

## Programme Specification: Undergraduate

### For Academic Year 2026/27

#### 1. Course Summary

<b>Names of programme and award title(s)</b>	BSc (Hons) Sustainability and Environmental Management BSc (Hons) Sustainability and Environmental Management with International Year (see annex) BSc (Hons) Sustainability and Environmental Management with Work Placement Year (see annex)
<b>Award type</b>	Single Honours
<b>Mode of study</b>	Full-time
<b>Framework of Higher Education Qualification (FHEQ) level of final award</b>	Level 6
<b>Normal length of the programme</b>	3 years; 4 years with either the International Year or Placement Year between years 2 and 3
<b>Maximum period of registration</b>	The normal length as specified above plus 3 years
<b>Location of study</b>	Keele Campus
<b>Accreditation (if applicable)</b>	Institution of Environmental Science (IES) and the Institute of Environmental Management and Assessment (IEMA) (Pending)
<b>Regulator</b>	Office for Students (OfS)
<b>Tuition Fees</b>	<p><b>UK students:</b></p> <p>Fee for 2026/27 is £9,790*</p> <p><b>International students:</b></p> <p>Fee for 2026/27 is £18,200**</p> <p>The fee for the international year abroad is calculated at 15% of the standard year fee</p> <p>The fee for the work placement year is calculated at 20% of the standard year fee</p>

**How this information might change:** Please read the important information at <http://www.keele.ac.uk/student-agreement/>. This explains how and why we may need to make changes to the information provided in this document and to help you understand how we will communicate with you if this happens.

\* These fees are regulated by Government. We reserve the right to increase fees in subsequent years of study in response to changes in government policy and/or changes to the law. If permitted by such change in policy or law, we may increase your fees by an inflationary amount or such other measure as required by government policy or the law. Please refer to the accompanying Student Terms & Conditions. Further information on fees can be found at <http://www.keele.ac.uk/studentfunding/tuitionfees/>

\*\* These fees are for new students. We reserve the right to increase fees in subsequent years of study by an inflationary amount. Please refer to the accompanying Student Terms & Conditions for full details. Further information on fees can be found at <http://www.keele.ac.uk/studentfunding/tuitionfees/>

## 2. What is a Single Honours programme?

The Single Honours programme described in this document allows you to focus more or less exclusively on this subject. In keeping with Keele's commitment to breadth in the curriculum, the programme also gives you the opportunity to take some modules in other disciplines and in modern foreign languages as part of a 360-credit Honours degree. Thus it enables you to gain, and be able to demonstrate, a distinctive range of graduate attributes.

## 3. Overview of the Programme

As the world faces the critical challenges of climate change, resource depletion, and environmental degradation, the demand for skilled professionals in sustainability is greater than ever. This program will equip you with the expertise and skills essential to addressing these pressing issues through a comprehensive understanding of environmental science, policy, and management.

The Sustainability and Environmental Management BSc bridges the gap between theory and practice, integrating key concepts from ecology, environmental science, geography, and social sciences. You will delve into topics such as sustainable resource management, clean technology and renewable energy, environmental impact assessment, and environmental change. Our curriculum goes beyond classroom instruction, emphasising hands-on fieldwork, collaborative projects, and real-world problem-solving. Situated on Keele's unique rural campus, renowned as a leader in sustainability, you will engage in immersive learning experiences that foster critical thinking and practical skills.

Furthermore, the program emphasises the importance of interdisciplinary collaboration and global perspectives, preparing you to become leaders and innovators in the pursuit of a sustainable future. Strong industry links provide opportunities for internships and networking, enabling you to apply theoretical knowledge in real-world settings and gain invaluable insights from industry experts. Whether you aspire to work in governmental agencies, non-profit organisations, or the private sector, you will be equipped with the tools and connections to make a significant impact.

This degree nurtures a new generation of environmental stewards through a dynamic blend of theoretical knowledge and experiential learning. Prepare to tackle the environmental challenges of the 21st century with confidence, making meaningful contributions to a more sustainable world.

## 4. Aims of the programme

The broad aims of the programme are to enable you to:

- **Develop Comprehensive Environmental Knowledge:** You will acquire a thorough understanding of ecological systems, environmental science, and sustainability principles, ensuring a robust foundation for addressing complex environmental issues.
- **Foster Critical Thinking and Problem-Solving Skills:** You will learn to think critically about environmental challenges and develop innovative, practical solutions for sustainable management practices and policies.
- **Promote Interdisciplinary Collaboration:** You will cultivate the ability to work across various disciplines by integrating knowledge from natural sciences and social sciences, fostering a holistic approach to sustainability and environmental management.
- **Enhance Practical and Fieldwork Experience:** You will be provided with hands-on learning opportunities through field trips, laboratory work, and internships, enabling students to apply theoretical knowledge to real-world environmental problems.
- **Encourage Ethical and Responsible Decision-Making:** The Programme instils a strong sense of environmental ethics and social responsibility, preparing you to make informed, ethical decisions that promote sustainability and environmental justice.
- **Prepare for Diverse Career Paths:** You will be equipped with the skills and knowledge necessary to pursue successful careers in various sectors, including government agencies, non-profit organisations, private industry, and academia, contributing to the advancement of sustainable practices worldwide.

## 5. What you will learn

The intended learning outcomes of the programme (what students should know, understand and be able to do at the end of the programme), can be described under the following headings:

- Subject knowledge and understanding
- Subject specific skills
- Key or transferable skills (including employability skills)

### Subject knowledge and understanding

You will be able to demonstrate knowledge and understanding of:

- KU1 (Sustainability and environmental management issues). Apply conceptual understanding of sustainability and environmental management issues to case studies and research design.
- KU2 (Sustainability and environmental management practice). Critically evaluate case studies of sustainability and environmental management practice in relation to theory and contributing scientific and social science disciplines.
- KU3 (Sustainability and environmental management theory). Demonstrate knowledge and understanding of sustainability and environmental management principles and their relation to fieldwork, research and assessment approaches.
- KU4 (Sustainability and environmental management approaches). Demonstrate knowledge and understanding of sustainability and environmental management principles and approaches in a range of contexts.
- KU5 (Interdisciplinary practice). Explain the principles of interdisciplinary practice and integrate different contributing disciplines including ecology, environmental science, geography and social sciences to address sustainability and environmental management issues.

In addition, if you choose to do the Work Placement Year, you will be able to:

- KU6 (Workplace competencies). Demonstrate employability and professional competence in the sustainability and environmental management sector.

In addition, if you choose to do the International year, you will be able to:

- KU10 (International practice). Demonstrate successful year-long international study of sustainability and environmental management at university level.

### **Subject specific skills**

You will be able to:

- SS1 (Field and laboratory skills). Employ a broad range of sustainability and environmental management fieldwork and laboratory skills, planning, risk assessment, and health and safety.
- SS2 (Data handling, analysis and statistics). Use data handling, data analysis and statistics skills in a broad range of sustainability and environmental management applications.
- SS3 (Information Technology and GIS). Apply Information Technology and Geographic Information Systems (GIS) skills in a range of sustainability and environmental management contexts.
- SS4 (Critical thinking and information literacy). Demonstrate the ability to theorise sustainability and environmental management practice and relate applied work to conceptual frameworks.
- SS5 (Team working and project management). Demonstrate team working and project management skills including group work planning and coordination of team inputs.

In addition, if you choose to do the Work Placement Year, you will be able to:

- SS6 (Workplace conservation practice). Apply sustainability and environmental management skills in a workplace context.

In addition, if you choose to do the International year, you will be able to:

- SS9 (Global citizenship). Discuss, reflect upon, and explain cultural and international differences in approaches to academic study and sustainability and environmental management.

### **Key or transferable skills (including employability skills)**

You will be able to:

- TS1 (Employability and professional development). Take an adaptable, reflective, self-managed and motivated approach to study and work and to academic and professional development, demonstrating integrity, responsibility, independence, and recognition of professional codes of conduct and ethical considerations.
- TS2 (Theoretically underpinned and evidence-based practice). Make reasoned decisions and judgements addressing familiar and unfamiliar problems with reference to concepts and principles, synthesising a wide range of evidence types and using appropriate citation.
- TS3 (Data collection and analysis). Collect, process, interpret, summarise and present data of various types including from the field, laboratory, secondary evidence studies, the internet and prior research with appropriate planning using qualitative and quantitative techniques, computer software, statistical programmes and spreadsheets.
- TS4 (Teamwork). Work effectively as part of a team, recognising and respecting the viewpoints of others, to achieve an objective and evaluate the roles and development of team members including themselves.
- TS5 (Communication). Communicate effectively with a variety of audiences by written, spoken and graphical means using appropriate techniques and language, including the internet and audio-visual technology.

The Keele Graduate Attributes are the qualities (skills, values and mindsets) which you will have the opportunity to develop during your time at Keele through both the formal curriculum and also through co- and extra-curricular activities (e.g., work experience, and engagement with the wider University community such as acting as ambassadors, volunteering, peer mentoring, student representation, membership and leadership of clubs and societies). Our Graduate Attributes consist of four themes: **academic expertise, professional skills, personal effectiveness, and social, environmental and ethical responsibility**. You will have opportunities to engage actively with the range of attributes throughout your time at Keele: through your academic studies, through self-assessing your own strengths, weaknesses, and development needs, and by setting personal development goals. You will have opportunities to discuss your progress in developing graduate attributes with, for example, Academic Mentors, to prepare for your future career and lives beyond Keele.

## 6. How is the programme taught?

You will experience a range of learning and teaching methods used on the Programme, including:

- **Lectures** - in which the lecturer typically narrates an overview of intended learning outcomes, core concepts, literature and case studies to provide a framework for follow on reading, independent study and completion of assignments.
- **Tutorials, seminars and workshops** - in which typically intended learning outcomes, core concepts, literature, and case studies can be discussed in depth, with you expected to play a full part in, and occasionally to lead these discussions.
- **Problem-solving classes** - in which you typically work collaboratively to apply knowledge and understanding to real-world scenarios and learn new concepts, with discussion and feedback from tutors scaffolding learning.
- **Practical and laboratory classes** - in which you typically learn and apply a range of practical techniques, usually to generate data that is then analysed and reported in an appropriate format that engages with subject knowledge and concepts.
- **Field courses** - in which you typically spend one or more days, often as a residential visit of 1-2 weeks, in an appropriate fieldwork location with staff to learn fieldwork and practical skills through application and to develop your knowledge and understanding of core concepts as applied to real-world scenarios.
- **Group presentations and linked discussion** - in which you will work collaboratively in small groups to analyse an issue, project, or assignment and communicate your findings to the wider class and staff through discussion and questioning.
- **Online learning** - in which the Keele Learning Environment (KLE) and other platforms typically provide you with access to a wide range of resources and tools, and a platform for online discussions, assignment submission, feedback, and announcements.

Apart from these formal activities, you are also provided with regular opportunities to talk through particular areas of difficulty and any special learning needs you may have with your Academic Mentors or module lecturers on a one-to-one basis.

These learning and teaching methods enable you to achieve the learning outcomes of the Programme in a variety of ways. For example:

- **Lectures** typically explain and structure the academic content of modules to engage you with the conceptual underpinnings of the subject and with examples and case studies, providing a basis for further independent study.
- **Tutorials, seminars and workshops** provide you with extensive learning space for discussion with staff and fellow students, developing critical thinking and communication skills.
- **Problem-solving classes** allow you to develop and apply theoretical knowledge and understanding.
- **Practical and laboratory classes** allow you to develop practical skills and to enrich and reinforce knowledge and understanding through application to relevant practical contexts.
- **Field courses** allow you to develop fieldwork, practical, data handling and teamwork skills by applying knowledge and understanding in various contexts.
- **Group presentations and linked discussion** allow you to develop critical thinking, information literacy, teamwork and communication skills, and reinforce your knowledge and understanding by application.
- **Online learning** will allow you to engage effectively with resources that support both independent study and the other formal learning and teaching methods above, as well as providing detailed guidance for the Programme and modules, electronic submission of assessments, and a means for receiving feedback on your work.

Formal learning and teaching activities provide the structure alongside which you will also carry out extensive independent study.

## 7. Teaching Staff

Sustainability and Environmental Management is a modular degree programme taught within the School of Geography, Geology and the Environment, which includes lecturers with expertise in Geography, Geology, Environmental Sciences and Sustainability. All teaching staff are actively involved in sustainability and

environmental management research and scholarship; most are internationally recognised experts.

There is a strong emphasis on enhancing your learning experience within the School of Geography, Geology and the Environment, which has developed a national reputation for its learning and teaching activities. The environment degree programmes at Keele have received several Keele Teaching Innovation Awards, and course developments have received external funding and recognition from the Higher Education Academy (HEA) Geography, Earth and Environmental Sciences subject centre, the HEA Education for Sustainable Development project and the Higher Education Funding Council for England. Several University and national awards for excellence in Learning and Teaching have been awarded to staff within the teaching team. Staff actively participate in teaching and learning activities. Many staff hold a Postgraduate Certificate qualification in Learning and Teaching in Higher Education or are Fellows of the Higher Education Academy (the professional body for teaching and learning in higher education). Several staff members are also actively involved with pedagogic research that seeks to identify ways to enhance your learning experience within the environment programmes.

The University will attempt to minimise changes to our core teaching teams, however, delivery of the programme depends on having a sufficient number of staff with the relevant expertise to ensure that the programme is taught to the appropriate academic standard.

Staff turnover, for example where key members of staff leave, fall ill or go on research leave, may result in changes to the programme's content. The University will endeavour to ensure that any impact on students is limited if such changes occur.

## **8. What is the structure of the Programme?**

The academic year runs from September to June and is divided into two semesters. The number of weeks of teaching will vary from course to course, but you can generally expect to attend scheduled teaching sessions between the end of September and mid-December, and from mid-January to the end of April. Our degree courses are organised into modules. Each module is usually a self-contained unit of study, and each is usually assessed separately with the award of credits based on 1 credit = 10 hours of effort. An outline of the Programme's structure is provided in the tables below.

There are two types of module delivered as part of your Programme. They are:

- Compulsory modules - A module that you are required to study during this course;
- Optional modules - These allow you to choose what to study from a list of modules.

### **Global Challenge Pathways**

This programme includes the option for you to take a Global Challenge Pathway. These modules offer you an exciting opportunity to work with students and staff from different disciplines to explore topical global issues such as power and conflict, health inequalities, climate change, generative AI, social justice, global citizenship, and enterprise from different perspectives.

Global Challenge Pathways can either be taken as one 15-credit module at Levels 4, 5 and 6, or one 15-credit module at Levels 5 and 6. For more information about our Global Challenge Pathways please visit:

<https://www.keele.ac.uk/study/undergraduate/globalchallengepathways/>

### **Modern Languages or Certificate in TESOL**

Alternatively, you could choose to study modules with the University Language Centre. The Language Centre offers three pathways; The Language Specialist, The Language Taster, and The Trinity Certificate in Teaching English to Speakers of Other Language (TESOL). Language Centre modules are available separately for students at Levels 4 and 5. At Level 6 they are included within the Global Challenge Pathways.

If you choose the Language Specialist pathway, you will automatically be enrolled on a Semester 2 Modern Language module as a continuation of your language of choice as a faculty funded 'additional' module. Undertaking a Modern Languages module in Semester 2 is compulsory if you wish to continue to the Language Specialist Global Challenge Pathway the following academic year.

For more information about Language Centre option modules available to you please visit the following webpages.

For Level 4 and 5 students please visit: <https://www.keele.ac.uk/study/languagecentre/languagecentreoptions/>

For Level 6 students please visit: <https://www.keele.ac.uk/students/academiclife/global-challenge-pathways/>

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For further information on the content of modules currently offered, please visit:

<https://www.keele.ac.uk/recordsandexams/modulecatalogue/>

A summary of the credit requirements per year is as follows.

Year	Compulsory	Optional	
		Min	Max
Level 4	90	30	30
Level 5	90	30	30
Level 6	60	60	60

## Module Lists

### Level 4

Compulsory modules	Module Code	Credits	Period
Planet Earth - Our Environment	ESC-10104	30	Semester 1
Academic, Professional and Field Skills	ESC-10101	30	Semester 1-2
Environment and Sustainability	ESC-10102	30	Semester 1-2

Optional modules	Module Code	Credits	Period
Conservation Policy and Practice	GEG-10021	15	Semester 2
Roots and Future: exploring sustainable places	GEG-10023	15	Semester 2

### Level 5

Compulsory modules	Module Code	Credits	Period
Geographic Information Science and Remote Sensing	ESC-20132	15	Semester 1
Human Impact on the Environment	ESC-20150	15	Semester 1
Environmental and Sustainability Impact Assessment: Methods and Research Design	ESC-20146	30	Semester 1-2
Water in the Environment	ESC-20100	15	Semester 2
Lake District Field Course	ESC-20144	15	Semester 2

Optional modules	Module Code	Credits	Period
Earth's Changing Landscapes	ESC-20110	15	Semester 1
Flexible Work Placement (Level 5)	NAT-20011	15	Semester 1-2
Environmental Analytical Methods	ESC-20032	15	Semester 2
Mobilities: Travel, tourism and sustainability	GEG-20052	15	Semester 2
Contemporary Business Ethics Debates	MAN-20209	15	Semester 2

## Level 5 Module Rules

Please note: You cannot take both Flexible Work Placement (Level 5) and Flexible Work Placement (Level 6).

Please note: ESC-20146 is a pre-requisite for ESC-30142

## Level 6

Compulsory modules	Module Code	Credits	Period
Independent Research Dissertation	ESC-30144	30	Semester 1-2
Sustainable Futures Consultancy	ESC-30148	30	Semester 1-2

Optional modules	Module Code	Credits	Period
Ecotoxicology and Risk Assessment	ESC-30056	15	Semester 1
Extinction!	ESC-30106	15	Semester 1
Quaternary Climate Change: from Ice Ages to a Warming World	ESC-30166	15	Semester 1
Animals and Society	GEG-30021	15	Semester 1
Sustainability in the Global South	GEG-30043	15	Semester 1
Tropical Biology Field Course	LSC-30066	15	Semester 1
Professional Environmental Field Skills	ESC-30142	30	Semester 1-2
Applied GIS	ESC-30152	30	Semester 1-2
Advanced Geographical Fieldwork	GEG-30051	15	Semester 1-2
Flexible Work Placement (Level 6)	NAT-30008	15	Semester 1-2
Professional Experience in Education	NAT-30012	15	Semester 1-2
Natural Hazards	ESC-30009	15	Semester 2
Clean Technology	ESC-30040	15	Semester 2
Blue Economy: sustainable futures with an ocean focus	ESC-30108	15	Semester 2

## Level 6 Module Rules

Please note: You cannot take both Flexible Work Placement (Level 5) and Flexible Work Placement (Level 6). You also cannot take both Flexible Work Placement (Level 6) and Professional Experience in Education.

Level 5 Environmental Analytical Methods required for level 6 Ecotoxicology and Risk Assessment

You can take either LSC-30066 or GEG-30051 (not both)

Sustainable Futures Consultancy, Flexible Work Placement (level 6), and Professional Experience in Education are barred combinations.

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## Learning Outcomes

The table below sets out what students learn in the programme and the modules in which that learning takes place. Details of how learning outcomes are assessed through these modules can be found in module specifications.

## Level 4

<b>Subject Knowledge and Understanding</b>	
<b>Learning Outcome</b>	<b>Module in which this is delivered</b>
KU1 (Sustainability and environmental management issues). Apply conceptual understanding of sustainability and environmental management issues to case studies and research design.	Environment and Sustainability - ESC-10102 Planet Earth - Our Environment - ESC-10104 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
KU2 (Sustainability and environmental management practice). Critically evaluate case studies of sustainability and environmental management practice in relation to theory and contributing scientific and social science disciplines.	Environment and Sustainability - ESC-10102 Planet Earth - Our Environment - ESC-10104 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
KU3 (Sustainability and environmental management theory). Demonstrate knowledge and understanding of sustainability and environmental management principles and their relation to fieldwork, research and assessment approaches.	Environment and Sustainability - ESC-10102 Planet Earth - Our Environment - ESC-10104 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
KU4 (Sustainability and environmental management approaches). Demonstrate knowledge and understanding of sustainability environmental management principles and approaches in a range of contexts.	Environment and Sustainability - ESC-10102 Planet Earth - Our Environment - ESC-10104 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
KU5 (Interdisciplinary practice). Explain the principles of interdisciplinary practice and integrate different contributing disciplines including ecology, environmental science, geography and social sciences to address sustainability and environmental management issues.	Environment and Sustainability - ESC-10102 Planet Earth - Our Environment - ESC-10104 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023

<b>Subject Specific Skills</b>	
<b>Learning Outcome</b>	<b>Module in which this is delivered</b>
SS1 (Field and laboratory skills). Employ a broad range of sustainability and environmental management fieldwork and laboratory skills, planning, risk assessment, and health and safety.	Academic, Professional and Field Skills - ESC-10101 Environment and Sustainability - ESC-10102 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
SS2 (Data handling, analysis and statistics). Use data handling, data analysis and statistics skills in a broad range of sustainability and environmental management applications.	Academic, Professional and Field Skills - ESC-10101 Environment and Sustainability - ESC-10102
SS3 (Information Technology and GIS). Apply Information Technology and Geographic Information Systems (GIS) skills in a range of sustainability and environmental management contexts.	Academic, Professional and Field Skills - ESC-10101 Environment and Sustainability - ESC-10102
SS4 (Critical thinking and information literacy). Demonstrate the ability to theorise sustainability and environmental management practice and relate applied work to conceptual frameworks.	Academic, Professional and Field Skills - ESC-10101 Environment and Sustainability - ESC-10102 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
SS5 (Team working and project management). Demonstrate team working and project management skills including group work planning and coordination of team inputs.	Academic, Professional and Field Skills - ESC-10101 Environment and Sustainability - ESC-10102 Planet Earth - Our Environment - ESC-10104 Roots and Future: exploring sustainable places - GEG-10023

<b>Key or Transferable Skills (graduate attributes)</b>	
<b>Learning Outcome</b>	<b>Module in which this is delivered</b>
TS1 (Employability and professional development). Take an adaptable, reflective, self-managed and motivated approach to study and work and to academic and professional development, demonstrating integrity, responsibility, independence, and recognition of professional codes of conduct and ethical considerations.	Academic, Professional and Field Skills - ESC-10101 Environment and Sustainability - ESC-10102 Planet Earth - Our Environment - ESC-10104 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
TS2 (Theoretically underpinned and evidence-based practice). Make reasoned decisions and judgements addressing familiar and unfamiliar problems with reference to concepts and principles, synthesising a wide range of evidence types and using appropriate citation.	Academic, Professional and Field Skills - ESC-10101 Environment and Sustainability - ESC-10102 Planet Earth - Our Environment - ESC-10104 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
TS3 (Data collection and analysis). Collect, process, interpret, summarise and present data of various types including from field and laboratory studies, the internet and prior research with appropriate planning using qualitative and quantitative techniques, computer software, statistical programmes and spreadsheets.	Academic, Professional and Field Skills - ESC-10101 Environment and Sustainability - ESC-10102
TS4 (Teamwork). Work effectively as part of a team, recognising and respecting the viewpoints of others, to achieve an objective and evaluate the roles and development of team members including themselves.	Academic, Professional and Field Skills - ESC-10101 Environment and Sustainability - ESC-10102 Planet Earth - Our Environment - ESC-10104 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
TS5 (Communication). Communicate effectively with a variety of audiences by written, spoken and graphical means using appropriate techniques and language, including the internet and audio-visual technology.	Academic, Professional and Field Skills - ESC-10101 Environment and Sustainability - ESC-10102 Planet Earth - Our Environment - ESC-10104 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023

## **Level 5**

<b>Subject Knowledge and Understanding</b>	
<b>Learning Outcome</b>	<b>Module in which this is delivered</b>
KU1 (Sustainability and environmental management issues). Apply conceptual understanding of sustainability and environmental management issues to case studies and research design.	Water in the Environment - ESC-20100 Geographic Information Science and Remote Sensing - ESC-20132 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150 Mobilities: Travel, tourism and sustainability - GEG-20052 Contemporary Business Ethics Debates - MAN-20209
KU2 (Sustainability and environmental management practice). Critically evaluate case studies of sustainability and environmental management practice in relation to theory and contributing scientific and social science disciplines.	Water in the Environment - ESC-20100 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150 Mobilities: Travel, tourism and sustainability - GEG-20052
KU3 (Sustainability and environmental management theory). Demonstrate knowledge and understanding of sustainability and environmental management principles and their relation to fieldwork, research and assessment approaches.	Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Mobilities: Travel, tourism and sustainability - GEG-20052 Contemporary Business Ethics Debates - MAN-20209
KU4 (Sustainability and environmental management approaches). Demonstrate knowledge and understanding of sustainability environmental management principles and approaches in a range of contexts.	Environmental Analytical Methods - ESC-20032 Geographic Information Science and Remote Sensing - ESC-20132 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Mobilities: Travel, tourism and sustainability - GEG-20052 Contemporary Business Ethics Debates - MAN-20209
KU5 (Interdisciplinary practice). Explain the principles of interdisciplinary practice and integrate different contributing disciplines including ecology, environmental science, geography and social sciences to address sustainability and environmental management issues.	Environmental Analytical Methods - ESC-20032 Water in the Environment - ESC-20100 Geographic Information Science and Remote Sensing - ESC-20132 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150 Mobilities: Travel, tourism and sustainability - GEG-20052 Contemporary Business Ethics Debates - MAN-20209

<b>Subject Specific Skills</b>	
<b>Learning Outcome</b>	<b>Module in which this is delivered</b>
SS1 (Field and laboratory skills). Employ a broad range of sustainability and environmental management fieldwork and laboratory skills , planning, risk assessment, and health and safety.	Environmental Analytical Methods - ESC-20032 Water in the Environment - ESC-20100 Geographic Information Science and Remote Sensing - ESC-20132 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150
SS2 (Data handling, analysis and statistics). Use data handling, data analysis and statistics skills in a broad range of sustainability and environmental management applications.	Environmental Analytical Methods - ESC-20032 Water in the Environment - ESC-20100 Geographic Information Science and Remote Sensing - ESC-20132 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146
SS3 (Information Technology and GIS). Apply Information Technology and Geographic Information Systems (GIS) skills in a range of sustainability and environmental management contexts.	Geographic Information Science and Remote Sensing - ESC-20132 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146
SS4 (Critical thinking and information literacy). Demonstrate the ability to theorise sustainability and environmental management practice and relate applied work to conceptual frameworks.	Environmental Analytical Methods - ESC-20032 Water in the Environment - ESC-20100 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150 Mobilities: Travel, tourism and sustainability - GEG-20052
SS5 (Team working and project management). Demonstrate team working and project management skills including group work planning and coordination of team inputs.	Environmental Analytical Methods - ESC-20032 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150 Mobilities: Travel, tourism and sustainability - GEG-20052 Contemporary Business Ethics Debates - MAN-20209

<b>Key or Transferable Skills (graduate attributes)</b>	
<b>Learning Outcome</b>	<b>Module in which this is delivered</b>

<b>Key or Transferable Skills (graduate attributes)</b>	
<b>Learning Outcome</b>	<b>Module in which this is delivered</b>
TS1 (Employability and professional development). Take an adaptable, reflective, self-managed and motivated approach to study and work and to academic and professional development, demonstrating integrity, responsibility, independence, and recognition of professional codes of conduct and ethical considerations.	Environmental Analytical Methods - ESC-20032 Water in the Environment - ESC-20100 Earth's Changing Landscapes - ESC-20110 Geographic Information Science and Remote Sensing - ESC-20132 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150 Mobilities: Travel, tourism and sustainability - GEG-20052 Contemporary Business Ethics Debates - MAN-20209
TS2 (Theoretically underpinned and evidence-based practice). Make reasoned decisions and judgements addressing familiar and unfamiliar problems with reference to concepts and principles, synthesising a wide range of evidence types and using appropriate citation.	Environmental Analytical Methods - ESC-20032 Water in the Environment - ESC-20100 Earth's Changing Landscapes - ESC-20110 Geographic Information Science and Remote Sensing - ESC-20132 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150 Mobilities: Travel, tourism and sustainability - GEG-20052 Contemporary Business Ethics Debates - MAN-20209
TS3 (Data collection and analysis). Collect, process, interpret, summarise and present data of various types including from field and laboratory studies, the internet and prior research with appropriate planning using qualitative and quantitative techniques, computer software, statistical programmes and spreadsheets.	Environmental Analytical Methods - ESC-20032 Geographic Information Science and Remote Sensing - ESC-20132 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146
TS4 (Teamwork). Work effectively as part of a team, recognising and respecting the viewpoints of others, to achieve an objective and evaluate the roles and development of team members including themselves.	Earth's Changing Landscapes - ESC-20110 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150 Contemporary Business Ethics Debates - MAN-20209
TS5 (Communication). Communicate effectively with a variety of audiences by written, spoken and graphical means using appropriate techniques and language, including the internet and audio-visual technology.	Environmental Analytical Methods - ESC-20032 Water in the Environment - ESC-20100 Earth's Changing Landscapes - ESC-20110 Geographic Information Science and Remote Sensing - ESC-20132 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150 Mobilities: Travel, tourism and sustainability - GEG-20052 Contemporary Business Ethics Debates - MAN-20209 Flexible Work Placement (Level 5) - NAT-20011

## **Level 6**

<b>Subject Knowledge and Understanding</b>	
<b>Learning Outcome</b>	<b>Module in which this is delivered</b>
KU1 (Sustainability and environmental management issues). Apply conceptual understanding of sustainability and environmental management issues to case studies and research design.	Natural Hazards - ESC-30009 Clean Technology - ESC-30040 Ecotoxicology and Risk Assessment - ESC-30056 Blue Economy: sustainable futures with an ocean focus - ESC-30108 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Sustainable Futures Consultancy - ESC-30148 Applied GIS - ESC-30152 Quaternary Climate Change: from Ice Ages to a Warming World - ESC-30166 Animals and Society - GEG-30021 Sustainability in the Global South - GEG-30043 Advanced Geographical Fieldwork - GEG-30051 Tropical Biology Field Course - LSC-30066 Flexible Work Placement (Level 6) - NAT-30008
KU2 (Sustainability and environmental management practice). Critically evaluate case studies of sustainability and environmental management practice in relation to theory and contributing scientific and social science disciplines.	Natural Hazards - ESC-30009 Ecotoxicology and Risk Assessment - ESC-30056 Extinction! - ESC-30106 Blue Economy: sustainable futures with an ocean focus - ESC-30108 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Sustainable Futures Consultancy - ESC-30148 Quaternary Climate Change: from Ice Ages to a Warming World - ESC-30166 Animals and Society - GEG-30021 Sustainability in the Global South - GEG-30043
KU3 (Sustainability and environmental management theory). Demonstrate knowledge and understanding of sustainability and environmental management principles and their relation to fieldwork, research and assessment approaches.	Ecotoxicology and Risk Assessment - ESC-30056 Extinction! - ESC-30106 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Sustainable Futures Consultancy - ESC-30148 Applied GIS - ESC-30152 Quaternary Climate Change: from Ice Ages to a Warming World - ESC-30166 Tropical Biology Field Course - LSC-30066
KU4 (Sustainability and environmental management approaches). Demonstrate knowledge and understanding of sustainability environmental management principles and approaches in a range of contexts.	Natural Hazards - ESC-30009 Clean Technology - ESC-30040 Ecotoxicology and Risk Assessment - ESC-30056 Extinction! - ESC-30106 Blue Economy: sustainable futures with an ocean focus - ESC-30108 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Sustainable Futures Consultancy - ESC-30148 Applied GIS - ESC-30152 Quaternary Climate Change: from Ice Ages to a Warming World - ESC-30166 Animals and Society - GEG-30021 Sustainability in the Global South - GEG-30043 Advanced Geographical Fieldwork - GEG-30051 Tropical Biology Field Course - LSC-30066
KU5 (Interdisciplinary practice). Explain the principles of interdisciplinary practice and integrate different contributing disciplines including ecology, environmental science, geography and social sciences to address sustainability and environmental management issues.	Blue Economy: sustainable futures with an ocean focus - ESC-30108 Independent Research Dissertation - ESC-30144 Sustainable Futures Consultancy - ESC-30148 Animals and Society - GEG-30021 Sustainability in the Global South - GEG-30043

<b>Subject Specific Skills</b>	
<b>Learning Outcome</b>	<b>Module in which this is delivered</b>
SS1 (Field and laboratory skills). Employ a broad range of sustainability and environmental management fieldwork and laboratory skills , planning, risk assessment, and health and safety.	Clean Technology - ESC-30040 Ecotoxicology and Risk Assessment - ESC-30056 Extinction! - ESC-30106 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Applied GIS - ESC-30152 Advanced Geographical Fieldwork - GEG-30051 Tropical Biology Field Course - LSC-30066 Flexible Work Placement (Level 6) - NAT-30008
SS2 (Data handling, analysis and statistics). Use data handling, data analysis and statistics skills in a broad range of sustainability and environmental management applications.	Clean Technology - ESC-30040 Ecotoxicology and Risk Assessment - ESC-30056 Extinction! - ESC-30106 Blue Economy: sustainable futures with an ocean focus - ESC-30108 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Sustainable Futures Consultancy - ESC-30148 Applied GIS - ESC-30152 Quaternary Climate Change: from Ice Ages to a Warming World - ESC-30166 Advanced Geographical Fieldwork - GEG-30051 Tropical Biology Field Course - LSC-30066
SS3 (Information Technology and GIS). Apply Information Technology and Geographic Information Systems (GIS) skills in a range of sustainability and environmental management contexts.	Independent Research Dissertation - ESC-30144 Applied GIS - ESC-30152 Advanced Geographical Fieldwork - GEG-30051
SS4 (Critical thinking and information literacy). Demonstrate the ability to theorise sustainability and environmental management practice and relate applied work to conceptual frameworks.	Natural Hazards - ESC-30009 Clean Technology - ESC-30040 Ecotoxicology and Risk Assessment - ESC-30056 Extinction! - ESC-30106 Blue Economy: sustainable futures with an ocean focus - ESC-30108 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Sustainable Futures Consultancy - ESC-30148 Applied GIS - ESC-30152 Quaternary Climate Change: from Ice Ages to a Warming World - ESC-30166 Animals and Society - GEG-30021 Sustainability in the Global South - GEG-30043 Advanced Geographical Fieldwork - GEG-30051 Tropical Biology Field Course - LSC-30066 Flexible Work Placement (Level 6) - NAT-30008 Professional Experience in Education - NAT-30012
SS5 (Team working and project management). Demonstrate team working and project management skills including group work planning and coordination of team inputs.	Ecotoxicology and Risk Assessment - ESC-30056 Blue Economy: sustainable futures with an ocean focus - ESC-30108 Independent Research Dissertation - ESC-30144 Sustainable Futures Consultancy - ESC-30148 Applied GIS - ESC-30152 Animals and Society - GEG-30021 Sustainability in the Global South - GEG-30043

<b>Key or Transferable Skills (graduate attributes)</b>	
<b>Learning Outcome</b>	<b>Module in which this is delivered</b>
<p>TS1 (Employability and professional development). Take an adaptable, reflective, self-managed and motivated approach to study and work and to academic and professional development, demonstrating integrity, responsibility, independence, and recognition of professional codes of conduct and ethical considerations.</p>	<p>Natural Hazards - ESC-30009  Clean Technology - ESC-30040  Ecotoxicology and Risk Assessment - ESC-30056  Extinction! - ESC-30106  Blue Economy: sustainable futures with an ocean focus - ESC-30108  Professional Environmental Field Skills - ESC-30142  Independent Research Dissertation - ESC-30144  Sustainable Futures Consultancy - ESC-30148  Applied GIS - ESC-30152  Quaternary Climate Change: from Ice Ages to a Warming World - ESC-30166  Animals and Society - GEG-30021  Sustainability in the Global South - GEG-30043  Advanced Geographical Fieldwork - GEG-30051  Tropical Biology Field Course - LSC-30066  Flexible Work Placement (Level 6) - NAT-30008  Professional Experience in Education - NAT-30012</p>
<p>TS2 (Theoretically underpinned and evidence-based practice). Make reasoned decisions and judgements addressing familiar and unfamiliar problems with reference to concepts and principles, synthesising a wide range of evidence types and using appropriate citation.</p>	<p>Natural Hazards - ESC-30009  Clean Technology - ESC-30040  Ecotoxicology and Risk Assessment - ESC-30056  Extinction! - ESC-30106  Blue Economy: sustainable futures with an ocean focus - ESC-30108  Professional Environmental Field Skills - ESC-30142  Independent Research Dissertation - ESC-30144  Sustainable Futures Consultancy - ESC-30148  Applied GIS - ESC-30152  Quaternary Climate Change: from Ice Ages to a Warming World - ESC-30166  Animals and Society - GEG-30021  Sustainability in the Global South - GEG-30043  Advanced Geographical Fieldwork - GEG-30051</p>
<p>TS3 (Data collection and analysis). Collect, process, interpret, summarise and present data of various types including from field and laboratory studies, the internet and prior research with appropriate planning using qualitative and quantitative techniques, computer software, statistical programmes and spreadsheets.</p>	<p>Clean Technology - ESC-30040  Ecotoxicology and Risk Assessment - ESC-30056  Extinction! - ESC-30106  Professional Environmental Field Skills - ESC-30142  Independent Research Dissertation - ESC-30144  Sustainable Futures Consultancy - ESC-30148  Applied GIS - ESC-30152  Advanced Geographical Fieldwork - GEG-30051  Tropical Biology Field Course - LSC-30066</p>
<p>TS4 (Teamwork). Work effectively as part of a team, recognising and respecting the viewpoints of others, to achieve an objective and evaluate the roles and development of team members including themselves.</p>	<p>Ecotoxicology and Risk Assessment - ESC-30056  Blue Economy: sustainable futures with an ocean focus - ESC-30108  Professional Environmental Field Skills - ESC-30142  Independent Research Dissertation - ESC-30144  Sustainable Futures Consultancy - ESC-30148  Animals and Society - GEG-30021  Sustainability in the Global South - GEG-30043  Advanced Geographical Fieldwork - GEG-30051</p>
<p>TS5 (Communication). Communicate effectively with a variety of audiences by written, spoken and graphical means using appropriate techniques and language, including the internet and audio-visual technology.</p>	<p>Blue Economy: sustainable futures with an ocean focus - ESC-30108  Independent Research Dissertation - ESC-30144  Sustainable Futures Consultancy - ESC-30148  Animals and Society - GEG-30021  Sustainability in the Global South - GEG-30043  Professional Experience in Education - NAT-30012</p>

## 9. Final and intermediate awards

Credits required for each level of academic award are as follows:

<b>BSc (Hons) Sustainability and Environmental Management</b>	360 credits	You will require at least 120 credits at levels 4, 5 and 6 You must accumulate at least 270 credits in your main subject (out of 360 credits overall), with at least 90 credits in each of the three years of study, to graduate with a named single honours degree in this subject.
<b>Diploma in Higher Education</b>	240 credits	You will require at least 120 credits at level 4 or higher and at least 120 credits at level 5 or higher
<b>Certificate in Higher Education</b>	120 credits	You will require at least 120 credits at level 4 or higher

**International Year option:** in addition to the above students must pass a module covering the international year in order to graduate with a named degree including the 'international year' wording. Students who do not complete, or fail the international year, will be transferred to the three-year version of the programme.

**Work Placement Year option:** in addition to the above students must pass a non-credit bearing module covering the work placement year in order to graduate with a named degree including the 'with Work Placement Year' wording. Students who do not complete, or fail the work placement year, will be transferred to the three-year version of the programme.

## 10. How is the Programme Assessed?

The wide variety of assessment methods used on this programme at Keele reflects the broad range of knowledge and skills that are developed as you progress through the degree programme. Teaching staff pay particular attention to specifying clear assessment criteria and providing timely, regular and constructive feedback that helps to clarify things you did not understand and helps you to improve your performance. The following list is representative of the variety of assessment methods used on your programme:

- Essay
- Literature Review
- Dissertation
- Reflective Diary
- Field Research Report
- Lab Report
- Podcast
- Placement
- Class Test
- Poster
- Presentation
- Research Proposal
- Project

Marks are awarded for summative assessments designed to assess your achievement of learning outcomes. You will also be assessed formatively to enable you to monitor your own progress and to assist staff in identifying and addressing any specific learning needs. Feedback, including guidance on how you can improve the quality of your work, is also provided on all summative assessments within three working weeks of submission, unless there are compelling circumstances that make this impossible, and more informally in the course of tutorial and seminar discussions.

## 11. Contact Time and Expected Workload

This contact time measure is intended to provide you with an indication of the type of activity you are likely to undertake during this programme. The data is compiled based on module choices and learning patterns of students on similar programmes in previous years. Every effort is made to ensure this data is a realistic representation of what you are likely to experience, but changes to programmes, teaching methods and assessment methods mean this data is representative and not specific.

Undergraduate courses at Keele contain an element of module choice; therefore, individual students will experience a different mix of contact time and assessment types dependent upon their own individual choice of modules. The figures below are an example of activities that a student may expect on your chosen course by year stage of study. Contact time includes scheduled activities such as: lecture, seminar, tutorial, project supervision, demonstration, practical classes and labs, supervised time in labs/workshop, fieldwork and external visits. The figures are based on 1,200 hours of student effort each year for full-time students.

## Activity

	<b>Scheduled learning and teaching activities</b>	<b>Guided independent Study</b>	<b>Placements</b>
<b>Year 1 (Level 4)</b>	26.8%	73.2%	0%
<b>Year 2 (Level 5)</b>	33%	65.8%	1.1%
<b>Year 3 (Level 6)</b>	24.5%	75.5%	0%

## 12. Accreditation

This programme is accredited by the Institution of Environmental Science (IES) and by The Institute of Sustainability and Environmental Professionals (ISEP) - formerly known as IEMA.

Successful completion of the programme will enable students to become Graduate members of the IES. Graduates will be able to upgrade from Student membership to GradISEP membership and make a fast-track application to PractitionerISEP membership.

## 13. University Regulations

The University Regulations form the framework for learning, teaching and assessment and other aspects of the student experience. Further information about the University Regulations can be found at:

<http://www.keele.ac.uk/student-agreement/>

If this programme has any exemptions, variations or additions to the University Regulations these will be detailed in an Annex at the end of this document titled 'Programme-specific regulations'.

## 14. What are the typical admission requirements for the Programme?

See the relevant course page on the website for the admission requirements relevant to this programme:

<https://www.keele.ac.uk/study/>

### English for Academic Purposes

Please note that if you are a new international student entering the University, you must provide a sample of Academic English during their registration. Using this sample, the Language Centre may allocate you to an English language module, which will become compulsory. This will replace any GCP modules. *NB:* you can take an EAP module only with the approval of the English Language Programme Director and are not able to take any other Language modules in the same academic year.

English Language Modules at Level 4:

- Business - ENL-90003 Academic English for Business Students (Part 1); ENL-90004 Academic English for Business Students (2)
- Science - ENL-90013 Academic English for Science Students
- General - ENL-90006 English for Academic Purposes 2; ENL-90001 English for Academic Purposes 3; ENL-90002 English for Academic Purposes 4

English Language Modules at Level 5:

- Business - ENL-90003 Academic English for Business Students (Part 1); ENL-90004 Academic English for Business Students (2)
- Science - ENL-90013 Academic English for Science Students
- General - ENL-90006 English for Academic Purposes 2; ENL-90001 English for Academic Purposes 3; ENL-90002 English for Academic Purposes 4

English Language Modules at Level 6:

- Business - ENL-90003 Academic English for Business Students (Part 1); ENL-90004 Academic English for Business Students (2); ENL-90005 Advanced Business English Communication
- Science - ENL-90013 Academic English for Science Students
- General - ENL-90006 English for Academic Purposes 2; ENL-90001 English for Academic Purposes 3; ENL-90002 English for Academic Purposes 4

**Recognition of Prior Learning (RPL)** is considered on a case-by-case basis, and if you are interested, you should contact the Programme Director. The University's guidelines on this can be found here: <https://www.keele.ac.uk/qa/programmesandmodules/recognitionofpriorlearning/>

## 15. How are students supported on the programme?

Support for your learning on the Programme is provided in the following ways:

- Student Experience and Support Officer (SESO): You have access and support from the SESO, who provides support throughout the undergraduate experience. The School administration team are also available to provide advice and guidance.
- Academic Mentors: You will be allocated an Academic Mentor for the duration of your studies as part of the University's Academic Mentoring system.
- Module Leaders: All module leaders and teaching staff can be accessed for subject-specific support and advice.
- Director of Programme: Wider programme-related advice is available from the Director of Programme.
- Use of e-learning/the Keele Learning Environment (KLE): All modules are supported by learning materials that are accessible to students via the KLE.
- Students with disabilities: If you suffer from a disability or medical problem, you will meet with a member of the University's Disability & Dyslexia Support service and the Disability Liaison Officer at the start of the Programme in order to discuss any special requirements. Procedures will then be implemented according to the nature of the your disability or medical problem. These procedures can range, for example, from allowing extra examination time for students diagnosed as dyslexic, to allocating additional staff or demonstrators to field classes to help students with mobility problems.

## 16. Learning Resources

- State-of-the-art Central Science Laboratory, which contains well-equipped research laboratories and computer suites.
- Bespoke analytical equipment in specialised labs and to take into the field
- "Living laboratory" of the University Campus
- University Library with excellent online and physical facilities
- Virtual online support for all modules through "Keele Learning Environment" (KLE)

## 17. Other Learning Opportunities

### Study Abroad (International Year)

A summary of the International Year, which is a potential option for students after completion of year 2 (Level 5), is provided in the Annex for the International Year.

### Work Placement Year

You can apply directly for the 4-year 'with Work Placement Year' degree programme or transfer onto the 4-year degree programme at the end of Year-1 and in Year-2 at the end of Semester 1. Students initially registered for the 4-year degree programme may transfer to the 3-year degree programme at any point in time, before undertaking their year-long placement. Eligibility rules are included in the Annex.

If you wish to take the work placement year, you should meet with the Programme Director to obtain their signature to confirm agreement before you will be allowed to commence their placement.

International students who require a Tier 4 visa must check with the Immigration Compliance Team prior to commencing any form of placement.

A summary of the Work Placement Year, which is a potential option for students after completion of year 2 (Level 5), is provided in the Annex for the Work Placement Year.

### Other opportunities

## 18. Additional Costs

### Mandatory costs

You can expect some additional costs as a student on this course, which may support learning activities, specialist equipment, fieldwork, placements, or other course-related requirements. Details of these mandatory costs are outlined below to help you plan accordingly.

## Field Course Costs

### COMPULSORY FIELD TRIPS:

You will undertake compulsory field courses as part of your studies - these are provided at no cost. The University provides significant financial support for the compulsory fieldwork elements of the degree programme, and the costs of travel and accommodation for compulsory field courses are fully paid for by the University up to and including Year 2.

### Optional costs

In addition to the mandatory costs listed below, there may be optional costs that students can choose to incur to enhance their learning experience. These are not required to complete the course. Details of these optional costs are outlined below to help you plan accordingly.

### OPTIONAL FIELD TRIPS:

In addition to compulsory field courses, the Programme offers an optional overseas field course in level 6. The University subsidises the cost of this, but you will incur additional costs for independently arranged travel. To help you manage their field course costs, the payments are spread over the course of the academic year in which you participate in the field course. The first instalment is non-refundable due to the need to prebook accommodation etc. in advance. The costs of field courses are indicated at the start of the year, with details clearly communicated to students.

### INDEPENDENT RESEARCH PROJECT

You must undertake an independent research project in your final year, which MAY include fieldwork. You are responsible for organising their own transport and accommodation and paying any costs incurred whilst conducting fieldwork. These costs are extremely variable as they depend on where you carry out their project. Costs are minimal if the project work is undertaken in the your local area.

**IMPORTANT:** You are expected to have adequate clothing for field trips. We reserve the right to change the venues of field courses due to both cost and academic considerations. Some field courses are fully or partly catered for. Others are self-catered, and you are expected to purchase meals (e.g., lunch and/or evening meal).

Activity	Estimated Cost
<b>Mandatory costs</b>	
Compulsory field courses (levels 4 and 5):	£0.00
Compulsory field courses (levels 4 and 5) - approx. £35 a day to cover subsistence costs for lunches and dinners.	£35 per day
Field Notebook(s):	£30
Waterproof and appropriate clothing and footwear for field courses :	£200
<b>Optional costs</b>	
Optional international field courses (level 6) - depending on destination	£250 - £700
Optional international field course - subsistence costs for lunches and dinners (estimated at £35 per day)	£35 per day
<b>Total estimated additional costs</b>	<b>£265 - £1,665</b>

These costs have been forecast by the University as accurately as possible but may be subject to change as a result of factors outside of our control (for example, increase in costs for external services). Forecast costs are reviewed on an annual basis to ensure they remain representative. Where additional costs are in direct control of the University we will ensure increases do not exceed 5%.

Students may also incur general expenses related to university study, such as for printing, textbooks and other materials. Students who undertake a placement may be responsible for additional costs, such as travel, accommodation, and subsistence costs. For further information, please refer to the [additional costs](#) information.

## 19. Quality management and enhancement

The quality and standards of learning in this programme are subject to a continuous process of monitoring, review and enhancement.

- The School Education Committee is responsible for reviewing and monitoring quality management and enhancement procedures and activities across the School.
- Individual modules and the programme as a whole are reviewed and enhanced every year in the annual programme review which takes place at the end of the academic year.
- The programmes are run in accordance with the University's Quality Assurance procedures and are subject to periodic reviews under the Revalidation process.

Student evaluation of, and feedback on, the quality of learning on every module takes place every year using a variety of different methods:

- The results of student evaluations of all modules are reported to module leaders and reviewed by the Programme Committee as part of annual programme review.
- Findings related to the programme from the annual National Student Survey (NSS), and from regular surveys of the student experience conducted by the University, are subjected to careful analysis and a planned response at programme and School level.
- Feedback received from representatives of students in all three years of the programme is considered and acted on at regular meetings of the Student Staff Voice Committee.

The University appoints senior members of academic staff from other universities to act as external examiners on all programmes. They are responsible for:

- Approving examination questions
- Confirming all marks which contribute to a student's degree
- Reviewing and giving advice on the structure and content of the programme and assessment procedures

Information about current external examiner(s) can be found here:

<http://www.keele.ac.uk/qa/externalexaminers/currentexternalexaminers/>

## 20. The principles of programme design

The programme described in this document has been drawn up with reference to, and in accordance with the guidance set out in, the following documents:

- a. UK Quality Code for Higher Education, Quality Assurance Agency for Higher Education: <http://www.qaa.ac.uk/quality-code>
- b. QAA Subject Benchmark Statement: [https://www.qaa.ac.uk/docs/qaa/sbs/sbs-earth-sciences-environmental-sciences-and-environmental-studies-22.pdf?sfvrsn=1cacdc81\\_6](https://www.qaa.ac.uk/docs/qaa/sbs/sbs-earth-sciences-environmental-sciences-and-environmental-studies-22.pdf?sfvrsn=1cacdc81_6)
- c. Keele University Regulations and Guidance for Students and Staff: <http://www.keele.ac.uk/regulations>
- d. Institution of Environmental Science (IES) accreditation: [Accreditation | www.the-ies.org](http://www.the-ies.org)
- e. Institute of Environmental Management and Assessment (IEMA): [IEMA - Universities](http://www.iema.net/universities)

## 21. Annex - International Year

### BSc (Hons) Sustainability and Environmental Management with International Year

<b>International Year Programme</b>
<p>Students registered for this Single Honours programme may either be admitted for or apply to transfer during their period of study at Level 5 to the International Year option. Students accepted onto this option will have an extra year of study (the International Year) at an international partner institution after they have completed Year 2 (Level 5) at Keele.</p> <p>Students who successfully complete both the second year (Level 5) and the International Year will be permitted to progress to Level 6. Students who fail to satisfy the examiners in respect of the International Year will normally revert to the standard programme and progress to Level 6 on that basis. The failure will be recorded on the student's final transcript.</p> <p>Study at Level 4, Level 5 and Level 6 will be as per the main body of this document. The additional detail contained in this annex will pertain solely to students registered for the International Year option.</p>
<b>International Year Programme Aims</b>

In addition to the programme aims specified in the main body of this document, the international year programme of study aims to provide students with:

1. Personal development as a student and a researcher with an appreciation of the international dimension of their subject
2. Experience of a different culture, academically, professionally and socially

### **Entry Requirements for the International Year**

Students may apply to the 4-year programme during Level 5. Admission to the International Year is subject to successful application, interview and references from appropriate staff.

The criteria to be applied are:

- Academic Performance (an average of 55% across all modules in Semester 1 at Level 5 is normally required. Places on the International Year are then conditional on achieving an average mark of 55% across all Level 5 modules. Students with up to 15 credits of re-assessment who meet the 55% requirement may progress to the International Year. Where no Semester 1 marks have been awarded performance in 1st year marks and ongoing 2nd year assessments are taken into account)
- General Aptitude (to be demonstrated by application for study abroad, interview during the 2nd semester of year 2 (Level 5), and by recommendation of the student's Academic Mentor, 1st and 2nd year tutors and programme director)

Students may not register for both an International Year and a Placement Year.

### **Student Support**

Students will be supported whilst on the International Year via the following methods:

- Phone or Skype conversations with Study Abroad tutor, in line with recommended Academic Mentoring meeting points.
- Support from the University's Global Education Team

### **Learning Outcomes**

In addition to the learning outcomes specified in the main text of the Programme Specification, students who complete a Keele undergraduate programme with International Year will be able to:

- Describe, discuss and reflect upon the cultural and international differences and similarities of different learning environments
- Discuss the benefits and challenges of global citizenship and internationalisation
- Explain how their perspective on their academic discipline has been influenced by locating it within an international setting.
- Apply their experiences abroad to the specific graduate attributes associated with their Sustainability and Environmental degree.
- Integrate, apply and develop fundamental sustainability principles to describe and explain phenomena and solve problems in the context of selected topics within sustainability science

These learning outcomes will all be assessed by the submission of a satisfactory individual learning agreement, the successful completion of assessments at the partner institution and the submission of the reflective portfolio element of the international year module.

### **Regulations**

Students registered for the International Year are subject to the programme-specific regulations (if any) and the University regulations. In addition, during the International Year, the following regulations will apply:

Students undertaking the International Year must complete 120 credits, which must comprise *at least 40%* in the student's discipline area.

This may impact on your choice of modules to study, for example you will have to choose certain modules to ensure you have the discipline specific credits required.

Students are barred from studying any module with significant overlap to the Level 6 modules they will study on their return. Significant overlap with Level 5 modules previously studied should also be avoided.

### **Additional costs for the International Year**

Tuition fees for students on the International Year will be charged at 15% of the annual tuition fees for that year of study, as set out in Section 1. The International Year can be included in your Student Finance allocation, to find out more about your personal eligibility see: [www.gov.uk](http://www.gov.uk)

Students will have to bear the costs of travelling to and from their destination university, accommodation, food and personal costs. Depending on the destination they are studying at additional costs may include visas, study permits, residence permits, and compulsory health checks. Students should expect the total costs of studying abroad be greater than if they study in the UK, information is made available from the Global Education Team throughout the process, as costs will vary depending on destination.

Students who meet external eligibility criteria may be eligible for grants as part of this programme. Students studying outside of this programme may be eligible income dependent bursaries at Keele.

Students travel on a comprehensive Keele University insurance plan, for which there are currently no additional charges. Some Governments and/or universities require additional compulsory health coverage plans; costs for this will be advised during the application process.

## **22. Annex - Work Placement Year**

### **BSc (Hons) Sustainability and Environmental Management with Work Placement Year**

#### **Work Placement Year summary**

Students registered for this programme may either be admitted for or apply to transfer during their studies to the 'with Work Placement Year' option (NB: for Combined Honours students the rules relating to the work placement year in the subject where the placement is organised are to be followed). Students accepted onto this programme will have an extra year of study (the Work Placement Year) with a relevant placement provider after they have completed Year 2 (Level 5) at Keele.

Students who successfully complete both the second year (Level 5) and the Work Placement Year will be permitted to progress to Level 6. Students who fail to satisfactorily complete the Work Placement Year will normally revert to the 3-year programme and progress to Level 6 on that basis. The failure will be recorded on the student's final transcript.

Study at Level 4, Level 5 and Level 6 will be as per the main body of this document. The additional detail contained in this annex will pertain solely to students registered for the Work Placement Year option.

#### **Work Placement Year Programme Aims**

In addition to the Programme aims specified in the main body of this document, the Work Placement Year aims to provide students with:

- Substantial experience of work with a relevant placement provider, including familiarisation with the professional working environment.
- The opportunity to apply academic theory to real situations in the work place and to expand your employability skills.

## Entry Requirements for the Work Placement Year

Admission to the Work Placement Year is subject to successful application, interview and references from appropriate staff. Students have the opportunity to apply directly for the 4-year 'with work placement year' degree programme, or to transfer onto the 4-year programme at the end of Year-1 and in Year-2 at the end of Semester 1. Students who are initially registered for the 4-year degree programme may transfer onto the 3-year degree programme at any point in time, prior to undertaking the year-long work placement. Students who fail to pass the work placement year, and those who fail to meet the minimum requirements of the work placement year module, (\* or equivalent, work placement), will be automatically transferred onto the 3-year degree programme.

\* We recommend where possible students undertake a placement of between 9 - 12 months on a full-time basis to maximize academic and personal growth. However, the Work Placement Year mandates a minimum of 24 weeks in duration, ideally on a full-time basis, but no less than 21 hours per week. This enables those undertaking an unpaid placement to work on a part-time basis alongside.

The criteria to be applied are:

- A good University attendance record and be in 'good academic standing'.
- Academic Performance (an average of 50% across all modules in Semester 1 at Level 5 is normally required. Places on the Work Placement Year are then conditional on achieving an average mark of 50% across all Level 5 modules. Students with up to 15 credits of re-assessment who meet the 50% requirement may progress to the Work Placement Year. Where no Semester 1 marks have been awarded performance in 1st year marks and ongoing 2nd year assessments are taken into account)
- Students undertaking work placements will be expected to complete a Health and Safety checklist prior to commencing their work experience and will be required to satisfy the Health and Safety regulations of the company or organisation at which they are based.
- (*International students only*) Due to visa requirements, it is not possible for international students who require a Tier 4 Visa to apply for direct entry onto the 4-year with Work Placement Year degree programme. Students wishing to transfer onto this programme should discuss this with student support, the academic tutor for the work placement year, and the Programme Lead. Students should be aware that there are visa implications for this transfer, and it is the student's responsibility to complete any and all necessary processes to be eligible for this programme. There may be additional costs, including applying for a new Visa from outside of the UK for international students associated with a transfer to the work placement programme.

Students may not register for both an International Year and a Work Placement Year.

## Student Support

Students will be supported whilst on the Work Placement Year via the following methods:

- Regular contact between the student and a named member of staff who will be assigned to the student as their University supervisor. The University supervisor will be in regular contact with the student throughout the year, and be on hand to provide advice (pastoral or academic) and liaise with the Placement supervisor on the student's behalf if required.
- Two formal contacts with the student during the placement year: the University supervisor will visit the student in their placement organization at around 5 weeks after the placement has commenced, and then visit again (or conduct a telephone/video call tutorial) at around 15 weeks into the placement.
- Weekly supervision sessions will take place with the placement supervisor (or his/her nominee) throughout the duration of the placement.

## Learning Outcomes

In addition to the learning outcomes specified in the main text of the Programme Specification, students who complete the 'with Work Placement Year' option will be able to:

- Evaluate their own employability skills.
- Create Intended Learning Outcomes for their placement in order to develop the skills areas which they have identified as needing further enhancement.
- Develop, through practice in the work place, the work-related skills identified in 1 and 2 above.
- Apply academic theory learned as part of their taught degree to real situations in the work place.
- Reflect on their work placement activities and evaluate the impact on their own employability skills.
- Explain how the sector of the placement operates and identify the skills required to pursue careers within the sector.

These learning outcomes will be assessed through the non-credit bearing Work Placement Year module (NAT-30010) which involves:

- Submission of a mid-placement portfolio comprising evaluation of employability skills and ILOs, action plan and an evaluation of the student's performance based on the placement supervisor's initial report.
- Submission of a final placement report comprising a reflective diary and an evaluation of the their performance based on the placement supervisor's final report.

## **Regulations**

Students registered for the 'with Work Placement Year' option are subject to programme-specific regulations (if any) and the University regulations. In addition, during the Work Placement Year, the following regulations will apply:

- Students undertaking the Work Placement Year must successfully complete the zero-credit rated module (NAT-30010).
- In order to ensure a high quality placement experience, each placement agency will sign up to a placement contract (analogous to a service level agreement).
- Once a student has been accepted by a placement organisation, the student will make a pre-placement visit and a member of staff identified within the placement contract will be assigned as the placement supervisor. The placement supervisor will be responsible for ensuring that the placement experience meets the agreed contract agreed with the University.
- The placement student will also sign up an agreement outlining his/her responsibilities in relation to the requirements of each organisation.

Students will be expected to behave professionally in terms of:

(i) conforming to the work practices of the organisation; and

(ii) remembering that they are representatives of the University and their actions will reflect on the School and have an impact on that organisation's willingness (or otherwise) to remain engaged with the placement.

## **Additional costs for the Work Placement Year**

Tuition fees for students on the Work Placement Year will be charged at 20% of the annual tuition fees for that year of study, as set out in Section 1. The Work Placement Year can be included in your Student Finance allocation; to find out more about your personal eligibility see: [www.gov.uk](http://www.gov.uk)

Students will have to bear the costs of travelling to and from their placement provider, accommodation, food and personal costs. Depending on the placement provider additional costs may include parking permits, travel and transport, suitable clothing, DBS checks, and compulsory health checks.

A small stipend may be available to students from the placement provider during the placement but this will need to be explored on a placement-by-placement basis as some organisations, such as charities, may not have any extra money available. Students should budget with the assumption that their placement will be unpaid.

Eligibility for student finance will depend on the type of placement and whether it is paid or not. If it is paid, this is likely to affect student finance eligibility, however if it is voluntary and therefore unpaid, should not affect student finance eligibility. Students are required to confirm eligibility with their student finance provider.

International students who require a Tier 4 visa should check with the Immigration Compliance team prior to commencing any type of paid placement to ensure that they are not contravening their visa requirements.

## Version History

### This document

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### Previous documents

Version No	Year	Owner	Date Approved	Summary of and rationale for changes
1.1	2025/26	FIONA WESTON	01 July 2025	B12 Accreditation details updated.
1	2025/26	JENNIFER CURRIE	01 April 2025	