

Programme Specification: Undergraduate

For Academic Year 2026/27

1. Course Summary

Names of programme and award title(s)	MSci Environmental Science and Geography MSci Environmental Science and Geography with International Year (see Annex for details) MSci Environmental Science and Geography with Work Placement Year (see Annex for details)
Award type	Single Honours (Masters)
Mode of study	Full-time
Framework of Higher Education Qualification (FHEQ) level of final award	Level 7
Normal length of the programme	4 years; 5 years with either the International Year or Placement Year between years 2 and 3
Maximum period of registration	The normal length as specified above plus 3 years
Location of study	Keele Campus
Accreditation (if applicable)	n/a
Regulator	Office for Students (OfS)
Tuition Fees	<p>UK students:</p> <p>Fee for 2026/27 is £9,790*</p> <p>International students:</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

This interdisciplinary programme in Environmental Science and Geography brings together two subjects that are very relevant for today's global societies with ever-increasing employment prospects and career opportunities. It provides an in-depth understanding of the Earth's physical processes and the complex interactions between the environment and human activity. Key areas of focus include climate change, environmental impact assessment, water resource management, ecotoxicology, and landscape evolution.

The first year introduces the fundamental principles of chemical, ecological, and geographical studies that form the foundation of environmental science and physical geography. This comprehensive introductory programme sets the stage for developing deeper knowledge, understanding, and skills. In the second year, the focus shifts to enhancing practical and research skills and gaining a more profound scientific understanding of various environmental issues. The final year offers students the flexibility to either specialize in a specific area or maintain a broad focus, while continuing to build on the essential skills and techniques of environmental science and physical geography. The programme culminates with an independent research project, allowing students to apply their acquired techniques and unleash their creativity by exploring a topic of their choice.

The programme emphasizes hands-on learning, with opportunities for fieldwork in diverse environments, placements with external organizations, and environmental skills training. Field courses vary from local-based activities to residential courses both in the UK and overseas (optional), including the opportunity to acquire essential professional qualifications in field identification. These experiences will equip you with the ability to analyze environmental data, conduct field investigations, and develop strategies for addressing environmental issues. You will also benefit from direct access to Keele's unique rural campus that provides multiple opportunities to study geographical features, ecosystems and sustainability initiatives on your doorstep.

You will be well-prepared for careers in environmental consultancy, land and water resource management, environmental monitoring, and policy-making. Additionally, the programme lays a strong foundation for those seeking advanced studies in environmental science, physical geography, or related disciplines. This degree fosters a comprehensive understanding of the Earth's physical environment and prepares students to contribute effectively to environmental sustainability and resilience.

The MSci Environmental Science and Geography is a four-year undergraduate Integrated Masters course primarily designed for those considering a career in Environmental Science or Environmental Science with a Geography focus and supports both vocational and academic interests. The course aims to provide an in-depth experience of Environmental Science and Geography.

The topics covered are at the forefront of the discipline along with training in research techniques, laboratory methods, computing techniques and other fundamental transferable skills. In particular, the fourth year will develop your independent research and project management skills and allow you to work and specialise in an area of Environmental Science and Geography of your choice.

4. Aims of the programme

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

- Develop a sound scientific understanding of the chemical and ecological sciences that underpin the field of environmental science and to be able to apply these to environmental problems.
- Develop a comprehensive knowledge and understanding of physical geography - including topics such as climate change, landforms, and ecosystems.
- Integrate scientific knowledge, and an awareness of social, economic and ethical issues, to address the management of the environment and tackle environmental problems such as climate change, water pollution, water resource scarcity and environmental pollution.
- Acquire a range of cognitive, generic, and transferable skills, including practical and technical skills and techniques appropriate to environmental science and geography, and to deploy these skills to tackle a range of environmental and geographical issues and problems.
- Enhance your skills in spatial thinking and develop technical skills in geographic information systems (GIS), remote sensing, and cartography to analyse and interpret spatial data effectively.
- Promote understanding of sustainable development principles, environmental stewardship, and the impact of human activities on natural systems, fostering a commitment to sustainable practices and policies.
- Critically assess different sources of information, to engage effectively in your own independent research, and to communicate ideas in a concise and effective way.
- Become an expert in specific areas of the discipline or particular interest and/or relevance to future career pathways.

- enable students to specialise in Environmental Science and Geography via a four-year Integrated Masters programme to obtain an in-depth experience of the subject, as well as gaining additional experience in independent research project work and key skills.

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

Successful students will be able to demonstrate knowledge and understanding of:

- The application of the ecological, biological, geological and chemical sciences to environmental science.
- The impact of human activity, particularly resource exploitation on the Earth's surface and near surface environments.
- Possible options for alternative solutions to environmental problems and their implications for nature and society.
- Environmental management issues in a range of different environments.
- The nature and causes of change and variability within physical environments.
- Patterns of spatial variation as dynamic characteristics of the physical environment.
- The process and application of a range of analytical techniques relevant to the analysis of the composition of different environmental media (including soil, water, vegetation).
- Different methodological strategies used in the observation, analysis, interpretation and representation of geographical information. the principles and applications of cutting-edge research methodologies and techniques in the study of Environmental Sciences and Geography to an advanced level; the context of their extended research project in relation to on-going research activity in their field of study and the wider subject area.
- Applications and limitations of geography in problem solving, equitable and sustainable development, and improving quality of life.
- How to implement sustainability and sustainable development practices in relation to the complex interactions between societies and environments.

In addition to those outcomes listed above, which are developed through to level 7, as appropriate, to an advanced level, MSci Environmental Science and Geography students will also be able to demonstrate advanced knowledge and understanding of:

- the principles and applications of cutting-edge research methodologies and techniques in the study of Environmental Sciences and Geography to an advanced level; the context of their extended research project in relation to on-going research activity in their field of study and the wider subject area.

Subject specific skills

Successful students will be able to:

- Plan, design and execute a piece of independent research in environmental geography, including production of a final report.
- Undertake effective fieldwork with due regard for safety and risk assessment
- Work safely in a scientific laboratory, with awareness of standard procedures
- Apply a range of ecological and chemical laboratory and field techniques to environmental issues
- evaluate possible options for alternative solutions to environmental problems
- Employ a variety of digital, statistical and laboratory-based methods for the collection and analysis of spatial and environmental information
- Effectively employ a range of specialist software to address a variety of geographical or environmental problems e.g. use of GIS software to visualise and analyse geographical data
- Communicate relevant ideas, principles and theories with flair, accuracy and sophistication by written, oral and graphical means.

In addition to those outcomes listed above, which are developed through to level 7, as appropriate, to an advanced level, MSci Environmental Science and Geography students will also:

- identify, engage with, and evaluate environmental information, issues and topics at the forefront of the discipline; critically evaluate current literature and complex methodologies to an advanced level in relevant

areas of contemporary Environmental Science and Geography.

Key or transferable skills (including employability skills)

Successful students will be able to:

- Organise individual pieces of knowledge or information of different types into connected systems of understanding.
- Assess the merits of contrasting theories, explanations and policies.
- Evaluate evidence and make critical judgements.
- Recognise their positionality and assumptions and critically evaluate the potential implications and consequences of them.
- Use communications and information technology with a high level of competence to select, analyse, present and communicate different forms of data and text.
- Synthesise complex information to inform reasoned arguments appropriate for specialist and non-specialist audiences.
- Take responsibility for their own learning and develop a habit of reflection upon that learning
- Work effectively as part of a team supporting participation of others within a group setting to achieve objectives.
- Evaluate evidence and make decisions that promote environmental and societal sustainability.
- Acquire professional qualifications relevant for a career in environmental sector

In addition to those outcomes listed above, which are developed through to level 7, as appropriate, to an advanced level, MSci Environmental Science and Geography students will also:

- develop greater autonomy in the planning and implementation of tasks associated with their research project and taking responsibility for their workload.

Keele Graduate Attributes

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?

Learning and teaching methods used on the programme vary according to the subject matter and level of the module. They include the following:

- Interactive lectures
- Field courses
- Practical classes
- Project work
- Seminars, group presentations and workshops
- Directed reading and independent study
- A research dissertation
- Individual and small-group consultancy
- Interactive online e-learning via the Keele Learning Environment (KLE)

MSci study at level 7 (fourth year): This will further develop your research skills in the critical evaluation of scientific literature, and an extended research project will give you the opportunity to design and conduct an in-depth research project in an area of Environmental Science and Geography, including formulating a complete research strategy and producing a grant proposal. Research skills in these areas will also be developed in a series of research seminars and journal club-style presentations/discussion in an Advanced Research Topics module.

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

7. Teaching Staff

Environmental Sciences and Geography 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 Environmental Science and Geography teaching staff are actively involved in research and/or scholarship and most are internationally recognised experts in their fields.

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 programme to programme, 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 on the basis of 1 credit = 10 hours of student effort. An outline of the structure of the programme 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 on this course;
- Optional modules - these allow you some limited choice of 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/>

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	105	15	15
Level 5	105	15	15
Level 6	30	90	90
Level 7	90	30	30

Options include the list of modules provided, plus a module from the GCP

Module Lists

Level 4

Compulsory modules	Module Code	Credits	Period
Planet Earth - Our Environment	ESC-10104	30	Semester 1
Human and Physical Geographies for a Changing World	GEG-10017	30	Semester 1
Academic, Professional and Field Skills	ESC-10101	30	Semester 1-2
Applied Environment and Sustainability	ESC-10105	15	Semester 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
Earth's Changing Landscapes	ESC-20110	15	Semester 1
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
Environmental Analytical Methods	ESC-20032	15	Semester 2
Lake District Field Course	ESC-20144	15	Semester 2

Optional modules	Module Code	Credits	Period
Flexible Work Placement (Level 5)	NAT-20011	15	Semester 1-2
Water in the Environment	ESC-20100	15	Semester 2
Geoethics and Environmental Justice	ESC-20142	15	Semester 2

Level 5 Module Rules

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

Optional modules	Module Code	Credits	Period
Ecotoxicology and Risk Assessment	ESC-30056	15	Semester 1
Extinction!	ESC-30106	15	Semester 1
Glacial Environments	ESC-30162	15	Semester 1
River Conservation & Management	ESC-30164	15	Semester 1
Quaternary Climate Change: from Ice Ages to a Warming World	ESC-30166	15	Semester 1
Tropical Biology Field Course	LSC-30066	15	Semester 1
Professional Environmental Field Skills	ESC-30142	30	Semester 1-2
Sustainable Futures Consultancy	ESC-30148	30	Semester 1-2
Applied GIS	ESC-30152	30	Semester 1-2
Flexible Work Placement (Level 6)	NAT-30008	15	Semester 1-2
Professional Experience in Education	NAT-30012	15	Semester 1-2
Clean Technology	ESC-30040	15	Semester 2
Blue Economy: sustainable futures with an ocean focus	ESC-30108	15	Semester 2
Environmental and Wildlife Forensics	FSC-30029	15	Semester 2
Advanced Geographical Fieldwork	GEG-30051	15	Semester 2

Level 6 Module Rules

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

Professional Environmental Field Skills and Advanced Geographical Fieldwork are barred combinations

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

You cannot take LSC-30066 and GEG-30051

Level 7

Compulsory modules	Module Code	Credits	Period
Literature Review and Grant Proposal	LSC-40065	30	Semester 1
MSci Extended Research Project	LSC-40063	60	Semester 1-2

Optional modules	Module Code	Credits	Period
Advanced Research Topics in Environmental Science and Sustainability	LSC-40167	30	Semester 1
Advanced Research Topics in Geography	LSC-40169	30	Semester 1

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

Subject Knowledge and Understanding	
Learning Outcome	Module in which this is delivered
The application of the ecological, biological, geological and chemical sciences to environmental science.	Academic, Professional and Field Skills - ESC-10101 Planet Earth - Our Environment - ESC-10104
The impact of human activity, particularly resource exploitation on the Earth's surface and near surface environments.	Academic, Professional and Field Skills - ESC-10101 Planet Earth - Our Environment - ESC-10104 Roots and Future: exploring sustainable places - GEG-10023
Possible options for alternative solutions to environmental problems and their implications for nature and society.	Planet Earth - Our Environment - ESC-10104 Applied Environment and Sustainability - ESC-10105 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
Environmental management issues in a range of different environments.	Planet Earth - Our Environment - ESC-10104 Human and Physical Geographies for a Changing World - GEG-10017 Roots and Future: exploring sustainable places - GEG-10023
The nature and causes of change and variability within physical environments.	Human and Physical Geographies for a Changing World - GEG-10017
Patterns of spatial variation as dynamic characteristics of the physical environment.	Human and Physical Geographies for a Changing World - GEG-10017
The process and application of a range of analytical techniques relevant to the analysis of the composition of different environmental media (including soil, water, vegetation).	Planet Earth - Our Environment - ESC-10104
Different methodological strategies used in the observation, analysis, interpretation and representation of geographical information.	Academic, Professional and Field Skills - ESC-10101
Applications and limitations of geography in problem solving, equitable and sustainable development, and improving quality of life.	Human and Physical Geographies for a Changing World - GEG-10017 Roots and Future: exploring sustainable places - GEG-10023
How to implement sustainability and sustainable development practices in relation to the complex interactions between societies and environments.	Roots and Future: exploring sustainable places - GEG-10023

Subject Specific Skills	
Learning Outcome	Module in which this is delivered
Undertake effective fieldwork with due regard for safety and risk assessment	Academic, Professional and Field Skills - ESC-10101
Work safely in a scientific laboratory, with awareness of standard procedures	Academic, Professional and Field Skills - ESC-10101 Planet Earth - Our Environment - ESC-10104
Apply a range of ecological and chemical laboratory and field techniques to environmental issues	Planet Earth - Our Environment - ESC-10104
Evaluate possible options for alternative solutions to environmental problems	Planet Earth - Our Environment - ESC-10104 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023
Employ a variety of digital, statistical and laboratory-based methods for the collection and analysis of spatial and environmental information	Academic, Professional and Field Skills - ESC-10101
Effectively employ a range of specialist software to address a variety of geographical or environmental problems e.g. use of GIS software to visualise and analyse geographical data	Academic, Professional and Field Skills - ESC-10101 Human and Physical Geographies for a Changing World - GEG-10017
Communicate relevant ideas, principles and theories with flair, accuracy and sophistication by written, oral and graphical means.	All L4 modules

Key or Transferable Skills (graduate attributes)	
Learning Outcome	Module in which this is delivered
Assess the merits of contrasting theories, explanations and policies.	Human and Physical Geographies for a Changing World - GEG-10017 Roots and Future: exploring sustainable places - GEG-10023
Evaluate evidence and make critical judgements.	All L4 modules
Recognise their positionality and assumptions and critically evaluate the potential implications and consequences of them.	All L4 modules
Use communications and information technology with a high level of competence to select, analyse, present and communicate different forms of data and text.	All L4 modules
Synthesise complex information to inform reasoned arguments appropriate for specialist and non-specialist audiences.	All L4 Modules
Take responsibility for their own learning and develop a habit of reflection upon that learning	All L4 modules
Demonstrate group leadership and supportive participation of others within a group setting to achieve objectives.	All L4 modules
Evaluate evidence and make decisions that promote environmental and societal sustainability.	Human and Physical Geographies for a Changing World - GEG-10017 Conservation Policy and Practice - GEG-10021 Roots and Future: exploring sustainable places - GEG-10023

Level 5

Subject Knowledge and Understanding	
Learning Outcome	Module in which this is delivered
The application of the ecological, biological, geological and chemical sciences to environmental science.	Environmental Analytical Methods - ESC-20032 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150
The impact of human activity, particularly resource exploitation on the Earth's surface and near surface environments.	Environmental Analytical Methods - ESC-20032 Earth's Changing Landscapes - ESC-20110 Geoethics and Environmental Justice - ESC-20142 Human Impact on the Environment - ESC-20150
Possible options for alternative solutions to environmental problems and their implications for nature and society.	All L5 modules
Environmental management issues in a range of different environments.	Geoethics and Environmental Justice - ESC-20142 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150
The nature and causes of change and variability within physical environments.	Earth's Changing Landscapes - ESC-20110 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146
Patterns of spatial variation as dynamic characteristics of the physical environment.	Earth's Changing Landscapes - ESC-20110 Lake District Field Course - ESC-20144
The process and application of a range of analytical techniques relevant to the analysis of the composition of different environmental media (including soil, water, vegetation).	Environmental Analytical Methods - ESC-20032 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146
Different methodological strategies used in the observation, analysis, interpretation and representation of geographical information.	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
Applications and limitations of geography in problem solving, equitable and sustainable development, and improving quality of life.	All L5 modules
How to implement sustainability and sustainable development practices in relation to the complex interactions between societies and environments.	Geoethics and Environmental Justice - ESC-20142 Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146 Human Impact on the Environment - ESC-20150

Subject Specific Skills	
Learning Outcome	Module in which this is delivered
Plan, design and execute a piece of independent research in environmental geography, including production of a final report.	Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146
Undertake effective fieldwork with due regard for safety and risk assessment	Lake District Field Course - ESC-20144 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146
Work safely in a scientific laboratory, with awareness of standard procedures	Environmental Analytical Methods - ESC-20032 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146
Apply a range of ecological and chemical laboratory and field techniques to environmental issues	Environmental Analytical Methods - ESC-20032 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146
evaluate possible options for alternative solutions to environmental problems	All L5 modules
Employ a variety of digital, statistical and laboratory-based methods for the collection and analysis of spatial and environmental information	Environmental Analytical Methods - ESC-20032 Geographic Information Science and Remote Sensing - ESC-20132 Environmental and Sustainability Impact Assessment: Methods and Research Design - ESC-20146
Effectively employ a range of specialist software to address a variety of geographical or environmental problems e.g. use of GIS software to visualise and analyse geographical data	Geographic Information Science and Remote Sensing - ESC-20132
Communicate relevant ideas, principles and theories with flair, accuracy and sophistication by written, oral and graphical means.	All L5 modules

Key or Transferable Skills (graduate attributes)	
Learning Outcome	Module in which this is delivered
Assess the merits of contrasting theories, explanations and policies.	All L% modules
Evaluate evidence and make critical judgements.	All L5 modules
Recognise their positionality and assumptions and critically evaluate the potential implications and consequences of them.	All L5 modules
Use communications and information technology with a high level of competence to select, analyse, present and communicate different forms of data and text.	All L5 modules
Synthesise complex information to inform reasoned arguments appropriate for specialist and non-specialist audiences.	All L5 modules
Take responsibility for their own learning and develop a habit of reflection upon that learning	All L5 modules
Demonstrate group leadership and supportive participation of others within a group setting to achieve objectives.	All L5 modules
Evaluate evidence and make decisions that promote environmental and societal sustainability.	All L5 modules

Level 6

Subject Knowledge and Understanding	
Learning Outcome	Module in which this is delivered
The application of the ecological, biological, geological and chemical sciences to environmental science.	All L6 modules
The impact of human activity, particularly resource exploitation on the Earth's surface and near surface environments.	All L6 modules
Possible options for alternative solutions to environmental problems and their implications for nature and society.	All L6 modules
Environmental management issues in a range of different environments.	All L6 modules
The nature and causes of change and variability within physical environments.	Extinction! - ESC-30106 Independent Research Dissertation - ESC-30144 Glacial Environments - ESC-30162 River Conservation & Management - ESC-30164 Quaternary Climate Change: from Ice Ages to a Warming World - ESC-30166 Environmental and Wildlife Forensics - FSC-30029 Advanced Geographical Fieldwork - GEG-30051
Patterns of spatial variation as dynamic characteristics of the physical environment.	Extinction! - ESC-30106 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Applied GIS - ESC-30152 Glacial Environments - ESC-30162 River Conservation & Management - ESC-30164 Quaternary Climate Change: from Ice Ages to a Warming World - ESC-30166 Advanced Geographical Fieldwork - GEG-30051
The process and application of a range of analytical techniques relevant to the analysis of the composition of different environmental media (including soil, water, vegetation).	Ecotoxicology and Risk Assessment - ESC-30056 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144
Different methodological strategies used in the observation, analysis, interpretation and representation of geographical information.	Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Applied GIS - ESC-30152 Environmental and Wildlife Forensics - FSC-30029 Advanced Geographical Fieldwork - GEG-30051
Applications and limitations of geography in problem solving, equitable and sustainable development, and improving quality of life.	All L6 modules
How to implement sustainability and sustainable development practices in relation to the complex interactions between societies and environments.	Clean Technology - ESC-30040 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 River Conservation & Management - ESC-30164

Subject Specific Skills	
Learning Outcome	Module in which this is delivered
Plan, design and execute a piece of independent research in environmental geography, including production of a final report.	Independent Research Dissertation - ESC-30144
Undertake effective fieldwork with due regard for safety and risk assessment	Independent Research Dissertation - ESC-30144 Advanced Geographical Fieldwork - GEG-30051 Tropical Biology Field Course - LSC-30066
Work safely in a scientific laboratory, with awareness of standard procedures	Ecotoxicology and Risk Assessment - ESC-30056 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Environmental and Wildlife Forensics - FSC-30029
Apply a range of ecological and chemical laboratory and field techniques to environmental issues	Ecotoxicology and Risk Assessment - ESC-30056 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Environmental and Wildlife Forensics - FSC-30029
Evaluate possible options for alternative solutions to environmental problems	All L6 modules
Employ a variety of digital, statistical and laboratory-based methods for the collection and analysis of spatial and environmental information	Ecotoxicology and Risk Assessment - ESC-30056 Professional Environmental Field Skills - ESC-30142 Independent Research Dissertation - ESC-30144 Applied GIS - ESC-30152 Environmental and Wildlife Forensics - FSC-30029
Effectively employ a range of specialist software to address a variety of geographical or environmental problems e.g. use of GIS software to visualise and analyse geographical data	Independent Research Dissertation - ESC-30144 Applied GIS - ESC-30152
Communicate relevant ideas, principles and theories with flair, accuracy and sophistication by written, oral and graphical means.	All level 6 modules

Key or Transferable Skills (graduate attributes)	
Learning Outcome	Module in which this is delivered
Assess the merits of contrasting theories, explanations and policies.	All level 6 modules
Evaluate evidence and make critical judgements.	All level 6 modules
Recognise their positionality and assumptions and critically evaluate the potential implications and consequences of them.	All L6 modules
Use communications and information technology with a high level of competence to select, analyse, present and communicate different forms of data and text.	All level 6 modules
Synthesise complex information to inform reasoned arguments appropriate for specialist and non-specialist audiences.	All level 6 modules
Take responsibility for their own learning and develop a habit of reflection upon that learning	All level 6 modules
Demonstrate group leadership and supportive participation of others within a group setting to achieve objectives.	All L6 modules
Evaluate evidence and make decisions that promote environmental and societal sustainability.	All level 6 modules
Acquire professional qualifications relevant for a career in environmental sector	Professional Environmental Field Skills

Level 7

Subject Knowledge and Understanding	
Learning Outcome	Module in which this is delivered
the principles and applications of cutting-edge research methodologies and techniques in the study of Environmental Sciences and Geography to an advanced level; the context of their extended research project in relation to on-going research activity in their field of study and the wider subject area.	All L7 Modules

Subject Specific Skills	
Learning Outcome	Module in which this is delivered
identify, engage with, and evaluate environmental information, issues and topics at the forefront of the discipline; critically evaluate current literature and complex methodologies to an advanced level in relevant areas of contemporary Environmental Science and Geography.	All L7 Modules

Key or Transferable Skills (graduate attributes)	
Learning Outcome	Module in which this is delivered
develop greater autonomy in the planning and implementation of tasks associated with their research project and taking responsibility for their workload.	All L7 Modules

9. Final and intermediate awards

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

MSci Environmental Science and Geography	480 credits	You will require at least 120 credits at levels 4, 5, 6 and 7 You must accumulate at least 360 credits in your main subject (out of 480 credits overall) to graduate with a named single honours degree in this subject.
Honours Degree BSc (Hons) Environmental Science and Geography	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.
Diploma in Higher Education	240 credits	You will require at least 120 credits at level 4 or higher and at least 120 credits at level 5 or higher
Certificate in Higher Education	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 Notebook
- 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

	Scheduled learning and teaching activities	Guided independent Study	Placements
Year 1 (Level 4)	28.5%	71.5%	0%
Year 2 (Level 5)	31.4%	66.1%	2.5%
Year 3 (Level 6)	26.8%	67%	6.2%

12. Accreditation

This programme is not currently accredited

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'.

A student who has completed a semester abroad will not normally be eligible to transfer onto the International Year option.

Students are expected to attend all practical classes, tutorials, seminars, fieldcourses and lectures. Attendance at all these sessions is monitored and checked by the academic support staff and course directors. Students who display a poor attendance record for no good reason may be subject to disciplinary action. Students are required to follow the guidelines provided in the Safety and Fieldcourse Handbooks. Instructions contained in course, year and module handbooks constitute part of the 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/>

Applicants who are not currently undertaking any formal study or who have been out of formal education for more than 3 years and are not qualified to A-level or BTEC standard may be offered entry to the University's Foundation Year Programme.

Applicants for whom English is not a first language must provide evidence of a recognised qualification in English language. The minimum score for entry to the Programme is Academic IELTS 6.0 or equivalent.

English for Academic Purposes

Please note: All new international students entering the university will 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:* students 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 those interested 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 student learning on the Programme is provided in the following ways:

- Student Experience and Support Officer (SESO): All students have access and support from the SESO, who provides support through the duration of the undergraduate experience. The School administration team are also available to provide advice and guidance.
- Academic Mentors: All students are allocated an Academic Mentor for the duration of their 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: Students with disabilities or medical problems 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 student's 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 Geography and environmental equipment in specialised labs
- Living laboratory of the University Campus
- University Library
- Virtual online support for all modules through "Keele Learning Environment" (KLE)

17. Other Learning Opportunities

Study abroad (semester)

Students on the programme have the potential opportunity to spend a semester abroad in their second year studying at one of Keele's international partner universities. Please note that students cannot take both a Global Challenge Pathway (GCP) and the semester abroad option.

Exactly which countries are available depends on the student's choice of degree subjects. An indicative list of countries is on the website (<http://www.keele.ac.uk/studyabroad/partneruniversities/>); however this does not guarantee the availability of study in a specific country as this is subject to the University's application process for studying abroad.

No additional tuition fees are payable for a single semester studying abroad but students do 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 to 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.

Whilst students are studying abroad any Student Finance eligibility will continue, where applicable students may be eligible for specific travel or disability grants. 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 for 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.

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

Students have the opportunity to apply directly for the 4-year 'with Work Placement Year' degree programme or to transfer onto the 4-year degree 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 their year-long placement. Eligibility rules are included in the Annex.

Students wishing to take the work placement year should meet with the Programme Director to obtain their signature to confirm agreement before they 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.

COMPULSORY FIELD TRIPS:

All students undertake compulsory field courses as part of their 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 cost of this is subsidized by the University but you will incur additional costs of independently arranged travel. To help students 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

All students undertake an independent research project in their final year, which MAY include fieldwork. Students are responsible for organising their own transport and accommodation as well as paying any costs incurred whilst carrying out fieldwork. These costs are extremely variable as they are dependent on where the student carries out their project. Costs are minimal if the project work is undertaken in the students' local area.

IMPORTANT: Students 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 students are expected to purchase meals (e.g., lunch and/or evening meal).

Activity	Estimated Cost
Mandatory costs	
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 a day
Waterproof and appropriate clothing and footwear for field courses : £200.00	£200.00
Field Notebook(s):	£30
Optional costs	
Optional international field course:	£700.00
Optional international field course: - subsistence costs for lunches and dinners (estimated at £35 per day)	£35 a day
Total estimated additional costs:	£475 - £1665

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: Earth Sciences, Environmental Sciences and Environmental Studies

(2022): <https://www.qaa.ac.uk/the-quality-code/subject-benchmark-statements/earth-sciences-environmental-science-and-environmental-studies>; Geography (2022): <https://www.qaa.ac.uk/quality-code/subject-benchmark-statements/geography>

c. Keele University Regulations and Guidance for Students and Staff: <http://www.keele.ac.uk/regulations>

21. Annex - International Year

Environmental Science and Geography with International Year

International Year Programme
<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>
International Year Programme Aims
<p>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:</p> <ol style="list-style-type: none">1. Personal development as a student and a researcher with an appreciation of the international dimension of their subject2. 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:

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

In addition, students who complete the International Year will be able to:

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

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

Environmental Science and Geography 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:

1. the opportunity to carry out a long-term work-based learning experience.
2. first-hand experience of the work place environment in a role highly relevant to the degree.

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 Faculty of Natural Sciences Work / Professional 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 their placement.

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)
- General Aptitude (to be demonstrated by application(s) to relevant placement providers with prior agreement from the Programme Lead, 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 Lead)
- 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 the 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:

1. Critically evaluate their learning from the work placement.
2. Explain how the professional environmental sector operates and what skills are needed to develop a career within it.
3. Apply academic theory learnt as part of the taught degree to real situations in the work place.

These learning outcomes will be assessed through the non-credit bearing Work Placement Year module (ESC-30042) which involves:

1. 10 hours of scheduled learning and teaching activities comprising workshops covering: CV and cover letter production, finding a placement, personal skills audits, internship/placement preparation, and pre-departure briefing including completion of necessary paperwork.
2. Mid-Placement Portfolio completion (a strength, weaknesses, opportunities and threats (SWOT) self-analysis; a personal action plan aimed at strengthening employability skills; and a performance report from the placement host).
3. End of placement Portfolio (a reflective diary of the placement experience; and a final performance report from the placement host)

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 'Work Placement Year' module (ESC-30042)
- 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

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

Date Approved: 20 March 2026

Previous documents

Version No	Year	Owner	Date Approved	Summary of and rationale for changes
------------	------	-------	---------------	--------------------------------------