



Programme Specification

Environmental Management and Practice {Foundation} [GCET]

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Section 1: Key Programme Details

Part A: Programme Information

Programme title: Environmental Management and Practice {Foundation} [GCET]

Highest award: DipHE Environmental Management and Practice

Interim award: CertHE Environmental Management and Practice

Awarding institution: UWE Bristol

Affiliated institutions: Global College of Engineering and Technology (GCET)

Teaching institutions: Global College of Engineering and Technology (GCET)

Study abroad: No

Year abroad: No

Sandwich year: No

Credit recognition: No

School responsible for the programme: CATE School of Architecture and Environment, College of Arts, Technology and Environment

Professional, statutory or regulatory bodies: Not applicable

Modes of delivery: Full-time

Entry requirements: The University's Standard Entry Requirements apply with the following additions/exceptions*:

Applicants holding the following qualifications are eligible to apply for entry to Level 0 of the programme:

Thanawiya amma (General Secondary School Certificate) or the one-year certificate with an overall mark of 70%, or above

Thanawiya amma (General Secondary School Certificate) with an overall mark of 65% or above

PLUS a mark of over 60% in each stage of the GCET Foundation Studies Programme

PLUS 1

A minimum overall score of IELTS 5.5, or equivalent

Further details of entry requirements for applicants holding the IB Diploma or A Levels can be found at:

<http://www1.uwe.ac.uk/whatcanistudy/applyingtouwe/undergraduateapplications/entryrequirements.aspx>

Applicants holding more advanced qualifications may be considered for entry to the programme with advanced standing on an individual basis.

For implementation from: 01 October 2023

Programme code: FJ7H00

Section 2: Programme Overview, Aims and Learning Outcomes

Part A: Programme Overview, Aims and Learning Outcomes

Overview: This programme introduces students to contemporary environmental challenges via a practice-based approach that successfully blends elements of the natural and social sciences together. Students will gain an appreciation of how the environments in which we live function, and the interrelationships that exist between human activity and specific environmental systems. The programme will explain how the planet is becoming increasingly vulnerable to human induced change at a range of spatial scales across the world, and will outline specific challenges that the global community is looking to target. These include those connected with climate change, and the growing insecurities relating to food, water and energy. Students will gain an appreciation of the different geographies in which these issues occur, including those that are particularly significant in either urban or rural domains. The programme explores ways in which these challenges can be targeted and promotes a holistic, and interdisciplinary, approach to problem solving that emphasises the need to

understand the relevant science. The programme considers the different groups, bodies and institutions that are helping to drive positive change and the different ways in which they are using policy and legislation to ensure a shift in practice and behaviour. As part of a focus on how the resulting controls, tools and incentives can be successfully delivered, students will also gain an appreciation of environmental economics and the barriers and challenges that typically surround the implementation of policy and legislation.

The programme will critically examine the principles and methods for assessing and evaluating environmental impact across the world, from systems designed to assess and mitigate the impacts of development to ensuring that the impacts arising from a business are kept as light as possible. Regard will be given to understanding the role that technology can have, both in terms of mapping and analysing environmental challenges (e.g. through remote sensing and the application of geographic information systems), to helping to facilitate a solution. The term 'environmental technology' can be a challenging one to define but typically embraces the application of technological devices, materials, or techniques to better manage the environment. Environmental technologies are diverse in their form and can include, for example, those connected with advanced water purification, smart energy systems, solar and wind energy, and electric vehicles. Although the programme will enable you to understand, and help resolve, a range of environmental issues, you will also be able to develop specialist knowledge in the fields of water, energy and sustainable urban development

Features of the programme: The programme achieves its aims via a stimulating and high quality academic experience that gives emphasis to practical implementation. It enables a variety of skills and interests to be developed, providing students with specialist knowledge that can be used in the workplace. Opportunities will be wide-ranging and could include the potential to work, for example, for universities, government agencies, consultancies, and a selection of national and international bodies.

Educational Aims: The award has the following aims:
to provide a programme capable of developing rigorous understanding of the causes

of climate and environmental change and the principal challenges that society is facing today;

to facilitate understanding of appropriate mitigation and adaptation strategies and to appreciate the role that different groups and stakeholders have in delivering these; to encourage reflection on the factors that drive environmental management and the application of environmental technology, as well as the factors that can affect implementation;

to provide a programme that is rooted in the needs of professional practice and enables the development of students to become effective professionals;

to provide a programme that is academically challenging, relevant and engaging, which enables students to develop their capacity for independent, analytical and reflective thought and judgment;

to enable students to examine the link between theoretical concepts, current research and environmental management in practice;

to provide students with a multi-disciplinary experience, and;

to provide a stimulating and supportive learning environment which enables students to realise their educational potential in a way that will enhance their employment prospects and contribute towards their personal and social development.

Programme Learning Outcomes:

On successful completion of this programme graduates will achieve the following learning outcomes.

Programme Learning Outcomes

- PO1. Professional Practice: Demonstrate the knowledge, skills and behaviours associated with the latest in professional practice in the field of environmental management as defined by recognised industry bodies; and demonstrate an ability to work independently as problem solvers in both a professional context.
- PO2. Collaborative Practice: Discuss the alternative points of view that the typical stakeholders may have in the process of environmental management; and conduct a simulated group-work exercise focusing on the communication skills required to develop a collaborative environmental management project programme.

- PO3. Ethics: Identify and describe examples of unethical behaviours in the process of environmental management; and demonstrate an ability to complete an environmental management project within a policy framework defined by the latest code of ethics considerations for equality.
- PO4. Economic: Demonstrate a working knowledge of financial aspects of environmental management; and show the process of how projects are funded and the factors that can affect financial viability.
- PO5. Historic: Explain the historic role that physical, environmental, biotic, social, economic and cultural processes have in environmental management; and put in practice policies that are informed by local and global historic developments.
- PO6. Policy: Judge and evaluate the quality, validity and reliability of an evidence base that could inform policy development; and put into practice the skills associated with developing informed policies.
- PO7. Sustainability: Demonstrate an awareness of the environmental context of environmental management and how it is influenced by the political, economic, social and technological aspects as part of the wider sustainability agenda; and compare and contrast different management strategies in terms of sustainable performance indicators.
- PO8. Digital: Demonstrate an ability to work with numeric measurement techniques required to represent geographic parameters in a digital environment; and put in practice the digital skills required to undertake a wide range of computer aided analysis tasks using industry standard software.

Assessment strategy: The programme, and its constituent modules, has been designed to be outwardly looking. External collaborators will be approached, where possible, for case studies, field trips, module content and for enhancing the student experience.

Student support:

Part B: Programme Structure

Year 1

Full-time students must take 120 credits in Year 1.

Year 1 Compulsory Modules

Full-time students must take 120 credits from the modules in Compulsory Modules.

Successful completion of all Level 3 modules required to permit progression to level 4.

Module Code	Module Title	Credit
UBGMNR-15-0	Challenges, Data and Solutions 2024-25	15
UBGMPR-30-0	Environment and Sustainability 2024-25	30
UBGMNA-15-0	Field Study 2024-25	15
UBLMPA-30-0	Foundation Year Project 2024-25	30
UBGMMR-30-0	Physical and Human Environments of the City Region 2024-25	30

Year 2

Full-time students must take 120 credits in Year 2.

Year 2 Compulsory Modules

Full-time students must take 120 credits from the modules in Compulsory Modules.

Module Code	Module Title	Credit
UBGMGM-15-1	Analysing Sustainability and Environment 2025-26	15
UBGLXD-30-1	Environmental Challenges 2025-26	30
UBGMJ9-30-1	Environmentalism, Society and Governance 2025-26	30
UBLMGN-30-1	Healthy Sustainable Communities 2025-26	30
UBGMHM-15-1	Sustainable Technologies 2025-26	15

Year 3

Full-time students must take 120 credits in Year 3.

Year 3 Compulsory Modules

Full-time students must take 120 credits from the modules in Compulsory Modules.

Module Code	Module Title	Credit
UBGMND-15-2	Energy Futures: Policy and Practice 2026-27	15
UBGMKA-15-2	Environmental Assessment 2026-27	15
UBGMJQ-15-2	Environmental Economics 2026-27	15
UBGMM5-15-2	Environmental Psychology 2026-27	15
UBGMSD-15-2	Geographies of Security 2026-27	15
UBGMKR-30-2	Researching Environmental Technology and Management 2026-27	30
UBGMWD-15-2	Sustainable Resource Management 2026-27	15

Part C: Higher Education Achievement Record (HEAR) Synopsis

The programme gives students an effective blend of both theory and practice. It gives students the skills and knowledge around environmental management and the contemporary environmental challenges that societies around the world are having to address. Students will appreciate the kind of interventions that are necessary for pursuing more sustainable forms of energy production, water management and urban development, with emphasis on the benefit that the application of technology can bring. They will also use and apply a range of management practices and will be capable of critically reviewing the role for policy and legislation, as well as controls and incentives. Students will be able to outline the barriers for delivery, including the role of environmental economics and stakeholder behaviour.

Part D: External Reference Points and Benchmarks

UNESCO Education for Sustainable Development

This programme has been developed with an awareness of the educational context, issues and challenges as presented by UNESCO Education for Sustainable Development. Sustainable development represents a golden thread of content and context which runs throughout the four years of study.

UWE 2020 Strategy

The programme will contribute to the UWE 2020 strategy in the following manner:

UWE 2020 Ambition: to be known nationally and internationally as the best university for:

Professionally recognised and practice-oriented programmes, which contribute to an outstanding learning experience and generate excellent graduate employment opportunities and outcomes for all students.

The programme is designed to produce graduates that have the knowledge and expertise to develop a career in environmental technology and management.

Connecting and working with our local and regional economy, businesses and communities and international partners to advance knowledge, and to advance the health, sustainability and prosperity of our locality and region.

The programme, and its constituent modules, has been designed to be outwardly looking. External collaborators will be approached, where possible, for case studies, field trips, module content and for enhancing the student experience.

Being digitally advanced, agile and responsive in the way we work, embracing and leading change to create new sustainable opportunities.

The programme has a commitment to being innovative in the way teaching and

learning is supported. Technologies will be researched and applied where appropriate. Devices such as podcasts and lecture capture will be applied to enhance the student experience.

Being inclusive and global in outlook and approach.

The programme has been designed to be inclusive and relevant to a global environment. Modules deploy examples and case studies from across the world.

UWE 2020 priorities:

Outstanding learning: All our students experiencing engaging and outstanding learning, teaching and support services throughout their student journey, fully utilising advances in technology to support their academic, professional and social growth and development.

The programme is committed to delivering a positive learning experience that encourages active participation from students. Students will be encouraged to collaborate with staff, either through face meetings or via email or telephone.

Ready and able graduates: Graduates ready and able to realise their full potential, make a positive contribution to society and their chosen field of employment or further study and play their full part in the development of a sustainable global society and knowledge economy.

Graduates from this programme are in a position to pursue a variety of employment opportunities allied to environmental technology and management.

Research with impact: World-class performance in selected areas of research that meets the needs of our community, a sustainable economy and society and feeds the scholarship and enquiry that underpins our learning and teaching.

All staff on this programme are research active and many are internationally known

in their field. Students are able to draw upon the research excellence, staff knowledge, and teaching and learning abilities from participating staff from across the faculty. Research is both academic and practice based, ensuring broad and effective impact.

Strategic partnerships, connections and networks: These differentiate our academic activity and enhance our global reputation in the fields of planning, health, development and sustainability. The partnerships we are involved with seek to promote the prosperity of the University, Bristol and its city-region.

The programme is intended to be outward looking, with modules and specific projects typically linking with external partners (such as local authorities, consultancies or organisations in the voluntary sector) to help address real-life challenges. Students will be encouraged to join societies and associations relating to their degree.

The key influences that have informed the design of this programme are:

QAA Benchmark statement for Earth Sciences, Environmental Sciences and Environmental Studies (2014)

QAA Benchmark statement for Engineering (2015)

QAA Framework for Higher Education Qualifications in England, Wales and Northern Ireland (FHEQ)

2008

QAA Enterprise and Entrepreneurship Education: Guidance for UK Higher Education Providers

(2018)

QAA Code of Practice for the Assurance of Academic Quality and Standards in Higher Education: Students with Disabilities (2010)

United Nations Sustainable Development Goals (2015)

United Nations World Cities Report (2016)

Institution of Environmental Sciences: accreditation guidelines

Fifth Assessment Report of the Intergovernmental Panel on Climate Change (2014)

Equality Act (2010)

Special Educational Needs and Disability Act (SENDA - 2001)

Part E: Regulations

A: Approved to University Regulations and Procedures

It is the Award Board's responsibility to determine whether the student's attainment at level 0 is sufficient to progress to level 1.