

Programme Specification

Part 1: Basic Data			
Primary Programme Title	BSc (Hons) Bioveterinary Science (Level 6 entry)		
Target Award Titles	Mode and Typical Duration of Study	Professional Accrediting Body Links	Study Abroad / Exchange / Credit Recognition
BSc (Hons) Bioveterinary Science	Full time, 1 year, Part time 2 years	None	None
Interim Award Titles	BSc Animal Studies		
Teaching Delivery Method	On-site		
Awarding Institution	Hartpury University		
Teaching Institution	Hartpury University		
Delivery Location	Hartpury		
Department Responsible for Programme	Animal and Agriculture		
Unit-E Code	BSHABVS6		
Entry Criteria Information	Applicants will have achieved entry criteria appropriate for the stage of entry, which can be found through the Hartpury website (www.hartpury.ac.uk)		
Most Recent Validation Date	02 November 2023	Due for Re-validation By	01 September 2029
Amendment Approval Date		Approved With Effect From	V1.0 – 01 September 2024
Professional Accrediting Body Approval Date	N/A	Date for Re-accreditation	N/A
Version	1.0		

Part 2: Programme Overview

A BSc (Hons) Bioveterinary Science graduate has had the opportunity to expand their knowledge and understanding on a range of animal health topics supporting individual interests and career aspirations. Irrespective of subjects chosen, graduates have developed skills in critical enquiry and evaluation of current process and practices in Bioveterinary Science. Graduates have acquired current subject knowledge that can be applied to solve challenges within industry. Graduates have been exposed to a range of veterinary diagnostic practices and will be confident to assist with animal health assessments.

Part 3: Programme Structure

This structure diagram demonstrates the student journey from enrolment through to graduation for a typical **full time student on the primary programme**, including:

- level and credit requirements
- award requirements that are in addition to those described in the Hartpury University Academic Regulations
- module diet, including core and optional modules.

Please note:

*PAB – these modules are subject to additional and variant regulations as part of an accreditation by a professional accrediting body

+ core modules marked + are not eligible for compensation

	Core Modules	Optional Modules	Target and Interim Awards
Stage 3	<p>HANVQF-30-6 + Immunology and Animal Disease OR HANV3J-30-6 + Animal Disease <i>pre-2023 only</i></p> <p>HANV3S-30-6 Applied Research Project</p> <p>HANV4Y-15-6 Investigative Skills for the Successful Undergraduate</p> <p>HANV3L-15-6 Pharmacology</p> <p>HANV3H-15-6 Epidemiology <i>2025 onwards</i></p>	<p>HANV4T-15-6 Advanced Animal Microbiology</p> <p>HAGVQ5-15-6 Current Issues in Livestock Science <i>2025 onwards</i> OR HAGV7J-15-6 Developments in Livestock Production <i>Pre-2025 only</i></p> <p>HANV3G-15-6 Developments in Animal Science <i>pre-2026 only</i></p> <p>HANV3H-15-6 Epidemiology <i>pre-2025 only</i></p> <p>The modules listed may require evidence of pre-requisite learning in order to enrol on them.</p>	<p><u>BSc Animal Science</u></p> <p><u>BSc (Hons) Bioveterinary Science</u> Must include all core modules.</p>

Part time:

The part time student journey from entry through to graduation is individually negotiated with the student.

Part 4: Programme Learning Outcomes

Modules in bold are core modules and modules not emboldened are optional modules.

A denotes a module that assesses a learning outcome and B denotes a module aligned with a learning outcome.

	Immunology and Animal Disease	Pharmacology	Investigative Skills for the Successful Undergraduate	Applied Research Project	Epidemiology	Advanced Animal Microbiology	Current Issues in Livestock Science
Learning Outcomes:							
A) Knowledge and Understanding of:							
1. The problems and new insights in the field of bioveterinary science including issues pertaining to the area of diagnostic techniques and animal health.	A	A	A	A	B	A	
2. Anatomical, physiological and nutritional principles related to animal health and disease.		A			B		
3. The different modes of disease transmission, and the effects on individuals and populations.	A				A	B	
4. How to perform laboratory tests relevant to given situations and evaluate the validity of test results within the context of the clinical case.				B		A	
5. How established techniques of research and enquiry are used to create and interpret knowledge in the applied science discipline.	B	B	A	A	B	A	
B) Intellectual Skills							
1. Use problem solving skills and decision making strategies to support test results in the context of the clinical case.	A	A		B	B	A	

2. Use skills of reflection, evaluation and critical thinking to support effective diagnostic techniques in the bioveterinary context.	A			B		A	B
3. Demonstrate the ability to apply critical evaluation and informed decision making when undertaking diagnostic techniques in relation to animals both in health and sickness.	B	B		B	B	A	B
4. Demonstrate the ability to undertake sustained study applying deeper cognitive learning to an aspect of animal health / disease.	B	B		A	B	B	B
5. Critically evaluate an aspect of bioveterinary science based on systematic rigorous research processes which highlights both implications and recommendations for developing current and future diagnostic practice.	A	B	A	A	B	B	B
6. Demonstrate a commitment to continuing professional development and lifelong learning through the development of skills in relation to self -directed and independent study.	B	B	A	A	B	B	B
C) Performance and Practice							
1. Critically evaluate an aspect of bioveterinary science based on systematic rigorous research processes which highlights implications, recommendations and sustainable development within current and future practice.	A	A		A	B	B	
2. Undertake skilled and competent evaluative and practical bioveterinary skills				A	B	A	
3. Acknowledge diversity and communicate effectively, establishing professional and ethical relationships	B	A		B		B	
4. Maintain the standards and practices required of the industry	B	A			B	A	B
5. Work professionally with others as an effective team member.	B					B	
6. Recognise moral/ethical dilemmas and issues.		B		A	B		B
D) Setting, Personal and Enabling Skills							
1. Communicate effectively using a variety of means	A	A	A	A	A	A	A
2. Evaluate their own academic, vocational and professional performance supported by feedback and personal reflection			A	B			
3. Utilise problem solving skills in a variety of theoretical and practical situations			B	A		A	
4. Manage change effectively and respond to the evolving demands of the industry demands				A		A	
5. Take responsibility for personal and professional learning, wellbeing and career development			A	B			
6. Understand career opportunities and challenges ahead and begin to plan a career path			A	B			B
7. Use information management skills, for example, information technology, library resources, the use of information technology in the workplace.			A	A		B	

Part 5: Learning, Teaching and Assessment

Learning, Teaching and Assessment Journey:

The Bioveterinary Science programme utilises a mixture of teaching and assessment approaches, which aims to support the student to develop comprehensive knowledge and understanding of the principles of animal health and disease. Learning opportunities are varied, with students able to put theory into practice using the campus animal facilities and real-life situations and events. The teaching and learning strategies employed within modules aim to develop graduates who can recognise trends and patterns, and propose justified solutions to problems related to animal health and disease.

Students will experience a variety of assessments in the wide range of core and optional modules provided, including coursework, written examinations, oral presentations, case studies and project reports. These assessments will be focused on the practical application of knowledge to Bioveterinary contexts and will include a 'live brief', i.e. an assessment directly linked to a current issue in industry. The programme will have the following distinct features for each stage of delivery:

Stage 3: Delivery and assessment aims to provide students with opportunities to apply research and the skills they have developed into practice, facilitating individual specialisation within their chosen career path. The final stage concentrates on the individual development of the student and the expansion of their specialist career path. Taught content will focus on evaluation of emerging issues across the developing animal health industry and students will be encouraged to engage in critical review and evidence-based learning, with opportunities to put this into practice during industry or research focused projects. Students will enhance skills of reflection and application through engagement with industry, culminating in the assessment of a case study-based module, for reflective improvement and advancement of industry research and practice. In addition, students will have the option to engage in a range of assessments via optional modules that build on knowledge and skills from previous stages and reflects the industry requirements in those specific subject areas.

On the Bioveterinary Science programme, teaching is a mix of scheduled and independent learning. Throughout their studies, students are encouraged to engage with volunteering opportunities to develop their practice and subject knowledge. Students will develop an ethos for ethical, welfare-centred practice, with a strong focus on the improvement and refinement in the areas of animal health and disease.

Teaching will incorporate access to various resources onsite at the institution, including animal collection, farm, equine centre and the wider estate. During their research, students will be fully supported by academic staff, animal health and disease experts, laboratory staff and industry mentors. A range of equipment is available for students to develop their vocational skills in a safe teaching environment. This equipment is updated on a regular basis to reflect current practice in industry, and the needs of research activities. Classrooms are situated throughout the University, which allows for a seamless transfer between theory and practical activities. The teaching team have a high degree of industry-relevant experience that covers all aspects of the programme, and are actively engaged in research and knowledge exchange activities.

Students have access to the University Learning Hub to support their studies. Students can access a wide range of textbooks and journals alongside ICT facilities. There are dedicated areas for individual study, group study and a higher education flexible study zone. These facilities are all available to students to support their studies. Students with

specific learning requirements will be supported through the Achievement and Success Centre and Disability Services, which works with the individual student to facilitate them accessing support through government schemes, provides them with study advice to maximise their chances of success and where necessary guides them through applying for alternative means of assessment.

Careers: To support students' career preparations, personnel from the Innovation, Careers and Enterprise centre will provide students with opportunities to map progress towards chosen career paths and develop effective CVs or interview techniques. Industry professionals will also visit the institution on an annual basis, as part of an Animal Careers Insight day, to support students to develop their employability prospects and engage directly with employers. A range of online resources linked to employability will also be signposted to students via the programme's Moodle page, Innovations, Careers, and Enterprise team, and academic tutors. Tutors will typically offer subject specific careers advice through module sessions or within individual tutorials.

This programme will be assessed according to the approved Academic Regulations.

Students registered on this programme will have access to the Hartpury University support services.

The distinctive module used by the Programme Examination Board to inform recommending differential awards for students when considering borderline performance profiles will be:

Applied Research Project

Professional Accrediting Body documents to which this programme is mapped and or aligned: none

Assessment Map

		Type of Assessment*							
		Coursework	Report	Portfolio	Written Examination	Written Test	Practical Skills Examination	Practical Skills Assessment	Oral Assessment
Core Modules Stage 3	Investigative Skills for the Successful Undergraduate	B (50) Coursework				A (50) Test			
	Applied Research Project		A (100) Project Report						
	Immunology and Animal Disease	B (50) Coursework			A (50) Written Examination				
	Pharmacology								A (100) Poster Defence
	Epidemiology		A (100) Case Study Report						
Optional modules Stage 3	Current Issues in Livestock Science						A (100) Oral Examination		
	Advanced Animal Microbiology		A (100) Project Report						

*Indicative assessment types for new students enrolling on this programme after the date this specification takes effect (Part 1) are shown in terms of either **Coursework**, **Written Examination**, or **Practical Examination** as indicated by the colour coding above.

This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if they take full advantage of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of individual modules can be found through Hartpury's website (www.hartpury.ac.uk).

Approved Programme Amendment Log

Primary Programme Title:	BSc (Hons) Bioveterinary Science (Level 6 entry)
Programme Code:	BSHABVS6
Initial Approval Date:	02 November 2023

Changes:

23/04/2024: correction of typographical error

Part 5: Assessment Map – Component B assessment for Stage 3 / Level 6 core module Immunology and Animal Disease corrected from Essay to Coursework.

Outline Change Details: New programme: for administrative purposes, it has been decided to create separate programme specifications for the Level 6 entry course route, to ensure clarity.	
Approval Committee and Date:	CVC Chair's action 2023 11 02
Change approved with effect from:	01 September 2024
Resulting new version number:	1.0