

Programme Specification

Part 1: Basic Data			
Primary Programme Title	BSc (Hons) Environmental Science		
Target Award Titles	Mode and Typical Duration of Study	Professional Accrediting Body Links	Study Abroad / Exchange / Credit Recognition
BSc (Hons) Environmental Science	Stage 0 entry: Full time, 4 years, Part time, 8 years Stage 1 entry: Full time, 3 years, Part time, 6 years	Institute of Sustainability and Environmental Professionals (ISEP)	None
BSc (Hons) Environmental Science with integrated placement year	Stage 0 entry: Full time, 5 years, Part time, 9 years Stage 1 entry: Full time, 4 years, Part time, 7 years	Institute of Sustainability and Environmental Professionals (ISEP)	None
Interim Award Titles	BSc Environmental Science BSc Environmental Science with integrated placement year Diploma of Higher Education in Environmental Science Diploma of Higher Education in Animal Studies Certificate of Higher Education in Environmental Studies Certificate of Higher Education in Animal Studies Undergraduate Certificate in Environmental Studies Undergraduate Certificate in Animal Studies Undergraduate Award in Environmental Studies Undergraduate Award in Animal Studies Higher Education Foundation Certificate in Academic Skills Higher Education Foundation Award in Academic Skills		
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	BSHAEVSX		
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	22 January 2026	Due for Re-validation By	01 September 2030
Amendment Approval Date		Approved With Effect From	V1.0 - 01 September 2026
Professional Accrediting Body Approval Date	January 2026	Date For Re-accreditation	January 2027
Version	1.0		

Part 2: Programme Overview

As a BSc (Hons) Environmental Science graduate, the student has explored the intricate web of the natural environment and its far-reaching impacts on the world. Through interdisciplinary studies, they have gained a thoughtful understanding of how various scientific fields come together to address current environmental issues such as climate change and biodiversity loss. Independent critical thinking, ethical considerations, and solid intellectual integrity have marked their student experience. They have developed the ability to work autonomously and as part of a dynamic team during theory and applied sessions. They have engaged with research to stay current with cutting-edge research and emerging technologies, enabling them to be innovative and offer solutions to pressing issues. This immersive experience in various diverse environments on the rural university campus, including farmland, watercourses, sports fields, buildings and woodland, has equipped them with applied practical skills and instilled a reflective sense of responsibility to apply their knowledge in real-world scenarios. Off-campus visits to local urban areas and major rivers have immersed students in real-world issues such as phosphate pollution and renewable energy. They are ready and willing to take on the challenges that lie ahead, equipped with the passion and determination to make a meaningful impact on a sustainable future, environmental stability and the well-being of society.

BSc (Hons) Environmental Science graduates who have completed an integrated placement year have gained significant industry experience during their studies. Through interdisciplinary studies, they have gained a thoughtful understanding of how various scientific fields come together to address current environmental issues such as climate change and biodiversity loss. Independent critical thinking, ethical considerations, and solid intellectual integrity have marked their student experience. They have developed the ability to work autonomously and as part of a dynamic team during theory and applied sessions. They have engaged with research to stay current with cutting-edge research and emerging technologies, enabling them to be innovative and offer solutions to pressing issues. This immersive experience in various diverse environments on the rural university campus, including farmland, watercourses, sports fields, buildings and woodland, has equipped them with applied practical skills and instilled a reflective sense of responsibility to apply their knowledge in real-world scenarios. Off-campus visits to local urban areas and major rivers have immersed students in real-world issues such as phosphate pollution and renewable energy. They are ready and willing to take on the challenges that lie ahead, equipped with the passion and determination to make a meaningful impact on a sustainable future, environmental stability and the well-being of society.

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

¹ these modules are accredited by a professional awarding body, but are not subject to variant regulations

^{AV} these modules are subject to additional and variant regulations but are not accredited

	Core Modules	Optional Modules	Target and Interim Awards
Stage 0	HANVQX-15-3 Academic Literacy for University Studies HANVFP-30-3 Animal Studies HANVQK-30-3 Biological Principles for Land-Based Scientists HANVRR-15-3 Exploring Current Concepts HANVRD-30-3 Professional Development in Practice	None	<u>Higher Education Foundation Award in Academic Skills</u> <u>Higher Education Foundation Certificate in Academic Skills</u>

<p style="text-align: center;">Stage 1</p>	<p>HANVP4-30-4 Genetics Evolution and Biodiversity</p> <p>HAGVT8-30-4 + Introduction to Environmental Science in Action</p> <p>HAGV77-15-4 Introduction to Sustainable Agriculture</p> <p>HANVN3-15-4 Principles of Ecology</p> <p>HAGVSS-30-4 + The Physical Environment</p>	<p style="text-align: center;">None</p>	<p><u>Undergraduate Award in Animal Studies</u></p> <p><u>Undergraduate Award in Environmental Studies</u> Must include The Physical Environment OR Introduction to Environmental Science in Action</p> <p><u>Undergraduate Certificate in Animal Studies</u></p> <p><u>Undergraduate Certificate in Environmental Studies</u> Must include The Physical Environment OR Introduction to Environmental Science in Action</p> <p><u>Certificate of Higher Education in Animal Studies</u></p> <p><u>Certificate of Higher Education in Environmental Studies</u> Must include The Physical Environment OR Introduction to Environmental Science in Action</p>
<p>To progress to stage 2 you must achieve at least 90 credits.</p>			
<p style="text-align: center;">Stage 2</p>	<p>HAGVUS-15-5 Climate Change</p> <p>HANV9D-30-5 Conservation Biology</p> <p>HAGVTL-15-5 + Environmental Pollution</p> <p>HAGVUE-15-5 + Geographical Information Systems</p> <p>HANVKV-15-5 Research Methods for Agriculture and Animal Scientists</p> <p>HAGVTY-30-5 + Sustainability in Practice</p>	<p style="text-align: center;">None</p>	<p><u>Diploma of Higher Education in Animal Studies</u></p> <p><u>Diploma of Higher Education in Environmental Science</u> Must include Environmental Pollution OR Climate Change OR Sustainability in Practice OR Geographical Information Systems</p>
<p style="text-align: center;">Optional year</p>	<p>HANVK6-15-5 Integrated Placement Year</p>		

	To progress to stage 3 you must achieve at least 210 credits.		
Stage 3	<p>HANVKS-45-6 + Animal and Agriculture Dissertation</p> <p>HAGVTM-15-6 + Mitigating and Controlling Environmental Pollution</p> <p>HAGVT9-30-6 + Resource Management for Sustainability</p> <p>HAGVT7-15-6 Sustainable Futures</p>	<p>HAGVMY-15-6 Agricultural Social Licence and One Health</p> <p>HAGVST-15-6 Environmental Data Science</p>	<p><u>BSc Environmental Science</u></p> <p><u>BSc Environmental Science with integrated placement year</u> <u>This must include HANVK6- 15-5.</u></p> <p><u>BSc (Hons) Environmental Science</u></p> <p><u>BSc (Hons) Environmental Science with integrated placement year</u> <u>This must include HANVK6- 15-5</u></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.

Learning Outcomes:	The Physical Environment	Genetics Evolution and Biodiversity	Introduction to Environmental Science in Action	Principles of Ecology	Introduction to Sustainable Agriculture	Research Methods for Agriculture and Animal Scientists	Environmental Pollution	Conservation Biology	Sustainability In Practice	Geographical Information Systems	Climate Change	Integrated Placement Year	Animal and Agriculture Dissertation	Sustainable Futures	Resource Management for Sustainability	Mitigating and Controlling Environmental Pollution	Environmental Data Science	Agricultural Social Licence and One Health
A) Knowledge and Understanding of:																		
1. The implications of global trends for the environment, society, the economy and organisations.	B	B	A	B	B		A	B	B		A				B	A	B	B
2. The principles of sustainable business and governance models in relation to all stakeholders	B		B		A		B	B	B					B	B	A	B	B
3. Environmental principles and their impact on stakeholders	B	B	A		B		B		B		A			A	B	A	B	B
4. Key environmental policy and legislation	A				A		A		A					B	B	B		
5. The appropriate methods and practice to improve sustainability.		B	B	B	B		B	B	A	A	A			B	A	B	A	

B) Intellectual Skills																			
1. Critically evaluate scientific theories and concepts commonly used in environmental science.		B	B	B	B	B	B		A		B			B	B	A	B		
2. Critically analyse research and data that underpin environmental science.		B				B	B		B	A			A	B	A	A	A		
3. Critically evaluate the science and strategies used to mitigate and solve environmental issues regarding sustainable development goals, climate change, legislation, and policy.				B		B	B	A		A				A	A	A	B		
4. Demonstrate the ability to apply informed decision-making in complex and unpredictable contexts in a range of sectors.		B		B		B	B	B	B	B	B		B		A	B	A		
C) Performance and Practice																			
1. Demonstrate the practical application of relevant tools, techniques and practices within the field of environmental science.	B	B	B		B		B	B	A	A					A	B	A		
2. Develop evidence-informed innovative solutions in the field of environmental science.	B				B			B	A					B	B	B			B
3. Apply the principles of human behaviour change to promote an enhanced, inclusive people management practice enabling the well-being of others.	B		B	B	B		B		B		A			A	A	B			A
4. Communicate effectively through written, digital and verbal means, including social media and alternative communications, with stakeholders, society, and organisations.	B	B	B	B	B	B	B	B	B	A	B		B	B	B	A	A		B
5. Demonstrate a commitment to continuing professional development and lifelong learning through the development of initiative, leadership and team skills concerning self-directed and independent study, developing an adaptable and flexible approach to study and work.	B	A	B	B	B	B	B	B	B	B	B		B	B	B	B	B		B

D) Setting, Personal and Enabling Skills																			
1. Prepare and present data to peers, stakeholders, society and organisations using various sources and techniques.	B					B	A		B	A			A	B	B	B	A		
2. Utilise problem-solving skills in a variety of theoretical and applied situations.	B	B		B	B	B	B	B	B	A	B		B	A	B	A	A	B	
3. Take responsibility for one's own and others' wellbeing, personal and professional learning and development, and setting realistic targets to achieve goals and responsibilities with a positive intent.		B	B				B	A	B		B			B	B	A		A	
4. Manage time effectively to prioritise workloads to meet targets and objectives.	B	B	B	B	B	B	B	B	B	A	B		A	B	B	A	B	B	
5. Possess the ability to work successfully both independently or as part of a team within the broad field of environmental science	B	B	B	B	B	B	B	B	B	A	B		B	B	B	A	B	B	
6. An appreciation of socio-cultural differences as a result of global differences in policy and practice	B					B					B			A		B			

Part 5: Learning, Teaching and Assessment

Learning, Teaching and Assessment Journey:

The BSc (Hons) Environmental Science programme uses a variety of teaching methods to help students develop a strong understanding of the scientific principles of environmental science. Opportunities to apply theory to practice may include working on the institution's rural campus, engaging with industry, and discussing relevant topical issues with contributors from a range of sectors. The teaching strategies within modules aim to support students as they prepare for different types of assessments, industry engagement, and research throughout the degree. Through these methods, students will develop their knowledge, practical and transferable skills, and applications aligned with organisational, industry and society requirements. Assessment is focused on industry-relevant tasks to prepare students for employment, ensuring they can handle complex problems related to environmental science and be ready for the workforce. Additionally, each student will be assigned an academic personal tutor at every stage of the programme.

The Environmental Science programme will have the following distinct, unique selling points for each year of delivery:

Stage 0: Delivery focuses on developing a foundation in scientific and academic knowledge alongside a grounding in employability skills.

The Foundation Year is designed to help students develop general study skills and gain specific knowledge in their chosen subjects. It also includes professional development activities to help students apply their skills and gain an early understanding of employment opportunities and the attributes needed for better employability. During the Foundation stage, students receive support to adjust to university studies through induction and academic personal tutoring activities, which help them develop essential skills for academic and professional success.

Stage 1: The delivery of this course is focused on providing a strong scientific foundation in environmental sciences and supporting students' academic and interpersonal skill development. Stage 1 emphasises developing fundamental knowledge of the physical environment, sustainability, sustainable agriculture, genetics, evolution, and biodiversity. Students will explore the main principles of ecology, gain an appreciation of global biodiversity, and understand how environmental scientists can contribute to mitigating and problem-solving future challenges.

These skills will be applied during laboratory and fieldwork on the Hartpury estate, supporting the development of practical skills expected of an environmental sciences graduate. Assessments are designed to support students' development in key academic skills appropriate to Stage 1, providing a range of assessment types to support their progression through the programme. This includes relevant reports, case study reports, and examinations, replicating basic industry requirements and ensuring students have the necessary knowledge to progress to Stage 2.

Students will also be encouraged to work systematically and produce artefacts that contribute to the Practical Skill Logbooks throughout the year. Written skills will receive feedback to allow students to build their intellectual skills to demonstrate their ability to analyse and evaluate research and practice. Students will receive formative feedback on their applied skills in the lab and field and summative feedback on the findings they produce as a result of these applied sessions.

Part 5: Learning, Teaching and Assessment

Stage 2: Delivery and assessment aim to consolidate the knowledge and skills developed in Stage 1. Students will continue to apply their knowledge and understanding through evidence-based learning and application into practice. Exploring real-world problems will be a particular focus at this level, especially in the context of the role of the scientist in shaping the environment and understanding the challenges presented as the planet continues to undergo change.

Experimental projects will enhance the laboratory and field work on Hartpury estate, allowing students to explore ideas further and concepts in practice. Some assessments at this stage will reflect this applied learning and allow students to demonstrate their knowledge and understanding via practical skills assessments. Optional modules allow students to begin to focus on their chosen career path, with choices to include participation in a field course or to focus more in-depth on climate change. Delivery will encourage students to develop their autonomy and engage in reflection and will reinforce the competencies developed in Stage 1.

Integrated Placement Year (optional): Students can further develop their employability and experience different real-world scenarios within the field of environmental science in a regional, national, or international environment. A reflective assessment encourages students to consider the impact of this experience and the skills gained.

Stage 3: The delivery and assessment aim to provide students with opportunities to apply their research and skills into practice, allowing them to specialise within their chosen career path. The final stage focuses on the individual development of the student and the expansion of their specialist career path. The taught content will concentrate on evaluating global issues, such as building a more sustainable future, addressing climate change, and managing resources. Optional modules will enable students to continue their chosen career path, with a focus on environmental pollution or a one-health approach to the environment. Students will be encouraged to engage in critical review and evidence-based learning, with opportunities to apply this during industry-based case studies or research-focused projects. Assessment will emphasise intellectual skills, challenging students to demonstrate their ability to critically evaluate, analyse, synthesise knowledge from various reliable sources, and contribute knowledge through their dissertation project.

Throughout their studies, students are encouraged to engage in volunteering opportunities to develop their practice and apply their subject knowledge to various real-life scenarios and issues.

Students will have access to various resources on-site at the institution, including laboratories, farms, and habitats on the wider estate. A range of equipment is available for students to develop their vocational skills in a safe teaching environment. This equipment is regularly updated to reflect current industry practices and the needs of research activities. The teaching team has a high degree of industry-relevant experience covering all aspects of the program, and they are actively engaged in research and knowledge exchange activities.

Students have access to the University Library to support their studies, where they can access a wide range of textbooks and journals (both printed and online) alongside ICT facilities. There are dedicated areas for individual and group study and a flexible study zone for higher education. These facilities are all available to students to support their studies. Students with specific learning requirements will be supported through the

Part 5: Learning, Teaching and Assessment

Achievement and Success Centre (ASC) and Disability Services, which work with the individual student to facilitate them accessing support through government schemes, provide 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, career department personnel 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 a 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 Employability, Skills and Careers 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:

Animal and Agriculture Dissertation

Professional Accrediting Body documents to which this programme is mapped and or aligned:

Programme has been mapped to ISEP

Assessment Map

		Type of Assessment*							Oral Assessment
		Coursework	Report	Portfolio	Written Examination	Written Test	Practical Skills Examination	Practical Skills Assessment	
Core Modules Stage 0	Academic Literacy for University Studies							A (100) Graduate Skills Logbook	
	Animal Studies				A (50) Written Examination				B (50) Group Oral Presentation with Questions, individually marked
	Biological Principles for Land-Based Scientists					B (50) Test Series		A (50) Practical Skills Logbook	
	Exploring Current Concepts	A1 (20) Coursework A2 (80) Essay Based on a Case Study							
	Professional Development in Practice			A (100) Industry Experience Portfolio					

Core Modules Stage 1	The Physical Environment					A (30) Fixed-Time Test		B (70) Practical Skills Logbook	
	Genetics Evolution and Biodiversity				A (50) Written Examination			B (50) Practical Skills Logbook	
	Introduction to Environmental Science in Action		B (60) Project Report						A (40) Poster Presentation
	Principles of Ecology		A (100) Poster Report						
	Introduction to Sustainable Agriculture								A (100) Oral Presentation with Questions
Core Modules Stage 2	Research Methods for Agriculture and Animal Scientists	A (50) Coursework				B (50) Test Series			
	Environmental Pollution		A (100) Case Study Report						
	Conservation Biology		B (50) Report		A (50) Seen Written Examination				
	Climate Change		A (100) Case Study Report						
	Sustainability in Practice		A (60) Case Study Report						B (40) Poster Presentation

	Geographical Information Systems							A (100) Practical Skills Logbook	
Optional Year	Integrated Placement Year			A (100) Industry Experience Portfolio					
Core Modules Stage 3	Animal and Agriculture Dissertation		A1 (90) Project Report					A2 (10) Practical Skills Assessment	
	Sustainable Futures			A (100) Coursework Portfolio					
	Resource Management for Sustainability						A (100) Oral Examination		
	Mitigating and Controlling Environmental Pollution		A (100) Report						
Optional Modules Stage 3	Environmental Data Science							A (100) Graduate Skills Logbook	
	Agricultural Social Licence and One Health		B (70) Project Report						A (30) Poster Defence

*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) Environmental Science
Programme Code:	BSHAEVSX
Initial Approval Date:	22 January 2026

Changes: *Most recent at the top of the page*

Outline Change Details: New programme.	
Approval Committee and Date:	CVC Chair's action 2026 01 22(from CVC 2024 10 18)
Change approved with effect from:	01 September 2025
Resulting new version number:	1.0