

Veterinary Medicine

42 *BVetMed*

47 *BSc/BVetMed Combined Programme*

50 *BVetMed Accelerated Programme*

Did you know?

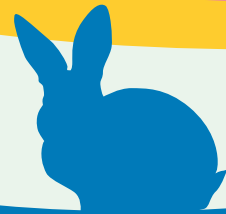
The first woman to hold the MRCVS diploma was Aileen Cust, who took a revision course at the RVC in 1922 after being refused to sit her final exam at another vet school.





Did you know?
The RVC is the UK's largest and only independent Veterinary School.

Did you know?
The words "Venienti occurrite morbo" on the RVC crest were written by a Roman poet called Persius and translate roughly to "confront disease at its onset".



This exciting curriculum is inspired by education research findings from the RVC's LIVE Centre. We have taken a fresh look at how we can bring together technological change, clinical and scientific progress and stimulating teaching and learning methods. The result is a truly unique veterinary degree.

You will gain a thorough understanding of the science underpinning veterinary practice and develop vital problem-solving, communication and team-working skills. In the busy RVC hospitals, you will gain the broadest possible practical experience, and during your elective studies you will get all the help you need to delve into specialist subjects and complete a rewarding research project.

Programme Content

We provide an innovative curriculum that meets all the requirements laid down by the Royal College of Veterinary Surgeons, the American Veterinary Medical Association, and the Veterinary Directives of the European Union.

This comprehensive programme will help you acquire:

- an understanding of the basic biological principles of normal body function and disease
- the ability to distinguish the pathological from the normal
- the ability to prevent disease and safely manage the processes of animal production
- the expertise to diagnose and treat disease and alleviate suffering
- the professional skills you need to work and communicate effectively with your colleagues and the public.

Basic Science

Your first two years will be spent mainly at our London Campus, with visits to Hertfordshire for lectures and practicals in animal health and handling. You will study the healthy animal in its normal environment and acquire basic skills in handling and examining horses, farm animals and companion animals. The basic veterinary sciences are taught in an integrated manner on a body systems basis, with the clinical relevance of the sciences highlighted at every stage.

Learning takes place in a variety of formats, including lectures, tutorials (some of which involve a live animal), directed learning sessions, dissections and practical classes in the laboratory and at our working farm. Our innovative curriculum means you will spend less time in the classroom and more time mastering the material you need to learn. In the course there is a strong emphasis on independent learning; from an early stage you will be expected to take responsibility for identifying your own learning needs and to participate fully in self-directed learning activities.

You will be able to monitor your own progress by taking a computer-based 'quiz' at the end of each week, so you can assess how well you are doing and focus your studies more effectively. In some teaching sessions you will also have the opportunity to use the handheld voting systems in our lecture theatres, an enjoyable and effective way to test your own knowledge.

Animal Husbandry Extra Mural Studies

You will undertake a minimum of 12 weeks Animal Husbandry Extra Mural Studies (AHEMS) during your first two years, giving you an opportunity to obtain real-life experience in a variety of settings such as dairy and sheep farms, stables, kennels and catteries. The first year's work includes three weeks lambing during your Easter vacation. At some stage during Years One and Two you must spend two weeks at a dairy cattle farm, two weeks at a pig farm and two weeks working with horses. Four weeks may be spent working with a species of your choice. You may spend up to six weeks on overseas AHEMS. You will also gather data for your first small research project at one of these establishments.



'I really appreciate the enthusiasm of the lecturers and the hands-on approach to learning – whatever you're studying you know that you will always be taught the latest scientific developments by lecturers who have a true passion for their subject; a passion that all students inevitably begin to share.'

Alice Brockman
BVetMed

Essential Information

Course type BVetMed
UCAS Code D100
Institution Code RVET R84

Entry requirements for D100

A Level (AL) grades/subjects required AAA/AAB with grade A in Biology and Chemistry.

AS Level grades/subjects required None.

14-19 Advanced Diploma Considered with A Level Biology and Chemistry at grades AA.

GCSE At least 5 A grades including grade AA Double Award Science or Biology and Chemistry if taken separately, and minimum grade B English, Maths and Physics.

BTEC/NPTC (City & Guilds) DDD in Extended Diplomas in Animal Management and Applied Science considered with specified units at Distinction.

Access Science based Diplomas with a minimum of 15 Level 3 credits in Biology and 15 Level 3 credits in Chemistry.

Scottish Qualifications SH: AAAAB including Biology and Chemistry. AH: AA-AB including Biology and Chemistry.

Cambridge Pre-U D3 or higher in Biology, Chemistry and one other Principal subject.

Welsh Baccalaureate Core accepted alongside A Level Biology and Chemistry at grade AA.

The Irish Leaving Certificate AAAABB at Higher Level including Biology and Chemistry at grade AA.

International Baccalaureate Grade 766 Biology, Chemistry and one other subject.

Advanced Placements 4 full-year AP examinations at grade 5/4 including Biology and Chemistry at grade 5.

Canadian Secondary School Diploma Overall average of 90% with 90% in Biology and Chemistry (all at advanced level).

Work Experience Minimum four weeks experience – two weeks in veterinary practice and two weeks in different animal environments.

BMAT All applicants (except non-EU International students) for D100 must take the BMAT in the year of application. www.bmat.org.uk

IELTS 6.5 or above.

Pearson Test of English Overall score of at least 65.

NOTICE This panel gives basic entry requirements only – for complete entry requirement information, including specific subjects required, please go to www.rvc.ac.uk/undergraduate/bvetmed/entryreqs.cfm

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Clinical Science

The third year and first part of the fourth year are spent at the Hertfordshire Campus. This phase provides the framework of knowledge and basic practical skills in clinical science necessary for you to participate fully in clinical practice at the RVC and in private veterinary practice. Detailed consideration of specific diseases is based on integrated teaching of individual body systems, building on the material learnt during the first two years. You will attend lectures, directed learning sessions and practical classes. These provide you with the opportunity to gain basic knowledge and skills relating to the pathology, diagnosis, prognosis, and medical and surgical management of disease. The emphasis on self-directed study and group work also continues through this part of the course.

Clinical Skills

During the third and fourth years you will spend increasing amounts of time in our state-of-the-art Clinical Skills Centre, practising a wide range of skills in a 'safe' setting under expert guidance that will stand you in good stead when you start your clinical placements.

Clinical Extra Mural Studies

In Year Three you will begin Clinical Extra Mural Studies (EMS); to progress to Year Four, you will need to have spent 10 weeks at a variety of veterinary practices. In total, you must complete 26 weeks of Clinical EMS within the final three-years of the BVetMed. You do this via a balanced programme of placements at general veterinary practices, specialist veterinary centres, the State Veterinary Service, research institutes and the Veterinary Laboratory Agency (VLA).

Up to six of your 26 weeks of Clinical EMS may be spent outside the UK.

Intra Mural Rotations

From the middle of Year Four, much of your remaining time will be spent gaining hands-on experience in RVC clinics (Intra Mural Rotations; IMR). IMR includes the following areas:

- Small animal medicine, surgery and emergency and critical care, based in the Queen Mother Hospital for Animals, the Beaumont Sainsbury Animals' Hospital and other major hospitals in the London area –
- Equine medicine and surgery, based in the Equine Referral Hospital and our equine practice

- Farm animal medicine and surgery, reproduction and herd health investigation undertaken on our farm, in our farm animal practice and our Welsh Regional Veterinary Centre
- Pathology, including training in our diagnostic laboratories and veterinary surveillance centre.

Research Project

During this period, you will also spend at least eight weeks devising and executing a research project on an aspect of veterinary science that interests you. This is the second project of your own which you will complete. Self-motivation is key here, but a supervisor will be assigned to provide help and support as you need it. You may, during your time at the RVC, or soon after, present this project at a scientific meeting, or publish it in a veterinary or scientific journal. This distinguishes a number of our graduates from those from other veterinary schools. For further information please go to www.rvc.ac.uk/studentresearch

Specialisation

All UK veterinary graduates are required to have basic competence in all the species most commonly encountered in veterinary practice. However, the College also recognises that most students have a particular preference, whether it be for horses, domestic pets, farm animals or some other aspect of veterinary work. We have therefore created more opportunities for students to gain further knowledge and experience with their preferred species, both through additional time in more advanced classes, and through supplementary clinical rotations. You may also have the opportunity for more advanced study of disciplines and topics that particularly interest you, such as work with exotic species, anaesthesia, reproduction, veterinary history or veterinary business and entrepreneurship.

Examinations

The BVetMed is very demanding and there are rigorous examinations throughout the five-year degree. Like the other veterinary programmes in this country, and many medical programmes, there is an opportunity to retake each examination. However, a student who fails an examination twice is usually required to withdraw from the College.

Expectations

Some students enter clinical veterinary programmes with unrealistic expectations about the breadth of knowledge and skills they will be able to acquire during a five-year degree. You can only expect to

acquire basic competence in treating a limited number of common species prior to graduation, although there is some scope for specialisation during the undergraduate course. The solid basic knowledge the BVetMed provides will enable you to continue learning throughout your professional career.

Further Study at the RVC

Once they have attained the BVetMed, graduates can continue to learn at the RVC in a variety of ways. The RVC has a wide range of continuing professional development short courses and Masters programmes such as the MSc Wild Animal Health, MVetMed, MSc Veterinary Epidemiology, MSc Control of Infectious Diseases in Animals, through our Clinical Training Scholar programme, our professional doctorate, the DVetMed, and study for a PhD.

Putting your Degree into Practice

You will be entitled to practice as a veterinarian as soon as you have earned your BVetMed degree and registered as a Member of the Royal College of Veterinary Surgeons.

The American Veterinary Medical Association (AVMA) will recognise your degree as equivalent to those awarded by veterinary colleges in the United States. The RVC is the only English veterinary school accredited by the AVMA, and this gives you a unique advantage. Some of the USA's major veterinary employers recruit actively among our final year students, many of whom now sit the North American Veterinary Licensing Examination with the intention of working in the USA after qualifying.

NB Licensing requirements may vary considerably between individual US States and are liable to change. Some States may lay down specific requirements that non-US nationals cannot satisfy, and you should therefore check an individual State's licensing laws before assuming you will be able to practice there.

International Students

Applicants from overseas must meet the entry requirements by means of the qualifications listed or other acceptable alternative qualifications. Prospective students must have achieved a sufficient level of knowledge in the prescribed subjects before entry to the course. No foundation module in basic science is given within the BVetMed course. Applicants with qualifications not listed will be considered on a case-by-case basis and should contact the Admissions Office for advice.

A good working knowledge of scientific English is essential in order to follow the course, which includes a significant proportion of oral instruction and written

assessments. Applicants whose first language is not English must have an acceptable English Language qualification e.g. IELTS at 6.5 or above.

North America

Applicants from the United States of America should have at least four full-year Advanced Placement examinations at grade 5/4 including Biology and Chemistry both at grade 5.

Applicants from Canada should have 90% overall in their Secondary School Diploma with 90% in Biology and Chemistry (Advanced Level).

Applicants from North America who are in their final year or have recently graduated from degree courses which include large biological science components can be considered for our four year accelerated programme (see page 50 for further information).

Normally a GPA of at least 3.4 is required.

Applications from North American graduates must be made through VMCAS. Please see www.rvc.ac.uk/undergraduate/international/country/northamerica. cfm for more information. All other North American applicants must apply through UCAS (see www.ucas.com for further information on how to apply).

Work Experience

Before making an application, in order to develop animal handling skills you must obtain varied work experience for a minimum of four weeks (two weeks veterinary practice and two weeks in different animal environments). Examples of suitable experience other than in veterinary practice include work in stables, kennels, on a rural or city farm, in an abattoir, in a research laboratory, an animal groomers or a pet shop. This experience must be gained before making an application. Brief details of experience and duration (including dates) of visits should be set out in your UCAS personal statement.

Biomedical Admissions Test (BMAT)

The BMAT has been used for several years by Cambridge and the RVC (as well as medical schools in Cambridge, Oxford, UCL and Imperial College) as a supplementary science aptitude test to help inform the selection process. The BMAT is designed to test the data handling and reasoning skills of candidates, and the ability to structure thoughts in extended writing exercises. Due to the very high volume of excellent applications from Home/EU students BMAT scores are used as the final 'filter' of the selection process to decide who is called for interview/offered a place.

All applicants for D100 (except non-EU international students) need to take the BMAT in the year of application.

BVetMed

D100 | Five-year course (six years with intercalation, see page 38)

To confirm deadlines and examination dates and for more details please go to www.bmat.org.uk

The closing date for entries is usually at the end of September but please check online for exact dates.

Reapplication

We are normally unable to consider more than one repeat application. Applicants reapplying must take BMAT again.

Graduate Entry (Four-Year Programme)

Applicants who have recently graduated or expect to complete a biological sciences related degree in the current academic year can be considered under the graduate entry scheme. Please see page 50.

It is not possible to transfer to the BVetMed course from a degree programme partly completed at another university. Applications will not be considered from students currently on a degree programme unless they are in their final year and applying for graduate entry. No exemption is granted from any course components.

Application Information

If you are considering a veterinary career, you should take steps to learn something about the profession and take an interest in current issues affecting agriculture and the animal world in general.

Applications for admission to the BVetMed degree course (the five-year pathway) should be made through UCAS during the period 1 September to 15 October for entry in the following year see www.ucas.com

UCAS code D100

Institution code RVET R84

Important Note

You may list a total of five courses on the UCAS application form, but only four can be for veterinary medicine/science courses (D100, D101 and D102). Applicants should choose whether to apply for either D100 or D101. You may not apply for both. See page 47 for full details of the D101 degree.

Interviews

The RVC does not normally offer a place on the BVetMed course without interview. Interviews for selected applicants usually take place during the period February to March although some may take place in December. Interviews are also held in North America, normally between January and March. If you are selected for interview for more than one degree-programme at the RVC, a separate interview may be held for each course. If you are resident outside the EU your interview may take place at a different time in the year or may take a different format; please check with the Admissions Office. Interviews are conducted by a panel of at least two people; including members of RVC academic staff and, sometimes, a practising veterinary surgeon.

The aim of the interview is to find out more about you; we try to make this a useful experience rather than an intimidating one. You may be asked questions about your scientific knowledge and experience, personal interests, your ambitions, what you have learned from your work experience, and about any current, scientific, farming or other animal-related issues.

You will be asked to fill in some questionnaires before you come for interview to confirm details of Section 8 of the UCAS form and to obtain more details of your work experience.

Reference letters are not required, but if you have any and wish to bring them to an interview, you should bring copies that we can keep and add to your application. Please note that if you bring case books to your interview, the selectors may be able to browse through the contents if there is time but please do not send them to the College in advance.

Notification of Outcome

You will be informed of the outcome of your application through UCAS. Please check the UCAS website for updates. We will make every effort to reach a decision as quickly as possible, but need to ensure careful consideration of each application. If you are invited to attend an interview it is unlikely that you will receive a final decision on your application until mid-March when all interviews have taken place.

Entry Profiles

Further information about the course and application processes can be found in the Entry Profile on the UCAS website www.ucas.com



BSc/BVetMed Combined Programme

D101 | Six-year course

Quite often, veterinary students choose to complete a science degree alongside their clinical degree. For some, this stems from an interest in science developed at school. Some like to keep their options open should a scientific or research career seem preferable at a later date. Others want to reinforce the basic science foundation upon which they can build a career in veterinary medicine.

London, with its many colleges, museums and learned societies, is the richest science resource in the UK. It is also the place where much of the UK's academic research takes place. By attending specially designed science modules at the RVC, lectures and seminars outside the College, and participating in an exciting research project of your own, you will reap the benefits.

Programme Content

The BSc/BVetMed programme expands your study of basic sciences over a three-year period, allowing more time to attend internal and external science seminars and events.

It still covers animal health and disease, but tackles it from a different research-based perspective, which will enrich your understanding of clinical science in later years. You will find where others 'know', you 'understand'. This programme includes more laboratory practical classes and weekly tutorials in groups of three or four people. In order to facilitate this, in the first two years, you will study alongside students taking the BSc Bioveterinary Sciences degree, developing your skills and knowledge in the biomedical sciences.

Year One Modules

- Form and Function – including anatomy, physiology and biochemistry
- Control and Regulation – including cellular and molecular biology
- Foundations of Science – including scientific philosophy and methodology
- Problem Definition and Investigation – including research topics and a Library Project.

Year Two Modules

- Foundations of Science
- The Enemy Within – autoimmune disease, oncology and ageing, genetic diseases

- The Enemy Without – infectious diseases and injuries
- Pharmacology – how medicines are developed and tested
- Animal Husbandry – theory and placements regarding animal production, welfare and handling
- Mini laboratory project.

Year Three

You will be joined by appropriately qualified graduate entrants on a four-year accelerated BVetMed programme and your modules will include:

- Integrated Structure and Function
- Veterinary Pathology and Immunology.

You will also study one optional science module of your choice and complete a major project for your BSc degree. Many of these are published in peer-reviewed journals, adding an extra dimension to your experience (and CV).

After the BSc project year (and your first graduation ceremony), you enter phase two of the five-year BVetMed degree for the final three years of that programme. Please see the BVetMed section (page 42) for further information on this course. An increasing number of Combined Degree students are, however, intercalating before continuing onto their clinical training (e.g. undertaking a PhD).

Work Experience

We ask for prior work experience, both in veterinary practice and with animals, in order to develop animal handling skills and obtain an insight into the work of veterinary surgeons. The minimum work experience required is two weeks in veterinary practice, one week in a different animal environment and one week in a scientific environment, e.g. a research laboratory in a university, in industry, in a government research institute, or a veterinary or medical diagnostic laboratory.



This experience must be gained before making an application. Brief details of experience and duration of visits (including dates) should be set out on your UCAS personal statement.

Biomedical Admissions Test (BMAT)

The BMAT is a supplementary science aptitude test to help inform the selection process and is used by a select number of universities and veterinary schools. The BMAT is designed to test the data handling and reasoning skills of candidates, and the ability to structure thoughts in extended writing exercises. Due to the very high volume of excellent applications from Home/EU students BMAT scores are used as the final 'filter' of the selection process to decide who is called for interview/offered a place.

All applicants for D101 (except non-EU international students) need to take the BMAT in the year of application.

To confirm deadlines and examination dates and for more details please go to www.bmat.org.uk. The closing date for entries is usually at the end of September but please check online for clarification.

Reapplication

We are normally unable to consider more than one repeat application. Applicants reapplying must take BMAT again.

Application Information

If you are considering a veterinary career, you should take steps to learn something about the profession and take an interest in current issues affecting agriculture and the animal world in general.

Applications for admission to the combined BVetMed degree course (the six-year pathway) should be made through UCAS during the period 1 September to 15 October for entry in the following year.

www.ucas.com

UCAS code D101

Institution code RVET R84

Important Note

You may list a total of five courses on the UCAS application form, but only four can be for veterinary medicine/science courses (D100, D101 and D102).

Applicants should choose whether to apply for either D100 or D101. You may not apply for both.

Interviews

The RVC does not normally offer a place on the BSc/BVetMed Combined Programme without interview. Interviews for selected applicants usually take place during the period February to March although some may take place in December. Interviews are also held in North America, between January and March. If you are selected for interview for more than one degree programme at the RVC, a separate interview may be held for each course. If you are resident outside the EU your interview may take place at a different time in the year or may take a different format. Please check with the Admissions Office.

Interviews are conducted by a panel of at least two people; including members of RVC academic staff and, sometimes, a practising veterinary surgeon.

The aim of the interview is to find out more about you; we try to make this a useful experience rather than an intimidating one. You may be asked questions about your scientific knowledge and experience, personal interests, your ambitions, what you have learned from

Essential Information

Course type BSc/BVetMed Combined Programme
UCAS Code D101 **Institution Code** RVET R84

Entry requirements for D101

A Level (AL) grades/subjects required AAA/AAB with grade A in Biology and Chemistry.

AS Level grades/subjects required None.

14-19 Advanced Diploma Considered with AL Biology and Chemistry at grades AA.

GCSE At least 5 A grades including grade AA Double Award Science or Biology and Chemistry if taken separately, and minimum grade B English, Maths and Physics.

BTEC/NPTC (City & Guilds) DDD in BTEC National Diploma in Animal Management considered with specified units at Distinction.

BTEC/NPTC (City & Guilds) DDD in BTEC National Diploma in Applied Science considered with specified units at Distinction.

Access Science-based Diplomas with a minimum of 15 Level 3 credits in Biology and 15 Level 3 credits in Chemistry.

Scottish Qualifications SH: AAAAB including Biology and Chemistry. AH: AA-AB including Biology and Chemistry with Intermediate 2 or Standard Credit 1 or 2 in English, Maths and Physics.

Cambridge Pre-U D3 or higher in Biology, Chemistry and one other Principal subject.

Welsh Baccalaureate Core accepted alongside AL Biology and Chemistry at grade A.

The Irish Leaving Certificate AAAABB at Higher Level including Biology and Chemistry at grade A.

International Baccalaureate Grade 766 Biology, Chemistry and one other subject at Higher Level.

Advanced Placements 4 full-year AP examinations at grade 5/4 including Biology and Chemistry at grade 5.

Canadian Secondary School Diploma Overall average of 90% with 90% in Biology and Chemistry (all at advanced level).

Work Experience Minimum four weeks experience – two weeks in veterinary practice, one week in a different animal environment plus one week in a scientific research environment.

BMAT All applicants (except non-EU international students) for D101 must take the BMAT in the year of application. www.bmat.org.uk.

IELTS 6.5 or above.

Pearson Test of English Overall score of at least 65.

NOTICE This panel gives basic entry requirements only – for complete entry requirement information, including specific subjects required, please go to www.rvc.ac.uk/undergraduate/bscbvetmed/entrancereq.cfm

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your work experience, and about any current, scientific, farming or other animal-related issues. For this course in particular we would want to see evidence of your underlying interest in science.

You will be asked to fill in some questionnaires before you come for interview to confirm details of Section 8 of the UCAS form and to obtain more details of your work experience.

Reference letters are not required, but if you wish to bring them to an interview, you should bring copies that we can keep and add to your application. Please note that if you bring case books to your interview, the selectors may be able to browse through the contents if there is time but please do not send them to the College in advance.

Notification of Outcome

You will be informed of the outcome of your application through UCAS and should therefore check the UCAS website for news. We will make every effort to reach a decision as quickly as possible, but will take the time necessary to ensure careful consideration of each application. If you are invited to attend an interview it is unlikely that you will receive a final decision on your application until all interviews have taken place which will not be before mid-March.

Entry Profiles

Further information about the course and application processes can be found in the Entry Profile on the UCAS website (www.ucas.com).

Further Information

To find out more about veterinary medicine go to www.tobeavet.com. Here you will be able to see what sort of skills you will need, view student profiles and much more. You will also be able to find information about alternative careers.

BVetMed Accelerated Programme

D102 | Four-year course (includes specially designed graduate first year)

If you are a graduate or in your final year of a biological sciences degree, you can apply for an accelerated version of our renowned BVetMed programme.

The four-year graduate programme enables you to supplement your existing skills base, adding to the preclinical science information covered by a previous biological science degree. On successful completion of the introductory graduate year, you will enter the BVetMed course at the start of Year Three, leading to completion of the BVetMed in a total of four years.

Pre-sessional Programme for North American Graduates

Successful graduate candidates from North America must attend a specially designed pre-sessional programme. This programme runs immediately preceding the start of the BVetMed Accelerated Programme. For more information, please contact the Admissions Office.

Programme Content

The first year of this programme calls for a determined, self-motivated approach to learning. It consists of three modules, each divided into units. Each unit consists of ten or so lectures, each lecture series being rounded off by a clinically oriented seminar from one of our clinical staff. Within each unit, lecturers will provide introductions to each new subject as well as an overview and 'road-map' showing how to take the subject further. The emphasis is very much on independent study, directed reading, problem-oriented and directed learning, practical anatomy classes and dissections, and histology reviews through microscope use and electronic media.

Module One

Locomotor

- Introduction to Histology of tissues
- Muscle structure, function and development
- Bone and cartilage development, form and function
- Nerve cells, action potentials, synapses and neuromuscular junctions
- Tendons, ligaments, skin, hoof and horn.

Organs of Digestion

- Oral cavity and teeth
- GI tract: Animals with simple stomachs
- GI tract: Carnivore and herbivore specialisations
- GI tract: Regulation, motility and secretion
- Clinical aspects of gut: diarrhoea.

Renal and Urinary Tract

- Development, anatomy, vascularisation
- Regulation of excretory function
- Regulation of water, Na, K and mineral balance
- Acid/base balance
- Clinical aspects and effects of diuretics.

Endocrine Systems

- General principles and clinical importance
- The hypothalamic-pituitary axis
- Control of blood glucose; thermoregulation
- Thyroid structure and function
- Adrenal structure and function.

Nervous System

- Brain Development, form and function
- Cranial nerves
- Development, form and function of auditory and visual pathways
- Peripheral nervous system/autonomic nervous system
- Motor and sensory pathways of brain and spinal cord.



Essential Information

Course type BVet.Med Accelerated Programme

UCAS Code D102

Institution Code RVET R84

Entry requirements for D102

Undergraduate degree Minimum 2:1 in an appropriate biological science degree.

BMAT All applicants (except non-EU international students) for D102 must take the BMAT in the year of application. www.bmat.org.uk

Undergraduate degree from North America

Minimum GPA of 3.4 in a science-based degree with specific prerequisites required.

IELTS 6.5 or above for applicants whose first language is not English.

Pearson Test of English Overall score of at least 65.

Work Experience Recent experience working with animals required. Minimum four weeks experience – two weeks in veterinary practice and two weeks in different animal environments.

NOTICE This panel gives basic entry requirements only – for complete entry requirement information, including specific subjects required, please go to www.rvc.ac.uk/undergraduate/bvetmedacc/entry.cfm

Reproduction

- Male and female reproductive systems
- Sperm maturation and fertilisation
- Oestrus cycle and pharmacological control
- Implantation, placentation and parturition
- Mammary gland and lactation.

Cardiovascular and Respiratory Systems

- Development of the heart and foetal circulation
- Structure and function of the heart and blood vessels
- Cardiac cycle, electrophysiology, cardiac output and haemostasis
- Respiratory tract, lungs, larynx and pharynx
- Gaseous exchange and neural control of ventilation.

Module Two

Veterinary Pathology

- Degenerations and infiltrations
- Necrosis and post-mortem changes
- Pigmentation and mineralisation
- Acute and chronic inflammation/anti-inflammatory drugs
- Circulatory disorders.

Veterinary Immuno-Pathology

- Cells of the immune system/Principles of innate and adaptive immunity
- Principles of drug action and toxicity
- Vaccines and vaccination
- Immunodeficiencies and autoimmunity
- Growth disorders.

Virology

- Virus replication
- Pathogenesis of viral infections and tumour viruses
- Diagnosis of viral diseases and epidemiology
- Emerging evolving and notifiable diseases
- Immune evasion by viruses.

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www.rvc.ac.uk

www.ucas.com

www.tobeavet.com

www.aavmc.org/vmcas/vmcas.htm

BVetMed Accelerated Programme

D102 | Four-year course (includes specially designed graduate first year)

Parasitology

- Ectoparasites
- Parasites of the alimentary tract
- Parasites of the respiratory tract
- Parasites of the cardiovascular system
- Parasitic zoonoses and emerging diseases.

Bacteriology

- Bacterial structure and growth
- Bacterial genetics
- Antimicrobial drugs
- Antimicrobial resistance
- Bacterial pathogenicity.

Module Three

Animal Husbandry

- Health and safety in working with animals
- Introduction to extra-mural studies
- Animal welfare
- Animal behaviour
- Equine stewardship
- Small animal stewardship
- Practicals on equine handling, small animal handling, lab animal handling.

Entry requirements

UK applicants (and those international applicants who hold equivalent degrees)

This programme is available to graduates who already hold, or expect to obtain in the current year, at least a 2:1 in an appropriate biological science degree. (Suitable degrees include but are not limited to Bioveterinary Sciences, Animal Sciences, Biochemistry, Zoology). You will also need to meet the other prescribed subject entry requirements for the BVetMed course through A Levels and GCSEs or other acceptable qualifications (see page 43).

North American applicants

Applicants from North America should be graduates or in the final year of a science related degree and must apply through VMCAS (www.aavmc.org/vmcas/vmcas.htm).

The following course prerequisites are required:

Required at Upper Level (8 semester credits each)

- Organic Chemistry with lab
- At least 4 credits in Principles of Biology or General Biology. Remainder of the credits can be in Animal Biology, Zoology, Microbiology or Genetics (all with lab).

Also required (4 semester credits each)

- Biochemistry
- Physics with Laboratory
- Mathematics or Statistics (including algebra).

Strongly recommended

General Chemistry or Inorganic Chemistry or Fundamentals of Chemistry with Laboratory.

Work Experience

You should have recent experience of working with animals. The minimum requirement is two weeks in a veterinary practice and two weeks in different animal environments.

It is not possible to transfer to the BVetMed course from a degree programme partly completed at another University. No exemption is granted from any course component.

Biomedical Admissions Test (BMAT)

The BMAT has been used for several years by Cambridge and the RVC (as well as medical schools in Cambridge, Oxford, UCL and Imperial College) as a supplementary science aptitude test to help inform the selection process. The BMAT is designed to test the

data handling and reasoning skills of candidates, and the ability to structure thoughts in extended writing exercises. Due to the very high volume of excellent applications from Home/EU students BMAT scores are used as the final 'filter' of the selection process to decide who is called for interview/offered a place.

All applicants for D102 (except non-EU international students) must take the BMAT in the year of application.

To confirm deadlines and examination dates and for more details please go to www.bmat.org.uk

The closing date for entries is usually at the end of September, but please check online for clarification.

Reapplication

We are normally unable to consider more than one repeat application. Applicants reapplying must take BMAT again.

English Language

Applicants whose first language is not English must have an acceptable English Language qualification e.g. IELTS at 6.5 or above.

Application Information

If you wish to be considered for the BVetMed Accelerated Programme you will need to apply through UCAS using course code D102 (apart from applicants from North America who must apply through VMCAS www.aavmc.org/vmcas/vmcas.htm). See www.ucas.com When you apply you must send academic transcripts showing all degree modules and results to the Admissions Office.

Interviews

The RVC does not normally offer a place on the BVetMed without interview. Interviews for selected graduate applicants usually take place during February and March. Interviews are also held in North America from January to March.

Important Note

You may list a total of five courses on the UCAS application form, but only four can be for veterinary medicine/science courses (D100, D101 and D102).

Entry Profiles

Further information about the course and application processes can be found in the Entry Profile on the UCAS website (www.ucas.ac.uk).

