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Why choose Veterinary Science at Liverpool?

We are a leading education provider for vets of the future, aspiring to create practical, compassionate and resilient veterinary surgeons equipped to practice in the 21st Century. Our integrated spiral curriculum offers an innovative approach to teaching and learning, provides opportunities for intercalation and study abroad, and enables registration as a Member of The Royal College of Veterinary Surgeons upon graduation.

Enjoy an innovative and exciting programme of study

We’ve developed our curriculum with the advice of veterinary surgeons and subject experts, and introduce clinical skills and animal handling from the first term.

Gain practical experience in our farms, referral hospitals and first opinion practices

We’re distinct in the UK in that we have two farms, alongside three first-opinion practices and two referral hospitals on campus meaning you can get real experience of all aspects of veterinary practice: equine, large animal, and small animal. You’ll also benefit from our close associations with Chester Zoo.

Start your career with confidence

Your future prospects are strengthened through the Member of the Royal College of Veterinary Surgeons (MRCVS) recognition your programme offers you.

Enjoy both city and rural lifestyles

Your first three years are spent at the city centre campus enjoying all Liverpool has to offer. This provides you with the opportunity to integrate with students doing other courses and to enjoy all the facilities available on the Liverpool campus, including sports facilities and social clubs, as well as our great city itself! Your final two clinical years are spent at the Leahurst campus, on the beautiful Wirral peninsula, which is close to Chester and North Wales while still only half an hour from Liverpool.
Study abroad
You will have the opportunity to take a year out from the veterinary science programme to study for an additional, intercalated degree. A wide variety of subjects are available, both at Liverpool and other universities in the UK and abroad, and examples range from basic sciences to our world renowned BSc in Veterinary Conservation Medicine. There is also the opportunity to undertake clinical rotations in one of six European Veterinary schools as part of our Erasmus Exchange programme or to spend a year studying in China.

Year in China
The Year in China is the University of Liverpool’s exciting flagship programme enabling undergraduate students from a huge range of departments, including Veterinary Science, the opportunity to spend one year at our sister university Xi’an Jiaotong-Liverpool University (XJTLU), following XJTLU’s BA China Studies degree classes. See liverpool.ac.uk/yearinchina for more information.

How you learn
There is a combination of problem-based learning, didactic teaching and small-group practical classes allowing students to develop lifelong learning techniques.

Good to know

162 first year students (2018).


Top 10 Ranked in the top 10 veterinary science degrees (QS World University Rankings 2018).

98% are in employment or in further study within six months of graduating (DLHE 2016/17).

We offer study abroad opportunities.

We offer a Year in China.

We offer accredited programmes.
Invest in your future

The vast majority of veterinary students find employment within six months of graduation. Most newly qualified vets choose to work in private veterinary practices. Others decide to work for animal charities, in laboratories, abattoirs, industry or the public health sector, and some pursue careers in research. Others go on to higher degrees, for example PhDs, or further studies in particular veterinary specialities.

A passion for learning: postgraduate studies
- Veterinary Science MSc
- Veterinary Science PhD/MPhil/DVSc
- Bovine Reproduction DBR
- RCVS/Certificate in Advance Veterinary Practice.

I enjoy how relevant the lectures are to my chosen career and how I feel more like I can succeed as a veterinary surgeon every day. In particular I think the new spiral curriculum is a fantastic way to learn, not just for exams, but to be able to retain more information when I become a qualified vet. I feel like I have joined a family rather than a degree programme. There is always support available and they run a student-to-student buddy scheme and regular inter-year events designed to help everybody succeed together.

Hannah Hartley
Veterinary Science BVSc

After my programme I want to go into a mixed practice, as I have a broad knowledge and experience of lots of animals. Also, I know that the University of Liverpool has veterinary master’s programmes that I’m really interested in looking into.

James Boys
Veterinary Science BVSc
Innovation in teaching and research

**Weight Management Clinic**
The work of the School of Veterinary Science has real practical application, making life better for animals and their owners. Our Royal Canin Weight Management Clinic celebrated its 10-year anniversary in 2015. In addition to providing a specialist referral service for managing overweight and obese cats and dogs, the centre coordinates various clinical studies aimed at improving the understanding of obesity in companion animals.

Using a combination of an individualised diet plan and lifestyle changes, the clinic has shown that animals under specialist care can lose an average 20% of body weight, with the most successful ones losing over 40%. These results eclipse weight loss performance for people, where 5-10% of weight loss equates with success.

The clinic has also pioneered the use of dual-energy X-ray absorptiometry (DEXA) to determine the amount of body fat lost by each patient. To date, the combined fat loss from all patients exceeds a tonne. The next 10 years will see the veterinary team take greater strides in tailoring weight loss, obesity prevention and improving the quality of life of UK pets.

**Innovation in teaching**
We are utilising cutting-edge technology to allow students to analyse animals’ internal anatomy, using their smartphones. Augmented reality allows students to look inside an animal by holding their smartphone against an image or other physical source, which then reveals another set of images, such as a video, on their device.

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"Joining the vet course was nerve-wracking at first, however it’s not long until you’re in a routine, keeping up-to-date with work and enjoying the dynamic aspects all university students look for when enrolling on a course. For me, I couldn’t have asked for a greater start to my journey in becoming a vet."

Daniel Bell  
Veterinary Science BVSc
Degrees

Programmes at-a-glance

<table>
<thead>
<tr>
<th>Programme</th>
<th>UCAS code</th>
<th>Programme length</th>
<th>Page</th>
</tr>
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<tbody>
<tr>
<td>Veterinary Science BVSc</td>
<td>D100</td>
<td>5 years</td>
<td>08</td>
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<tr>
<td>Foundation to Health and Veterinary Studies (Year 0) (Veterinary Science Pathway)</td>
<td>74JJ</td>
<td>1 year</td>
<td>12</td>
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</table>

Degrees offered with other departments

Bioveterinary Science BSc (Hons) D900 3 years 12

See liverpool.ac.uk/study/undergraduate/courses for current entry requirements.

Veterinary Science BVSc
UCAS code: D100
Programme length: 5 years

The Liverpool BVSc curriculum ensures that graduates:

- Can fulfil the “Day One Competences” – a list of key skills set out by the Royal College of Veterinary Surgeons.
- Have the knowledge, expertise and attitudes required for a career in clinical or academic veterinary practice, business or scientific research.
- Are equipped with the skills to become lifelong learners, committed to their own professional development.
- Are able to meet the needs of the profession as set out in the Vet Futures report.

As an Institute, we are proud to rank 3rd in the UK (1st in England) and in the top ten in the world.

Programme in detail

The first three years of the BVSc programme are based in Liverpool. You will study the science of normal structure and function, the welfare and husbandry of animals and the mechanisms and treatment of disease. You will begin learning and using practical skills from day one, taking advantage of our dedicated facilities to develop animal handling skills and using the clinical skills lab to practice the essential techniques required in every field of veterinary practice, such as bandaging, injections, lab analysis, suturing and knot tying. You will learn how to communicate effectively with others, in both written and spoken form, and you will get to put this into practice with professional actors who act as your clients in simulated veterinary consultations.

You will continue to build on this knowledge in second year, adding further practical techniques and learning about veterinary research in our research skills course. In third year you will complete a research project, and our professional skills course which runs throughout the whole five years of the course allows you to develop an awareness of the importance of practice finance and learn about how veterinary businesses operate.
The fourth and final year are based at Leahurst where we have our own farms and both first and second opinion practices (small animal first opinion is in Liverpool). You will finish the clinical theory course by the February of fourth year and then complete 36 weeks of clinical rotations spread equally between production animal, equine and small animals with dedicated rotations in ophthalmology and wildlife and exotics medicine. Rotations are undertaken in small groups of 3-5 students and over 90% of rotations take place at the Leahurst Campus with dedicated staff who are experts in their field as well as qualified teachers.

Following your clinical rotations, you will have the chance to choose an elective subject to study in greater depth. This three week block follows final exams and therefore allows you to effectively practice as a vet whilst still benefiting from the support and expertise of the staff at the teaching site.

During the BVSc degree at Liverpool, you have the opportunity to take a year out from the veterinary science programme to study for an additional, intercalated degree. A wide variety of subjects are available, both at Liverpool and other universities in the UK and abroad, and examples range from basic sciences to our world renowned BSc in Veterinary Conservation Medicine. There is also the opportunity to undertake clinical rotations in one of six European Veterinary schools as part of our Erasmus Exchange programme or to spend a year studying in China.

For more information about our curriculum and our teaching methods please see liverpool.ac.uk/veterinary-science

Key modules

Year One
- Animal husbandry and welfare
- Infectious diseases
- Normal structure and function
- Professional, clinical and study skills
- Public health and epidemiology.

Year Two
- Animal husbandry
- Infectious diseases
- Normal structure and function
- Professional, clinical and research skills
- Public health and epidemiology.

Year Three
- Management of disease
- Pathology and parasitology
- Professional (including business), clinical and research skills
- Public health and epidemiology.

Year Four
- Clinical rotations
- Management of disease.

Year Five
- Clinical rotation (see page 10)
- Electives.
Course overview

<table>
<thead>
<tr>
<th>Year One</th>
<th>Year Two</th>
<th>Year Three</th>
<th>Year Four</th>
<th>Year Five</th>
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</thead>
<tbody>
<tr>
<td>Animal handling</td>
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<tr>
<td>Normal structure and function</td>
<td>Animal husbandry</td>
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<tr>
<td>Animal husbandry</td>
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<td>Epidemiology</td>
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<td>Epidemiology</td>
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<tr>
<td>Animal handling</td>
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<tr>
<td>Research skills</td>
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<td>Research project</td>
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<td>Pathology</td>
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<td>Parasitology</td>
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<td>Public health</td>
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<tr>
<td>Clinical skills</td>
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<tr>
<td>Welfare, ethics and law</td>
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<tr>
<td>Professional skills (including business skills and communication)</td>
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<tr>
<td>Extramural studio (38 weeks)</td>
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*Final year rotations*
Equine orthopaedics, Equine soft tissue surgery, Equine out of hours, Equine clinical skills, Diagnostic pathology, Wildlife and exotics, Equine medicine, Equine anaesthesia, Equine first opinion practice, Farm animal practice, Herd health, Farm animal reproduction, Public health, Disease investigation, Farm animal clinical skills, Farm animal lameness, Small animal oncology, Small animal internal medicine, Small animal cardiology, Small animal dermatology, Small animal soft tissue surgery, Small animal neurology, Small animal orthopaedics, Small animal out of hours, Small animal anaesthesia, Small animal ophthalmology, Small animal behaviour, Small animal first opinion practice.
# Example first year timetable

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Clinical skills</td>
<td>Mental health</td>
<td>Private study</td>
<td>Histology of GI tract practical</td>
</tr>
<tr>
<td>10:00</td>
<td>Clinical skills</td>
<td>Mental health</td>
<td>Private study</td>
<td>Histology of GI tract practical</td>
</tr>
<tr>
<td>11:00</td>
<td>Escherichia coli</td>
<td>Salmonellosis</td>
<td>Horses</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Salmonellosis</td>
<td></td>
<td>Gi review</td>
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<tr>
<td>13:00</td>
<td>Ruminants II</td>
<td></td>
<td>Dairy cattle housing</td>
<td></td>
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<tr>
<td>14:00</td>
<td>Consolidation</td>
<td></td>
<td>Dairy calf and heifer rearing</td>
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<tr>
<td>15:00</td>
<td>Consolidation</td>
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<tr>
<td>16:00</td>
<td>Ruminants I</td>
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This indicative timetable gives you a sense of how your studies are spread across a typical week.

**Veterinary Science** [liverpool.ac.uk/veterinary-science](liverpool.ac.uk/veterinary-science)
Foundation to Health and Veterinary Studies (Year 0)
UCAS code (Veterinary pathway): 74JJ
Programme length: 1 year

The University of Liverpool, in collaboration with local further education partners, has developed a Year Zero foundation programme for UK/EU students that leads to access onto a variety of vocational Health Studies programmes including Veterinary Science. Students will study biology, chemistry and maths modules at Carmel College, St Helens.

Successful completion of Year Zero foundation programme leads to automatic progression onto the Veterinary Science degree programme at the University of Liverpool.

Please note: Application to this programme is through UCAS. The programme is specifically targeted at UK/EU mature and non-traditional students who typically have taken a break from studies.

Programme in detail
This is a modular programme and successful candidates have to complete 120 Level 0 credits.

In all modules at Year Zero, the study skills needed for independent study at undergraduate degree level are developed. You are also introduced to a variety of learning methods, for example formal taught sessions, workshops, practical laboratory sessions and a variety of assessment tasks, such as, written assignments, in-class data handling, written and practical examinations, providing a good grounding for vocational programmes. Applicants should be aware that appropriate work experience (much of it undertaken at our own farms and practices) must be arranged during the Year Zero programme.

Modules for the veterinary science pathway:
- Biology for health studies I and II (45 credits)
- Chemistry for medicine/dentistry I and II (45 credits)
- Foundations of professional studies for veterinary science (20 credits)
- Maths for veterinary science (10 credits).

The Biology modules (45 credits) provide the basic knowledge of the structure and function of the human body relating to cell structure and function: genetics; respiration; transport; regulation and control; action of drugs; immunity; the eye and the nervous system.

The two Chemistry modules (45 credits) will provide basic knowledge of those aspects of chemistry which are particularly relevant to dentistry, medicine and veterinary science.

The Foundations of professional studies for veterinary science modules (20 credits) provide an opportunity to develop knowledge and understanding of the veterinary profession.

The Maths for veterinary science module (10 credits) will provide you with a basic knowledge of mathematical principles that underpin biology and chemistry.

For further information including how to apply to this programme please contact Sean Hollywood on T: +44 (0)151 794 9490, E: s.hollywood@liverpool.ac.uk or visit liverpool.ac.uk/study/undergraduate/courses/foundation-to-health-studies-year-0/overview/

Degrees offered with other departments

Bioveterinary Science BSc (Hons)
UCAS code: D900
Programme length: 3 years

This three-year programme will provide you with a wide knowledge of biological and veterinary animal sciences, practical techniques and transferable skills for careers allied to veterinary science, scientific research, conservation, animal welfare and the biotechnology and pharmaceutical industries.

For more information, download the Life Sciences brochure from liverpool.ac.uk/study/undergraduate/courses/publications
Find out more
liverpool.ac.uk/study

Accommodation: liverpool.ac.uk/accommodation
Fees and student finance: liverpool.ac.uk/money
Life in Liverpool: liverpool.ac.uk/study/undergraduate/welcome-to-liverpool
Student Welfare Advice and Guidance: liverpool.ac.uk/studentsupport
Undergraduate enquiries and applications: T: +44 (0)151 794 5927

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Information provided is correct at time of going to press and is subject to change.