriately provided for.

The Graduate School hosts a number of events including the open day and online chat sessions for prospective students, welcome events, and our round of the international Three Minute Thesis competition.

Graduate School Hub at R(D)SVS

While studying at the R(D)SVS you will be supported by a team of administrators based in the Postgraduate Hub in the vet school building and in the Roslin Institute.

Our four MSc administrators are the first point of contact for all taught postgraduate students and staff. The administrators work as a team with two staff supporting online learning programmes and two staff supporting on-campus programmes. As well as dealing with all aspects of programme administration, they are the front line student support officers for any queries or issues, with the knowledge and experience to direct you to the appropriate resource for additional support.

Our postgraduate research administrators are based in the Roslin Institute building. They provide support for our MSc by Research and PhD students and staff and for the clinical scholars programme. We also have a Continuing Professional Development (CPD) administrator who supports the delivery of online and on-site CPD courses, including the Certificate in Advanced Veterinary Practice.

Community

We aim to foster a close community of postgraduate students.

Our on-campus students are members of the Easter Bush Postgraduate Student Society, which brings together postgraduate researchers, taught masters students and veterinary clinical scholars for social and academic activities. If you study on campus as a masters student, you will work closely with your classmates through tutorials, lectures and seminars, becoming part of a close-knit group over the duration of your programme.

However, distance is no barrier if you choose to study online. Our online learning postgraduates are a diverse group of students from all over the world, united by their academic interests. Using our award-winning interactive learning environments, our online students and tutors maintain a supportive virtual community that ensures you get the best from your studies. If you can’t attend your graduation ceremony in person you can even enjoy a virtual graduation at the same time.

We encourage our research students to interact and get to know each other through a series of induction activities in the School and through the Postgraduate Society. There is a wide range of seminar series, and team-building and development exercises are available through the Institute for Academic Development. You are encouraged to interact with the wider University postgraduate community through cross-school networks such as Edinburgh Infectious Diseases, Edinburgh Neuroscience and the Edinburgh Immunology Group and by participating in the University-wide Three Minute Thesis competition. You are also encouraged to take part in public engagement events organised by the Roslin Institute and the R(D)SVS and to actively communicate about your science outside the University.

Networking spaces are vital in the fostering of a strong community and we are fortunate within the School to have excellent communal spaces for this purpose at the Easter Bush campus.

Joining professional societies can also be beneficial to your postgraduate training and allows you membership of a wider academic community. In many cases societies offer travel grants for students, and membership usually entitles reduced or waived registration fees to society meetings.

You will also have access to all the support services available across the wider University, including the Careers Service, International Office, Edinburgh University Students’ Association, the independent Advice Place and the Student Counselling Service.

More information:
www.ed.ac.uk/students/student-services
Research and teaching environment

Each year, we support the training of more than 200 research students and around 800 students undertaking taught programmes on campus or online.

The majority of our research students are based in the Roslin Institute, which is the research arm of the R(D)SVS. The Roslin Institute’s vision brings together a coordinated commitment to research and research training, providing an excellent environment for our research students.

More than 90 principal investigators are involved in research programmes aimed at improving the health and welfare of animals and humans, protecting the environment and supporting safer and more secure food supplies and more resilient rural communities. Our research focuses on food and environmental security and one biology/one health, two of the greatest challenges facing humanity.

If you are undertaking a taught programme you will benefit from interactions with research active staff who will expose you to the latest research and ideas.

We also provide opportunities for qualified veterinary surgeons to undertake advanced clinical training in a range of specialist disciplines under the guidance and supervision of the Royal College of Veterinary Surgeons, and European and American veterinary specialists, and to gain experience in research along with full-time research teams.

Whether you’re undertaking specialist research training or a masters dissertation, we offer a wealth of interdisciplinary opportunities.

More information about research in the Roslin Institute can be found online at: www.roslin.ed.ac.uk

Facilities

We cater for a wide range of disciplines with extensive facilities and critical investment in order to create the perfect environment for discovery.

Our Easter Bush Campus has two lecture theatres capable of holding 200 students and a 300-seater auditorium for seminars and conferences, along with more than 20 rooms for tutorials and meetings. IT support is located on site and there is access to excellent computing facilities. Our dedicated on-site e-learning team provides full support for all our online learning students.

The Roslin Institute houses laboratories with state-of-the-art equipment, an imaging suite and the sequencing facilities for Edinburgh Genomics. The Easter Bush Campus has facilities for large and small animal imaging, diagnostic and pathology services and is home to the National Avian Research facility (NARF), which houses both inbred and transgenic bird lines. There are also on-site facilities for the development of both large and small transgenic animals and for research on infectious diseases of livestock and small animals.

Collections of the University

The University of Edinburgh has one of the world’s great collections, which has been growing ever since its foundation in 1583. Our collections include rare books, archives and manuscripts, art, historical musical instruments and a wide range of museum objects from geological specimens to anatomical models. If laid out end to end, we would have almost 60 kilometres of shelving and storage space devoted to our heritage material, from 1st-century Greek papyrus fragments to new works of sculpture. This is curated by specialist staff across 45 sites and used for our teaching and research and by the wider public community.

The Centre for Research Collections in the Main Library is the hub for all our collections, where specialist curators make them available for study, research and pleasure. Postgraduate students are welcome to study original objects and have made many important research discoveries while working on the archives. You will find an incredible range of material in our collections that is available nowhere else in the world.
Employability and graduate attributes

The University is here to support you in the successful completion of your postgraduate training and to prepare you for your career. We provide information and advice on how to plan your career and develop the skills you will need now and in the future.

Throughout your postgraduate studies we support you with advice and training on effective study, exams and assignments, numeracy and data analysis, specific postgraduate writing skills and finding and using academic sources. We offer learning opportunities to develop your information and IT skills, for personal development and to help you work, study and research more effectively.

We run a series of workshops for taught masters students, specifically: Masters Study Skills; Critical Reading; Essay Planning and Writing. Our research students can develop their planning skills, professional development, communication and IT skills through a wide range of courses developed specifically with the medical and veterinary medicine sectors in mind.

Institute for Academic Development

All postgraduate students can benefit from our Institute for Academic Development (IAD), which provides information, events and courses to develop the skills you will need throughout your studies and in the future. IAD events also offer the perfect opportunity to meet and network with other postgraduate students from across the University.

Further information is available online: www.ed.ac.uk/iad/postgraduates

For taught postgraduates, IAD provides a popular study-related and transferable skills support programme. It is designed to help you set into postgraduate life, succeed during your studies and move confidently to the next stage of your career. We offer on-campus and online workshops and one-to-one study skills consultations, plus online advice and learning materials. Workshops and learning resources cover key topics tailored to different academic stages, including getting started with your studies; critical reading, writing and thinking; managing your exams; and planning for and writing up your dissertation.

IAD also provides a comprehensive programme of transferable skills training, resources and support for researchers preparing to complete a doctorate. The workshop programme is designed to help you successfully prepare for the various milestones of your PhD, from getting started with your research, to writing up and preparing for the viva. Workshops cover topics such as writing skills, reference management tools, statistics, preparing for conferences, delivering presentations, time and project management, and personal development. IAD also offers online resources and planning tools to help get your research started, plus support for tutoring and demonstrating, and research public engagement and communication.

Careers Service

Our Careers Service plays an essential part in your wider student experience at the University, offering a range of tailored careers and personal development guidance and support. We support you to recognise the wealth of possibilities ahead, while at university and after graduation, helping you explore new avenues, tap into your talents and build your employability with confidence and enthusiasm.

We provide specialist support for postgraduate students. From exploring career options to making decisions, from CV writing to interview practice, from Employ. ed internships to graduate posts and from careers fairs to postgraduate alumni events, we help you prepare for the future.

We sustain and continually develop links with employers from all industries and employment sectors, from the world’s top recruiters to small enterprises based here in Edinburgh. Our employer team provides a programme of opportunities for you to meet employers on campus and virtually, and advertises a wide range of part-time and graduate jobs.

More information: www.ed.ac.uk/careers/postgrad

Connect.ed

Edinburgh encourages its alumni to stay in touch with current students who share an academic background or are interested in a similar career path. Connect.ed is a networking system run by the Careers Service that provides an informal and confidential opportunity for alumni to share their occupational knowledge and experience with current students, who can contact them for advice and guidance on their future career.

More information: www.ed.ac.uk/careers/connected

Backing bright ideas

LAUNCH.ed is the University’s award-winning programme for student entrepreneurs. Each year, LAUNCH.ed works with hundreds of students to assess their ideas and develop their business skills and helps many start their businesses. We have helped Edinburgh students and alumni launch almost 100 new businesses in the last three years, ranging from language tuition to robotics companies.

More information: www.LAUNCH.ed.ac.uk

Global academies

Global Health Academy

The University’s Global Health Academy draws on a wide range of expertise, crossing all boundaries in global health. Because global health is not one single discipline, but multiple disciplines cutting across traditional institutional functions and boundaries, the University has brought together world-class research drawn from numerous academic areas in order to deliver a greater impact. For example, public health and clinical physicians work closely with our leading anthropologists, biomedical scientists, epidemiologists, geographers, health economists, management specialists, mathematicians, political scientists and sociologists.

The umbrella of the Global Health Academy also extends outwards to specialists across the globe who wish to lend their expertise to our training, teaching or research for shorter or longer periods.

More information: www.ed.ac.uk/global-health

Global Academy of Agriculture & Food Security

Improving the effectiveness and sustainability of food systems is vital to tackling the challenges of global population growth, rapid urbanisation, food and environmental security, diet and health. These challenges occur in low and middle-income countries, as well as industrialised nations.

The University’s new Global Academy of Agriculture & Food Security aims to provide world领先的 research, innovation, education, and training and consultancy in support of global food and environmental security, sustainable rural development, and animal and human wellbeing.

The University’s investment of around £35 million for this new academy will help us achieve our vision of sustainable development in global agriculture and rural land-based and aquatic economies.

More information: www.ed.ac.uk/global-agriculture-food-security

Eurolife postgraduate student exchange visits

The College of Medicine & Veterinary Medicine is a member of the Eurolife consortium, which comprises eight European, research-led, life sciences universities. Established in 1999, Eurolife promotes transnational interactions via research collaboration, postgraduate programmes and student mobility programmes. Eurolife offers you the opportunity to undertake learning and/or research in another leading European university, while gaining new contacts, skills and experience.

The eight Eurolife universities are:

- The University of Edinburgh, College of Medicine & Veterinary Medicine
- Karolinska Institute, Sweden
- School of Medicine, Trinity College, Dublin, Ireland
- Leiden University Medical Center, Netherlands
- University Medical Center, Utrecht, Germany
- University of Barcelona, Spain
- Medical University of Innsbruck, Austria
- University of Strasbourg, France

*This institution does not offer its tuition in English.

Typically, Eurolife student exchange visits are for up to six months, to undertake masters-level course modules and/or a research project. Normally each institution will accept exchange visits by up to two students from each partner institution per academic year. Eurolife student exchange visits do not incur tuition fees. Students intending to undertake an exchange visit should contact the College Research Officer by email: mvmresearch@ed.ac.uk, at least seven months in advance of a proposed visit start date, to discuss submitting an application.

More information: www.ed.ac.uk/medicine-vet-medicine/eurolife

Global Health Academy

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More information: www.ed.ac.uk/global-agriculture-food-security

The University of Edinburgh

Vice-Chancellor’s Postgraduate Opportunities 2018
Applications and fees

We have an online application process for all postgraduate programmes. It’s a straightforward system with full instructions, including details of supporting documentation you need to submit.

When applying, you will set up an account, which lets you save your application if you wish to continue and submit your application at another time. Full guidance on our application system is available at: www.ed.ac.uk/postgraduate/applying.

General requirements

Our usual minimum entrance requirement for postgraduate study is a UK undergraduate 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in a subject related to your chosen programme. You will also need to meet the University’s language requirements (see below).

Entry requirements for individual programmes can vary, so check the details for the specific programme you wish to apply for.

References

For applications to taught programmes, the normal requirement is one referee; although an additional reference may be requested in individual cases. For applications to research programmes, two references are required. You should check the entry online for exact requirements for your intended programme of study. For general guidance on references, visit: www.ed.ac.uk/postgraduate/references.

Deadlines

Online and on-campus taught programmes

The deadline for online learning programmes is usually late August but varies from programme to programme. The deadline for on-campus taught masters is 1 August. Programmes with especially high competition for places may have earlier closing dates. Please check online for details.

Research programmes

For many research programmes, you can start at any time of year – check with the particular programme for further information on start dates. College studentships are usually advertised in November, with a January or February deadline, for programmes that will start the following September.

English language requirements

Students whose first language is not English must show evidence of one of the qualifications listed below.

Veterinary Advanced Clinical Training Programme

- IELTS Academic: total 7.0 (at least 6.5 in each module).
- TOEFL-iBT: total 100 (at least 23 in each module).
- PTE(A): total 67 (at least 61 in each of the Communicative Skills sections; the Enabling Skills sections are not considered).
- CAE and CPE: total 176 (at least 169 in each module).
- Trinity ISE: ISE II (with distinctions in all four components).

Please note:

- English language requirements can be affected by government policy so please ensure you visit our degree finder to check the latest requirements for your programme: www.ed.ac.uk/postgraduate/degrees.
- Your English language certificate must be no more than two years old at the beginning of your programme.
- We also accept recent degree-level English language testing. For the most up-to-date information, please visit our online language testing.

RCVS Certificate in Advanced Veterinary Practice (online learning)

Candidates who are European graduates do not have to take an IELTS test for the RCVS. For those graduating outside Europe, the RCVS expects language skills to an overall IELTS score of 7 before the candidate can sit the membership exam. The University provides and assesses modules for candidates to complete towards the certificate on behalf of the RCVS but does not accredit these modules towards a final degree award. Consequently, the University does not set a minimum language requirement for entry. Although it is not essential that you have evidence of your level of English when applying, we would strongly recommend that you are confident in your level of written and spoken English to ensure that you gain the greatest benefit from taking part in the certificate.

Abbreviations: IELTS – International English Language Testing System; TOEFL-iBT – Test of English as a Foreign Language Internet-Based test; PTE(A) – Pearson Test of English (Academic); CAE – Certificate of Proficiency in English; CPE – Certificate in Advanced English; Trinity ISE – Integrated Skills in English.

www.ed.ac.uk/english-requirements/pg

Tuition fees

The following table provides an overview of indicative fee levels for programmes commencing in 2018.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Full-time Annual Fee</th>
<th>Part-time Annual Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc Animal Biosciences 3-year FT</td>
<td>£12,200</td>
<td></td>
</tr>
<tr>
<td>MSc Applied Animal Behaviour &amp; Animal Welfare 3-year FT</td>
<td>£9,600</td>
<td></td>
</tr>
<tr>
<td>MSc by Research/MVetSci by Research FT</td>
<td>£7,000</td>
<td></td>
</tr>
<tr>
<td>PhD 3-years FT</td>
<td>£4,195*</td>
<td></td>
</tr>
<tr>
<td>PhD 6-years FT</td>
<td>£2,698*</td>
<td></td>
</tr>
</tbody>
</table>

Online Learning

60 credits Annual fee

IELTS: £4,000

Intermediate study is charged pro rata on a course-by-course basis.

For international students

Annual fee

MSc Animal Biosciences £28,000

MSc Applied Animal Behaviour & Animal Welfare 3-year FT £18,700

MSc by Research/MVetSci by Research FT £25,100

PhD 3-years FT £21,000

* Figure shown is the 2017/18 fee level. All other fees quoted are indicative of 2018/19 fee levels. Because these figures are indicative, it is important you check online before you apply and check the up-to-date fee level that will apply to your specific programme: www.ed.ac.uk/student-funding/tuition-fees/postgraduate.
I chose Edinburgh because of its complete package. The University allows me to pursue my passion with cutting-edge equipment and facilities, with some of the brightest minds in their field, all within this amazing and beautiful city.

Jason Weiss, PhD Molecular and Clinical Medicine, Edinburgh Global Research Scholarship
The College of Medicine & Veterinary Medicine is based at four sites throughout the city of Edinburgh. Many of our teaching and research facilities are located side by side with clinical practice.

**Easter Bush**
The majority of our on-campus students are based at Easter Bush.
- 01 Riddell-Swan Veterinary Cancer Centre
- 02 Hospital for Small Animals
- 03 Royal (Dick) School of Veterinary Studies – Teaching Building
- 04 Campus Service Centre
- 05 Roslin Institute Building
- 06 Sir Alexander Robertson Building
- 07 Farm Animal Practice and Equine Clinical Unit
- 08 Equine Hospital
- 09 Farm Animal Hospital
- 10 Scintigraphy and Exotic Animal Unit

**Western General**
- 01 Biomedical Research Facility
- 02 CID Surveillance Unit
- 03 Welcome Trust Clinical Research Facility
- 04 Outpatients Department; Medical Education Centre
- 05 IGMM Complex
- 06 Breakthrough Research Unit
- 07 Clock Tower Building
- 08 Library
- 09 Old Metabolic Clinic/Diabetic Clinic
- 10 Bramwell Dott Building
- 11 Department of Clinical Neurosis: wards
- 12 Department of Clinical Neurosis: research; MRI unit
- 13 Department of Clinical Neurosis

**Little France**
- 01 Queen's Medical Research Institute
- 02 Clinical Research Imaging Centre
- 03 Chancellor's Building
- 04 The Royal Infirmary of Edinburgh
- 05 Anne Rowling Neurology Clinic
- 06 Scottish Centre for Regenerative Medicine

Parking
- Disabled permit parking
- Public bus

We are here!

Detailed maps can be found at: [www.ed.ac.uk/maps](http://www.ed.ac.uk/maps)
Get in touch

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Visit us
Our Postgraduate Open Day is your opportunity to come and meet current staff and students. Our next campus-based Open Day takes place on 15 November 2017. For more information, visit: www.ed.ac.uk/postgraduate-open-day

Our visits to you
If you are unable to visit the University, we attend events throughout the year so you can meet and speak to us in person.

UK and Europe: www.ed.ac.uk/postgraduate/uk-eu-events
International: www.ed.ac.uk/international/our-visits-overseas

Chat online
We offer all postgraduate students monthly online information sessions. To find out more and see when the next session will be: www.ed.ac.uk/postgraduate/online-events

For international students, Edinburgh Global runs two online chat sessions each month. These are timed to give students in all timezones a chance to get involved. You can find out more and register online: www.ed.ac.uk/international/chat-to-us-online

“...such an opportunity you will never again have.”
Thomas Jefferson, American Founding Father and President (speaking to his son-in-law, Thomas Mann Randolph, as he began his studies at Edinburgh in 1786)
Illustration by:
Katy Wiedemann, MA Illustration

The front cover shows an illustration of an MRI scan of a dog. Facilities at Edinburgh include the very latest in state-of-the-art imaging, with a specific veterinary imaging suite on the Easter Bush campus, fully equipped for both large and small animals. The illustration highlights the world-leading and life-changing imaging facilities available for our research community.

#drawntoedinburgh

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On 23 June 2016 the UK electorate voted in a national referendum to leave the European Union. At the time of going to print, there was no immediate, material change known that would impact on applicants for 2018 entry. However we recommend that you check online for the latest information before you apply: www.ed.ac.uk/news/eu

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