

Programme Specification Pro-forma (PSP)

1. GENERAL INFORMATION

1. Programme Title:	BSc (Hons) Environmental Management
2. Final Award:	BSc (Hons) Environmental Management
3. Exit Awards:	Certificate of Higher Education in Environmental Management Diploma of Higher Education in Environmental Management BSc Environmental Management
4. Awarding Body:	Glasgow Caledonian University
5. Period of Approval:	
6. School:	Computing, Engineering and Built Environment
7. Host Department:	Civil Engineering and Environmental Management
8. UCAS Code:	FN82
9. PSB Involvement:	CIWEM, IEMA, RICS, CABE
10. Place of Delivery:	GCU
11. Subject Benchmark Statement:	N/A
12. Dates of PSP Preparation/Revision:	September 2021

2. EDUCATIONAL AIMS OF THE PROGRAMME**General Aims:**

- (a) to provide industry with well educated, competent environmental managers capable of responding to industry's current and future needs
- (b) to prepare students for their careers, further personal study, and for personal and professional development

Aims of the Programme at BSc (Hons) Environmental Management level exit point:

- (a) to provide students with a high-quality undergraduate degree programme comprising a sound theoretical knowledge base pertinent to their field encompassing core skills which are underpinned by technology and enhanced by economic and social science expertise.
- (b) to deliver a demanding programme which equips students with key knowledge, comprehension and skills competency essential for professionals working in the field of environmental management and planning.
- (c) to provide an education base and degree programme which is accredited by the Royal Institute of Chartered Surveyors (RICS), the Chartered Institution of Water and Environmental Management (CIWEM), Institution of Environmental management and Assessment (IEMA) and Chartered Association of Building Engineers (CABE).
- (d) to provide students with the necessary academic knowledge and professional ability to be applied in a challenging career in the environmental management profession in the context of the increasingly important, nationally and internationally, especially in areas of sustainable development and climate change.
- (e) To enable students to develop intellectual strengths and creative powers which are flexible and adaptable to the rapidly changing demands of local and national government, property developers and the construction industry, environmental consultancies, as well as to NGOs.
- (f) to enable students to develop and maintain personal transferable skills.
- (g) to enable students to develop good judgement and innovative thinking processes by the development and application of logical analysis, evaluation and synthesis techniques and
- (h) to introduce students to research methods and a learning experience which promotes and encourages a culture of lifelong learning throughout their professional career.

These aims are developed into five strands of development which run across the four levels of the programme:

- Geographical Information Systems
- Environmental and Urban Planning
- Environmental Resource Management and Science
- Sustainability
- The Environmental Professional

Student Journey through the Programme:

SCQF 7 - Certificate Of Higher Education

Foundation for study of the discipline, establishment of “ground rules”. An outline knowledge of the scope and main areas of the discipline; an understanding of the main theories, principles and concepts is developed and in particular students will be able to:

- Use their knowledge of the subject and its techniques to evaluate a range of arguments and solutions to problems and issues of a routine nature
- Apply their discipline-related and transferable skills in contexts which have well defined criteria
- Undertake further learning in a structured and managed environment

SCQF 8 – Diploma Of Higher Education

Students start to engage with the core areas of the discipline in preparation for professional placement and advanced modules in Year 3/SCQF9. A knowledge and understanding of the scope and main areas of the discipline and its interaction with related areas/disciplines (e.g. urban planning, sustainable development); familiarity and understanding of the essential theories, concepts and awareness of major issues within the discipline is developed.

At the end of this stage students will be able to use their knowledge, understanding and skills to:

- Demonstrate awareness of key environmental policy and methods of assessment
- Evaluate evidence-based arguments and identify solutions to clearly defined problems of a routine nature
- Apply their discipline-related and transferable skills to contexts where the task and criteria for decisions are generally well defined but where responsibility and initiative is required

In generic terms, diplomates should be able to:

- *Explain* the nature of a topical problem, with references to technological, scientific, economic and social issues involved, as appropriate.
- *Use appropriate techniques to collect data* - from practical/field experiments, paper and electronic sources - as appropriate to the project.
- *Contribute* to a group report, as appropriate to the level and under direction of the project manager or supervisor

Professionally, diplomates should be able to operate effectively in positions such as administrative assistants, undertaking routine tasks in an environmental management and planning context.

SCQF 9 – Unclassified degree

This level focuses on the key specialist areas of the discipline. A broad and comparative knowledge of the general scope of the different areas and applications, and interactions with related areas/disciplines is developed. Critical understanding of the essential theories, principles and concepts of the discipline, and the ways in which these are developed is also essential at this level.

Students will be able to use their knowledge, understanding and skills to:

- Both identify problems and issues and formulate, evaluate and apply evidence and arguments
- Apply their discipline-related and transferable skills to contexts where criteria and the scope of the task may be well defined but where personal responsibility and decision making is also required

In generic terms, graduates should be able to:

- *Analyse* a topical problem, *identify crucial* technological, scientific, economic and social issues, as

appropriate to the project.

- *Identify and analyse the relevance of data* - from practical/field experiments, paper and electronic sources - as appropriate to the project.
- *Contribute* to group presentations and group written reports, as appropriate to the level and under direction of the project manager or supervisor.

Professionally, graduates should be able to work, unsupervised to some extent, to undertake analytical tasks using routine procedures.

SCQF 10 - Honours degree

At this level students further extend their knowledge of the specialist areas of the discipline. A systematic, extensive and comparative knowledge and understanding of the discipline, and its links to related areas/disciplines is required including a critical understanding of the established theories, principles and concepts of a number of advanced and emerging issues at the forefront of the discipline.

Students will be able to use their knowledge, understanding and skills:

- In the systematic assessment of a wide range of concepts, ideas and data
- In identifying and analysing complex problems and issues, demonstrating originality and creativity in formulating, evaluation and applying evidence-based solutions and arguments
- To apply their discipline-related and transferable skills in contexts where there is a requirement for:
 - (a) The exercise of personal responsibility and initiative
 - (b) Decision-making in complex and unpredictable contexts
 - (c) The ability to undertake further developments of a professional nature

In generic terms, graduates should be able to:

- Explain and analyse a topical problem, and *synthesise a solution or suggest a way forward*, based on technological, scientific, economic and social issues, as appropriate to the project;
- *Analyse the relevance of data* from practical/field experiments, paper and electronic sources - *in the synthesis of stated conclusions* and recommendations for further work related to the project topic;
- *Contribute to and organise* a group presentation, and *contribute to and direct* the writing of a formal group report;
- *Manage* the work of a group and a project under the guidance of a project supervisor (academic member of staff).

Professionally, Honours graduates should be able to work unsupervised to develop interdisciplinary and holistic solutions to topical problems.

4. PROGRAMME STRUCTURES AND REQUIREMENTS, LEVELS, MODULES, CREDITS AND AWARDS		
SCQF Level 7		
Module Code	Module Title	Credit
M1H227168	Land Use, Conservation and Surveying	20
M1F727008	Water, Energy and Food	20
M1M227009	Principles of Workplace Legislation	20
M1K203077	Professional Orientation and Practice	20
M2K227084	Sustainability Online	20
M1K423162	Urban Issues	20
Exit Award – Certificate of Higher Education in Environmental Management		120
SCQF Level 8		
Module Code	Module Title	Credit
M2K226936	C&S Preparation for Placement	10
M2F723967	Environmental Assessment	20
M2K427174	Environmental Policy and Regulation	20
M2F721866	Environmental Science and Measurement	20
M2F827070	GIS 1 – Principles of GIS	20
M2K423966	Society, Politics and Sustainability	20
M2K427010	Urban Planning	20
Exit Award – Diploma of Higher Education in Environmental Management		250
SCQF Level 9		
Module Code	Module Title	Credit
Trimester A		
M3K226918	Professional Placement Learning	60
<i>or</i>		
M3K220211	Managed Project Learning Only for Non-Placement Students	20
<i>Plus 2 options from</i>		
M3N225499	Management Strategy and Practice (option)	20
M3N225498	Environmental Risk Management (option)	20
M3H127085	The Engineer and the Environment (option)	20
<i>Additional extra 10 credit module also optional but additional</i>		
M3H226705	Public Engagement	10
Trimester B		
M3F727071	Climate Change: Impact, Mitigation and Adaptation	
M3K427075	Corporate Sustainability	20
M3F827067	GIS 2 – Applied GIS	20
Exit Award – Bachelor of Science in Environmental Management		370
SCQF Level 10		
Module Code	Module Title	Credit
Core Module Trimester A and B		
MHK226974	Dissertation	40
Trimester A		
MHF827011	GIS 3 – Project GIS	20
<i>Plus select 1 option from</i>		
MMH227006	Energy Resources and Management (Option)	20
MHK226545	Sustainability and the Built Environment (Option)	20
Trimester B		
<i>Select 2 from three modules</i>		
MHK226545	Sustainability and the Built Environment (Option)	20
MHF720126	Waste Management and Contaminated Land (Option)	20
MHH127007	Water Policy and Management (Option)	20
Exit Award – Bachelor of Science with Honours in Environmental Management		490

8. ASSESSMENT REGULATIONS

Students should expect to complete their programme of study under the Regulations that were in place at the commencement of their studies on that programme, unless proposed changes to University Regulations are advantageous to students.

The Glasgow Caledonian University Assessment Regulations which apply to this programme, dependent on year of entry can be found at:

[GCU Assessment Regulations](#)