BSc (Hons) Environmental Science

Awarding institution	Bath Spa University
Teaching institution	Bath Spa University
School	School of Sciences
Department	Biology
Main campus	Newton Park
Other sites of delivery	Field sites as appropriate
Other Schools involved in delivery	None
Name of award(s)	Environmental Science
Qualification (final award)	BSc (Hons)
Intermediate awards available	CertHE, DipHE
Routes available	Single Honours
Professional Placement Year	Optional
Duration of award	3 years full-time (4 years with Professional Placement Year) 6 years part time

Modes of delivery offered	Campus-based
Regulatory Scheme [1]	Undergraduate Academic Framework
Exemptions from regulations/framework[2]	N/A
Professional, Statutory and Regulatory Body accreditation	The Royal Society of Biology
Date of most recent PSRB approval (month and year)	August 2024
Renewal of PSRB approval due (month and year)	August 2029
UCAS code	F900
Route code (SITS)	EVSPJ
Relevant QAA Subject Benchmark Statements (including date of publication)	Earth Sciences, Environmental Sciences and Environmental Studies (March 2022) Biosciences (March 2023)
Date of most recent approval	June 2020
Date specification last updated	March 2025

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[1] This should also be read in conjunction with the University's Qualifications Framework

[2] See section on 'Exemptions'

Exemptions

There are no exemptions

Programme Overview

Pollution, sea level rise, habitat destruction, flooding, loss of biodiversity, climate change ... arguably, there has never been a more pressing need to understand the environment and particularly the way humans affect it.

Building upon a thorough grounding in essential aspects of the subject in the first year, BSc (Hons) Environmental Science provides an excellent combination of the theory and practical application of important and topical aspects of Environmental Science. By appropriate mixing-and-matching of modules at all three years of the programme you can tailor-make a course that suits your own interests or career aspirations. Potential areas of specialisation include – but are not limited to – aquatic environments, ecological assessment, science communication, Earth systems, and environmental management. Such specialisation is accompanied by abundant opportunities to develop the practical aspects of the subject with laboratory and fieldwork on site and residential trips further afield.

During the course you will address real-life issues such as climate change, sustainability, conservation of biodiversity, environmental management, energy use, wastes management, environmental law, and protection and management of natural systems. Importantly, an Environmental Science education not only equips you for careers in the environmental sector, it also provides you with an excellent suite of skills that are highly prized by employers in many other areas of graduate employment. This programme has been accredited by the Royal Society of Biology following an independent and rigorous assessment. Accredited degree programmes contain a solid academic foundation in biological knowledge and key skills, and prepare graduates to address the needs of employers.

In summary: The programme gives you the opportunity to acquire knowledge, understanding and practical skills of Environmental Science, together with the specialised skills related to one or more sub-areas of the subject, in ways that enhance your intellectual development and your career options, particularly those with an environmental focus.

Programme Aims

1. Deliver a challenging, motivating and broad-based programme whereby you develop an informed understanding and awareness of the environment including knowledge of the relationships between concepts, evidence and practice
2. Enable you to understand the major environmental factors that influence distribution in the biological world, govern processes and patterns of landform and physical evolution and interact with aspects of human organisation, society, and practices
3. Deliver a programme in which you develop competence in intellectual and practical methodologies of environmental science, including collection, evaluation, analysis and interpretation of biological and geographic data/information along with appropriate verbal and written communication skills, and which enables you to focus on a specialised area of the subject via a required Dissertation
4. Enable the acquisition of transferable and specialist skills, knowledge and experience in order to prepare you for employment in a wide range of contexts within environmental science or for postgraduate study
5. Instil an enthusiasm for the subject and enhance your capacity to learn and to develop intellectual potential and critical analytical skills that will enable you to engage with life-long learning, be effective, contributing and adaptable members of society, and to appreciate the value of education
6. Develop your creativity as effective, innovative and adaptable members of a global society
7. Give you knowledge of contemporary developments in environmental science at local, national and international levels
8. Improve your career opportunities by encouraging engagement with external organisations to include volunteer and placement work, both locally and internationally, and to instil professional codes of conduct and ethics

Programme Intended Learning Outcomes (ILOs)

A Subject-Specific Skills and Knowledge

	Programme Intended Learning Outcomes (ILOs) **On Achieving Level 6**	**On Achieving Level 5**	**On Achieving Level 4**
A1	Systematic and conceptual understanding of key aspects of the discipline to devise and sustain arguments, and/or to solve problems, using ideas and techniques, some of which are at the forefront of the discipline, and to describe and comment upon particular aspects of current research, or equivalent advanced scholarship, in the discipline.	Critical understanding of fundamental processes in the discipline and the relationship between physical, biological and human aspects of the environment.	Sound knowledge of fundamental processes in the discipline and the relationship between physical, biological and human aspects of the environment.
A2	Ability to design and undertake research to answer a clearly-defined question within the discipline, and present and interpret relevant scholarly reviews and primary sources, critically evaluate arguments, assumptions, abstract concepts and data (that may be incomplete), and appreciate the uncertainty, ambiguity and limits of knowledge.	Critical understanding of research design and analysis, and interpret and present primary and secondary data.	Sound knowledge of need for research design and analysis, and interpretation and presentation of primary and secondary data.

A3	Practise safe and effective research and scholarly enquiry in the discipline, having due regard to risk assessment, relevant health and safety regulations, rights of access, and paying due attention to the impact of investigations on the environment and interested parties.	Understanding of need to practise safe and effective analytical laboratory practice and fieldwork, having regard to risk assessment, relevant health and safety regulations, rights of access, and paying due attention to the impact of investigations on the environment and interested parties.	Sound knowledge of need to practise safe and effective analytical laboratory practice and fieldwork, having regard to risk assessment, relevant health and safety regulations, rights of access, and paying due attention to the impact of investigations on the environment and interested parties.
A4	Apply methods and techniques learned to review, consolidate, extend and apply knowledge and understanding in the discipline.	Understanding of need to observe and record accurately in the laboratory, natural and built environments, including collecting and recording data using appropriate techniques.	Sound knowledge of need to observe and record accurately in the laboratory, natural and built environments, including collecting and recording data using appropriate techniques.
A5	Identify and accurately deploy techniques of analysis to frame appropriate questions to achieve a solution – or identify a range of solutions – to a problem in the discipline.	Understanding of fieldwork skills in species identification, sampling and recording techniques, and use a range of field equipment to interpret spatial data, use new technologies.	Sound knowledge of use of fieldwork skills in species identification, sampling and recording techniques, and use of a range of field equipment to interpret spatial data, use new technologies.

B Cognitive and Intellectual Skills

	Programme Intended Learning Outcomes (ILOs) **On Achieving Level 6**	**On Achieving Level 5**	**On Achieving Level 4**

B1	Ability to assemble, analyse, evaluate and synthesise information from a variety of sources, and critically analyse relevant literature.	Understanding of how to assemble, analyse, evaluate and synthesise information critically from a variety of sources, and critically analyse literature within the discipline.	Sound knowledge of need to assemble, analyse, evaluate and synthesise information from a variety of sources, and analyse literature within the discipline.
B2	Ability to plan and execute independent research.	Critical understanding of how to plan and execute independent research.	Sound knowledge of requirement to plan and execute independent research.
B3	Ability to solve problems including collecting and integrating several lines of evidence to formulate and test hypotheses and models.	Critical understanding of how to solve problems including collecting and integrating several lines of evidence to formulate and test hypotheses and models.	Sound knowledge of necessity of solving problems including collecting and integrating several lines of evidence to formulate and test hypotheses and models.
B4	Ability to use subject-specific theories, examples, concepts and principles, and apply knowledge and understanding to address familiar and unfamiliar problems, and be aware of ethical issues.	Sound understanding of necessity to recognise and use subject-specific theories, examples, concepts and principles, and apply knowledge and understanding to address familiar and unfamiliar problems, and be aware of ethical issues.	Sound knowledge of necessity to recognise and use subject-specific theories, examples, concepts and principles, and apply knowledge and understanding to address familiar and unfamiliar problems, and be aware of ethical issues.

C Skills for Life and Work

	On achieving Level 6 you will be able to:	**On achieving Level 5 you will be able to:**	**On achieving Level 4 you will be able to:**
C1	**Work Independently** Exercise initiative, independence and personal responsibility to manage your own learning and time.	**Work Independently** Exercise independence and personal responsibility to manage your own learning and time.	**Work Independently** Manage your own learning and time.

C2	**Work with Others** Work collaboratively with others to achieve individual and common goals, solve problems creatively and build interpersonal relationships to flourish in a global workplace.	**Work with Others** Work collaboratively with others to achieve individual and common goals, solve problems creatively.	**Work with Others** Work collaboratively with others.
C3	**Communicate with Impact** Communicate clearly, effectively and impactfully with specialist and non-specialist audiences.	**Communicate with Impact** Communicate clearly and effectively with others.	**Communicate with Impact** Communicate accurately and reliably with others.
C4	**Demonstrate Digital Fluency** Use digital skills productively, critically and ethically to enhance creativity and communication.	**Demonstrate Digital Fluency** Use digital skills productively, critically and ethically.	**Demonstrate Digital Fluency** Use digital skills productively.

Programme content

This programme comprises the following modules

Key:

Core = C

Required = R

Required* = R*

Optional = O

Not available for this status = N/A

If a particular status is greyed out, it is not offered for this programme.

Subject offered as single and/or combined award

Environmental Science				Status	
Level	Code	Title	Credits	Single	Joint
4	BIO4000-20	Biological Techniques	20	C	
4	BIO4003-20	Ecology and the Diversity of Life	20	C	
4	GEO4103-20	Environmental Change	20	C	
4	GEO4000-20	Environment, People and Place	20	C	
4	BIO4104-20	Communicating Science	20	C	
4	GEO4105-20	Sustainable and Equitable Futures	20	C	
5	BIO5108-20	Conservation Ecology	20	C	
5	BIO5006-20	Environmental Management	20	C	
5	BIO5009-20	Research Skills for Environmental Science	20	C	
5	BIO5109-20	Microbiology Applications and Biotech	20	O	

5	BIO5107-20	Behavioural Ecology	20	O	
5	GEO5103-20	Geomorphology and Environmental Hazards	20	O	
5	GEO5104-20	Geographical Fieldwork: Hazards, disasters and sustainable development	20	O	
5	GEO5106-20	Climate Change, Energy and Society	20	O	
5	GEO5107-20	Geospatial Skills for Professional Practice	20	O	
5	EDU5103-20	Environment and Education	20	O	
5	PPY5100-120	Professional Placement Year	120	O	
6	BIO6000-20	Dissertation Planning	20	R*	
6	BIO6001-20	Dissertation Publication	20	R*	
6	GEO6000-40	Geography Dissertation	40	R*	
6	BIO6103-20	Animal Behaviour	20	O	
6	BIO6104-20	Plants and People	20	O	
6	BIO6002-20	Environmental Practice	20	C	
6	BIO6102-20	Wildlife Photography	20	O	
6	BIO6111-20	Marine Biology and Conservation	20	O	
6	BIO6110-20	Wildlife Conservation Field Course	20	O**	
6	BMA6105-20	Managing Sustainability	20	O	
6	GEO6106-20	Field Course in Climate Change, Water Resources and Sustainable Communities	20	O	
6	GEO6107-20	Understanding Disasters: Socio-political and geospatial analysis	20	O	
6	GEO6105-20	Coastal and River Management	20	O	
6	GEO6108-20	Extreme Climates and Environments	20	O	

At Level 6 students must take either Dissertation Planning AND Dissertation Publication, OR Geography Dissertation 1. It is not permissible to mix the two.

**Access to BIO6110-20 is subject to availability and preparatory work (see module descriptor)

Assessment methods

A range of summative assessment tasks will be used to test the Intended Learning Outcomes in each module. These are indicated in the attached assessment map that shows which tasks are used in which modules.

Students will be supported in their development towards summative assessment by appropriate formative exercises.

Please note: if you choose an optional module from outside this programme, you may be required to undertake a summative assessment task that does not appear in the assessment grid here in order to pass that module.

Work experience and placement opportunities

Environmental Science students are not required to undertake formal placements or work experience or placements as part of their course programme. However, we recognise the value of such experience to career development, and increasingly our students are keen to take this option.

The principal opportunity to undertake a placement experience related to your course in the 3-year programme is provided by optional Work Placement modules in L5 and L6. Staff will be able to help you with this through the industry and community contacts we have. The value of this experience is widely recognised by students and potential future employers.

At level 6, the optional 20-credit Environmental Practice also allows you to undertake work to a brief developed with an external organisation/industry. Past examples include project work with

B&NES [http://www.bathnes.gov.uk/], Kier MG [http://www.kier.co.uk/], Bristol Avon Rivers Trust [http://www.bristolavonriverstrust.org/], and Somerset Wildlife Trust [http://www.somersetwildlife.org/]/ Small Bros Farmers [http://www.warrenfarmsomerset.com/].

All of these opportunities can make great additions to your CV and enable you to network with people and organisations allied to your career ambitions.

This programme can also be taken as Professional Placement Year (PPY) pathway, which is studied over 4 years and includes a year-long work placement in a sector of your choice. The placement year is completed between years 2 and 3 of your degree and counts for 120 Level 5 credits. During this time, you will be able to utilise knowledge gained as part of your studies in a real work environment to gain 'hands on' experience. The University has a dedicated Careers & Employability team to help you find and prepare for a placement, as well as subject specialist PPY tutors within the Biology department. Following your placement year, you will return to University to complete your final year of study.

The establishment of a Professional Placement Year in the Environmental Science programme contributes to the realisation of the University's strategic plan. It strengthens the provision in that a year-long placement will help you to build networks and give you the opportunity to meet and work with potential employers after graduation. In addition, it will enable you to put into practice theory learnt from your first two years of study. The organisation of time and work that you will need to invest in a work placement will prepare you for their demands of the final year of the programme. For those taking the 4-year programme, the year out in professional practice provides an unparalleled opportunity to fully engage with a relevant career option as part of the course.

In addition to any work placements, all Environmental Science students have the opportunity to participate in Exchange programmes. These allow you to spend one semester studying abroad in either a European University or in one of our partner institutions further afield, with the help of our dedicated "GoGlobal" international support team.

Students are also regularly invited to help external consultants with such activities as bat surveys and great crested newt monitoring on site at the Newton Park campus. All of these opportunities help to enhance your CV and extend the range of practical activities – and acquisition of skills – beyond the taught curriculum.

Additional Costs Table

Module Code & Title	Type of Cost	Cost
BIO5108-20 Conservation Ecology	Contribution towards a residential field trip	Approx. £100
GEO5104-20 Geographical Fieldwork: Hazards, disasters and sustainable development	Contribution towards a residential international field trip of 8-9 days	Approx. £400-£900
EDU5103-20 Environment and Education	This module includes the option to enroll onto an additional course: DBS required; transport costs; payment of accredited course fees	Approx. £200
GEO6000-40 Geography Dissertation	Determined by the activity proposed by the student	
BIO6111-20 Marine Biology and Conservation	Contribution towards a residential field trip	Approx. £100-£150
GEO6106-20 Field Course in Climate Change, Water Resources and Sustainable Communities	Contribution towards an international fieldtrip.	Approx. £300-£800
BIO6110-20 Wildlife Conservation Field Course	Contribution towards a residential international fieldtrip	Approx. £2,500

Graduate Attributes

Graduate Attribute	While at Bath Spa, I will develop my ability to:	This programme will help me to do this through:
Confidently Self-Aware	Reflect on and recognise my unique skills, strengths, and values and be able to apply and articulate them in a range of different contexts.	Embedding reflective practice, and skills self-audit starting at Level 4. Providing regular feedback on progress, through both formative and summative assessment to foster confidence. Ensuring students are aware of where support is available. Scaffolding learning & assessment and gradually increasing levels of independence required from students to succeed with assessment tasks from L4 to L6.
Emotionally Attuned	Be mindful of how my actions and emotions impact those around me so I can better navigate difficult situations and build effective interpersonal relationships.	Enabling frequent within-programme interactions with other students, in practical or fieldwork settings as well as in-class discussions and debates within agreed boundaries. Facilitating peer-support for completing assignments. Encouraging a supportive student community both within and outside of timetabled sessions. Facilitating the development of a cohesive programme identity.

Inclusive Collaborator	Contribute independently to collaborative projects while working effectively with others, valuing diversity and respecting individual differences.	Embedding group working opportunities and teaching students how to work effectively within a team. Enabling multidisciplinary group working opportunities. Embedding employability skills and client networking exercises into teaching and assessment.
Adaptable Innovator	Embrace challenges, taking risks where needed and applying individual and collective problem solving.	Embedding problem solving tasks at all levels across the curriculum. Providing project management opportunities from L4 onwards, including the final year empirical Dissertation project. Students autonomously and collectively plan projects, experiments and research and complete them to deadlines. Creative approaches to assessments encourage risk taking and stepping outside of students' comfort zone.
Critical Thinker	Keep an open mind, ask curious questions and think creatively to gain a deeper and broader understanding of global perspectives and the world around me.	Including critical thinking in multiple assessments and specifically teaching and assessing this component at Level 5 and 6. Considering and exploring varying, global perspectives on issues such as sustainability and nature conservation. Encouraging questioning of previous studies, established knowledge and principles, and recognising their limitations.

Forward Thinker	Set goals, plan ahead and utilise resources to support my personal ambitions and achieve my own version of success.	Supporting and scaffolding the development of planning skills from Level 4. Assessing specific project planning and timeline development skills within a group at level 5 and individually at Level 6. Regularly providing students with opportunities to assess their progress and get support when needed. Assessment deadlines are provided at the start of the Semester to enable sufficient planning to take place.
Ethical Leader	Act with empathy, making decisions grounded in ethical principles while advocating for sustainability and positive social change.	Covering key professional and legal frameworks such as sustainable development, planning and environmental regulations. Ensuring students have an ethical awareness of issues within the Environmental Sciences, for example in the fields of sustainability, development and conservation. Ethical, professional practice is embedded in the curriculum and assessed where appropriate. This forms a key part of research projects and ethical assessments are completed where required.

Responsible Self-Starter	Be accountable for my actions and decisions while demonstrating creativity, proactivity, and a focus on solutions.	Providing students with clear guidance on how to approach assessments, so they can demonstrate independence. Ensuring students gain progressively and develop their skills with increasing autonomy as they move through the course. Support is available where needed but students will need to be proactive to take advantage of this, both within the programme itself and also utilising the central support provided by the University. Academic Advisor meetings support self-assessment of progress. Students are exposed to real-world client relationship scenarios and given opportunities to learn from to the experiences of alumni and other successful self-starters.
Compassionately Resilient	Respond to setbacks with a reflective and positive attitude, flexibility and a self-caring approach.	Providing students with opportunities to reflect on progress. Ensuring students know where and how to get the relevant support, so ensure they are confident within themselves. Providing very clear guidance on expectations as clarity fosters positivity and the ability to be flexible. Students are made aware of and encouraged to seek support from wider central services to further support their wellbeing.

Digitally Resourceful	Utilise and responsibly leverage existing and emerging technologies to solve problems and communicate.	Building confidence in use of digital resources including specialist software and communication tools. Developing and then assessing students' ability to use fundamental digital skills to collect, analyse and display data. Alongside standard computing resources such as Microsoft Office, students are introduced to specialist software within a number of modules, including statistical analysis software, such as R and JASP, and subject specific resources, including GIS. Adobe Creative Suite is available to all students and is used in assessments in key modules. Ethical use of AI is also embedded and clear guidance provided on how this can be used for each assessment.

Modifications

Module-level modifications

Code	Title	Nature of modification	Date(s) of approval and approving bodies	Date modification comes into effect
SOC6000-20	Sociology Dissertation 1	Change to module status	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO4101-20	Sustainability in Life and Work	Change to module status	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20

BIO4104-20	Communicating Science	Change to module status	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
EDU5103-20	Environment and Education	Change to module status	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
BIO6105-20	Marine Biology	Module deleted	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO6006-20	Environmental Change	Module deleted	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO5003-20	River and Coastal Systems	Module deleted	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO6004-20	Climatology	Module deleted	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO5100-20	Hazards, Vulnerability and Resilience	Module deleted	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO6005-20	River Management	New module	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2020/21
BIO4104-20	Communicating Science	Change to module status	Curriculum Committee (fixed Level 4 project) June 2020	2021/22
GEO4104-20	Sustainability in Life and Work	Change to module status	Curriculum Committee (fixed Level 4 project) June 2020	2020/21

BIO5102-20	Biology Work Placement	Change to assessment	Approved via Chair's action 01/12/2020	2021/22
GEO5005-20	Geotechnologies for Society and Environment	Change to module status	Approved via Chair's action 01/12/2020	2021/22
BIO5003-20	Ecology and Biodiversity	Assessment change	Approved via Chair's action 01/12/2020	2021/2022
GEO6103-20	Geographical Fieldwork (L6 variant)	New module	Approved via Chair's action 21/12/2020	2021/2022
BMA6105-20	Managing Sustainability	New module	Approved via Chair's action 06/12/2021	2022/2023
BIO4000-20	Biological Techniques	Updates to Assessment	Curriculum Approval Panel Chair's Action August 2024	2024/25
BIO4003-20	Ecology and Diversity of Life	Updates to ILOs	Curriculum Approval Panel Chair's Action August 2024	2024/25
BIO5009-20	Research Skills for Environmental Science	Updates to ILOs	Curriculum Approval Panel Chair's Action August 2024	2024/25
BIO4104-20	Communicating Science	Updates to Syllabus, ILOs, assessments	Sciences SQMC December 2024	2025/26
BIO4003-20	Ecology & Diversity of Life	Change to assessment weightings	Sciences SQMC December 2024	2025/26
BIO5108-20	Conservation Ecology	Updates to ILOs	Sciences SQMC December 2024	2025/26
BIO6002-20	Environmental Practice	Change to assessment	Sciences SQMC December 2024	2025/26
BIO6111-20	Marine Biology & Conservation	Change to assessment weightings	Sciences SQMC December 2024	2025/26

GEO4000-20	Environment, People and Place	Change to assessment	Sciences SQMC December 2024	2025/26
GEO5103-20	Geomorphology and Environmental Hazards	Change to assessment	Sciences SQMC December 2024	2025/26
GEO6105-20	Coastal and River Management	Change to assessment	Sciences SQMC December 2024	2025/26
BIO6102-20	Wildlife Photography	Updates to syllabus/ learning and teaching activities/assessment tasks	Sciences SQMC March 2025	2025/26

Programme-level modifications

Nature of modification	Date(s) of approval and approving bodies	Date modification comes into effect
GEO4001-20 Geographical Skills replaced with GEO4103-20 Environmental Change	Curriculum Approval Panel December 2023	2024/25
BIO5003-20 Ecology and Biodiversity replaced with BIO5108-20 Conservation Ecology	Curriculum Approval Panel December 2023	2024/25
BO5004-20 Applied Microbiology replaced with BIO5109-20 Microbial Applications and Biotech	Curriculum Approval Panel December 2023	2024/25
GEO5101-20 Geographical Fieldwork replaced with GEO5104-20 Geographical Fieldwork: Hazards, disasters and sustainable development	Curriculum Approval Panel December 2023	2024/25
PSY5110-20 Environmental Psychology and Sustainability deleted	Curriculum Approval Panel December 2023	2024/25
BIO6111-20 Marine Biology and Conservation added as an Optional module	Curriculum Approval Panel December 2023	2024/25
GEO6100-20 Advanced Geographical Fieldwork replaced with GEO6104-20 Advanced Geographical Fieldwork: Society, culture and environment	Curriculum Approval Panel December 2023	2024/25
GEO6103-20 Geographical Fieldwork (L6 variant) deleted	Curriculum Approval Panel December 2023	2024/25

GEO6005-02 River Management replaced with GEO6105-20 Coastal and River Management	Curriculum Approval Panel December 2023	2024/25
Programme Aims Updates	Curriculum Approval Panel Chair's Action August 2024	2024/25
GEO4101-20 Sustainability in Life and Work replaced by GEO4105-20 Sustainable and Equitable Futures	Curriculum Approval Panel December 2024	2025/26
BIO5102-20 Biology Work Placement deleted	Curriculum Approval Panel December 2024	2025/26
BIO5107-20 Behavioural Ecology added as optional	Curriculum Approval Panel December 2024	2025/26
GEO5004-20 Climate and Society replaced by GEO5106-20 Climate Change, Energy and Society	Curriculum Approval Panel December 2024	2025/26
GEO5005-20 Geotechnologies for Society and Environment replaced by GEO5107-20 Geospatial Skills for Professional Practice	Curriculum Approval Panel December 2024	2025/26
BIO6110-20 Wildlife Conservation Field Course added as Optional	Curriculum Approval Panel December 2024	2025/26
GEO6104-20 Advanced Geographical Fieldwork: Society, Culture and Environment replaced by GEO6106-20 Field Course in Climate Change, Water Resources and Sustainable Communities	Curriculum Approval Panel December 2024	2025/26
GEO6101-20 Disaster Risk reduction replaced by GEO6107-20 Understanding Disasters: Socio-political and geospatial analysis	Curriculum Approval Panel December 2024	2025/26
GEO6108-20 Extreme Climates and Environments added as Optional	Curriculum Approval Panel December 2024	2025/26

Attached as appendices:

1. Programme structure diagram
2. Map of module outcomes to level/programme outcomes
3. Assessment map
4. Module descriptors

Appendix 1: Programme Structure Diagram - BSc (Hons) Environmental Science

Single Honours	
Level 4	
Semester 1	**Semester 2**
Core Modules	
BIO4000-20 Biological Techniques GEO4000-20 Environment, People and Place BIO4104-20 Communicating Science	BIO4003-20 Ecology and the Diversity of Life GEO4103-20 Environmental Change GEO4105-20 Sustainable and Equitable Futures
Rule Notes: N/A	
Level 5	
Core Modules	
BIO5108-20 Conservation Ecology BIO5009-20 Research Skills for Environmental Science	BIO5006-20 Environmental Management
Optional Modules	
BIO5109-20 Microbiology Applications and Biotech GEO5103-20 Geomorphology and Environmental Hazards GEO5107-20 Geospatial Skills for Professional Practice	BIO5107-20 Behavioural Ecology GEO5104-20 Geographical Fieldwork: Hazards, disasters and sustainable development GEO5106-20 Climate Change, Energy and Society EDU5103-20 Environment and Education
Rule Notes: N/A	
Optional Professional Placement Year 120 credits	
Level 6	
Core Modules	
BIO6002-20 Environmental Practice	
Required* Modules	

Single Honours	
BIO6000-20 Dissertation Planning GEO6000-40 Geography Dissertation (year-long)	BIO6001-20 Dissertation Publication GEO6000-40 Geography Dissertation (year-long)
Optional Modules	
BIO6104-20 Plants and People BIO6110-20 Wildlife Conservation Field Course** GEO6107-20 Understanding Disasters: Socio-political and geospatial analysis GEO6108-20 Extreme Climates and Environments BMA6105-20 Managing Sustainability	BIO6103-20 Animal Behaviour BIO6111-20 Marine Biology and Conservation BIO6102-20 Wildlife Photography GEO6105-20 Coastal and River Management GEO6106-20 Field Course in Climate Change, Water Resources and Sustainable Communities
Rule Notes: At Level 6 students must take either **BOTH** Dissertation Planning **AND** Dissertation Publication, **OR** Geography Dissertation. ** Access to BIO6110-20 is subject to availability and preparatory work (see module descriptor)	

Appendix 2: Map of Intended Learning Outcomes

Level	Module Code	Module Title	Status (C,R,R*,O) [4]	Intended Learning Outcomes												
				Subject-specific Skills and Knowledge					Cognitive and Intellectual Skills				Skills for Life and Work			
				A1	A2	A3	A4	A5	B1	B2	B3	B4	C1	C2	C3	C4
4	BIO4000-20	Biological Techniques	C	X		X	X	X	X	X			X	X	X	X
4	BIO4003-20	Ecology and the Diversity of Life	C	X	X	x	X	x	X	X	X			X	X	X
4	GEO4103-20	Environmental Change	C	X	X	X	X	X	X		X	X		X	X	X
4	GEO4000-20	Environment, People and Place	C	X	X	X	X	X	X		X		X	X	X	X
4	BIO4104-20	Communicating Science	C		X				X		X		X	X	X	X
4	GEO4105-20	Sustainable and Equitable Futures	C		X	X	X	X			X	X	X	X		X
5	BIO5108-20	Conservation Ecology	C	X	X	X	X	X	X		X	X		X	X	X
5	BIO5006-20	Environmental Management	C	X		X	X	X	X		X	X	X	X	X	X
5	BIO5009-20	Research Skills for Environmental Science	C		X		X	X		X	X	X	X	X	X	X

5	BIO5109-20	Microbiology Applications and Biotech	C		X	X	X	X		X	X	X			X		
5	GEO5103-20	Geomorphology and Environmental Hazards	O	X		X		X	X		X	X	X		X	X	
5	GEO5107-20	Geospatial Skills for Professional Practice	O	X		X		X	X				X	X	X	X	
5	GEO5104-20	Geographical Fieldwork: Hazards, disasters and sustainable development	O	X		X		X	X		X	X	X	X	X	X	
5	GEO5106-20	Climate Change, Energy and Society	O	X		X	X		X	X	X	X	X	X	X	X	
5	EDU5103-20	Environment and Education	O			X	X						X			X	
5	BIO5107-20	Behavioural Ecology	O		X	X	X	X	X		X	X	X	X	X	X	
5	PPY5100-120	Professional Placement Year	O										X	X	X	X	
6	BIO6000-20	Dissertation Planning	R*		X			X	X	X		X	X		X	X	
6	BIO6001-20	Dissertation Publication	R*	X	X	X	X	X		X	X	X	X	X	X	X	
6	GEO6000-40	Geography Dissertation	R*	X	X	X	X	X	X	X	X	X	X	X	X	X	
6	BIO6103-20	Animal Behaviour	O		X	X	X	X	X		X	X	X	X	X	X	

6	BIO6104-20	Plants and People	O						X				X	X	X	X
6	BIO6002-20	Environmental Practice	C	X		X		X	X				X	X	X	X
6	BIO6102-20	Wildlife Photography	O										X		X	X
6	BIO6111-20	Marine Biology and Conservation	O	X	X	X	X	X	X	X	X	X	X	X		
6	BIO6110-20	Wildlife Conservation Field Course	O	X	X		X		X	X		X			X	
6	GEO6107-20	Understanding Disasters: Socio-political and geospatial analysis	O	X		X			X		X	X	X	X	X	X
6	GEO6105-20	Coastal and River Management	O	X		X		X	X		X	X	X	X	X	X
6	GEO6106-20	Field Course in Climate Change, Water Resources and Sustainable Communities	O	X	X	X	X	X	X		X	X	X	X	X	X
6	GEO6108-20	Extreme Climates and Environments	O	X	X	X		X	X			X	X	X	X	X
6	BMA6105-20	Managing Sustainability	O	X	X	X	X	X	X	X	X	X	X	X	X	X

[4] C = Core; R = Required (i.e. required for this route); R* = Required*; O = Optional

Appendix 3: Map of Summative Assessment Tasks by Module

Level	Module Code	Module Title	Status (C,R,R*, O) [5]	Assessment method																	
				Coursework						Practical										Written Examination	
				Dissertation	Essay	Project Report or Briefing paper	(Reflective) Log or Notebook	Review	Proposal	Practical Report or Scientific Paper	Production blog	Practical/Digital Skills	Oral or Poster Presentation	Stand-alone poster	Portfolio	Creative/Photographic/ Film piece	Field Report	Research Proposal	Written Examination	In-class test (unseen)
4	GEO 4000-20	Environment, People & Place	C		1x								1x							
4	GEO 4103-20	Environmental Change	C							1x			1x							

4	BIO 4000 -20	Biological Techniques	C							1x		1x								
4	BIO 4003 -20	Ecology and the Diversity of Life	C										1x		1x					
4	BIO 4104 -20	Communicating Science	C									1x			1x					
4	GEO 4105 -20	Sustainable and Equitable Futures	C				1x						1x							
5	BIO 5108 -20	Conservation Ecology	C										1x		1x					
5	BIO 5006 -20	Environmental Management	C							1x			1x							

5	BIO 5009 -20	Research Skills for Environmental Science	C							1x			1x							
5	BIO 5109 -20	Microbial Applications and Biotech	O					1x					1x							
5	GEO 5107 -20	Geospatial Skills for Professional Practice	O			1x				1 x										
5	GEO 5106 -20	Climate Change, Energy and Society	O			1x							1x							

5	GEO 5103 -20	Geomorphology and Environmental Hazards	O							1x			1x						
5	GEO 5104 -20	Geographical Fieldwork: Hazards, disasters and sustainable development	O										1x				1x		
5	EDU 5103 -20	Environment and Education	O										1x		1x				
5	BIO 5107 -20	Behavioural Ecology	O						1x	1x									

5	PPY 5100 -120	Professional Placement Year	O						1x						1x				
6	BIO 6000 -20	Dissertation Planning	R*					1x	1x										
6	BIO 6001 -20	Dissertation Publication	R*	1x									1x						
6	GEO 6000 -40	Geography Dissertation	R*	1x															
6	BIO 6103 -20	Animal Behaviour	O						1x	1x									
6	BIO 6104 -20	Plants and People	O					1x						1x					
6	BIO 6002 -20	Environmental Practice	C			1x									1x				

6	BIO 6102 -20	Wildlife Photography	O							1x					1x					
6	BIO 6111 -20	Marine Biology & Conservation	O												1x	1x				
6	BIO 6110 -20	Wildlife Conservation Field Course	O												1x	1x				
6	GEO 6107 -20	Understanding Disasters: Socio-political and geospatial analysis	O			1x				1x										

6	GEO 6105 -20	Coastal and River Manag ement	O			2x													
6	GEO 6106 -20	Field Course in Climat e Change , Water Resour ces and Sustain able Comm unities	O		1 x								1x						
6	GEO 6108 -20	Extrem e Climat es and Enviro nments	O									1x	1x						
6	BM A61 05- 20	Managi ng Sustain ability	O			1x	1x												

[5] C = Core; R = Required (i.e. required for this route); R* = Required*; O = Optional