

BSC (HONS) GEOGRAPHY (FOR STUDENTS WHO ENTERED FIRST YEAR PRIOR TO 2022/23)

Overview

NFQ Level 8, Major Award

Students entered Second Science Geography from First Science Area of Study: Biological, Earth and Environmental Sciences (CK404) (<https://ucc-ie-public.courseleaf.com/programmes/bscr/>) provided they passed First Science.

Elective Modules

The selection of elective modules in Third and Fourth Years may depend on the student having the necessary prerequisites. Elective modules must, therefore, be chosen in consultation with the appropriate Head of Department. In exceptional cases, the Academic Board of the School of Biological, Earth and Environmental Sciences and the College will be prepared to consider applications for alternative elective modules in Third Year. Modules that have been taken and passed in one year of study may not be re-taken in a subsequent year.

The Fourth Science Research Project **must** be passed for the award of a BSc (Hons) Degree.

BSc Ordinary Degree - NFQ Level 7, Major Award

Students who pass Third Year may choose not to proceed to Fourth Year and may opt instead to be conferred with a BSc Ordinary Degree.

Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

Programme Requirements

Code	Title	Credits
Year 1		
Students take 60 credits as follows:		
<i>Core Modules</i>		
BL1002	Cells, Biomolecules, Genetics and Evolution	5
BL1004	Physiology and Structure of Plants and Animals	5
BL1006	Habitats and Ecosystems	5
BL1009	Grand Challenges in Biological, Earth and Environmental Sciences	5
CM1003	Introductory Chemistry for Environmental Scientists	10
EV1002	Introduction to Environmental Science	5
GL1001	Introduction to Geology	5
GL1004	Geological Evolution of Ireland	5
GG1010	Introduction to Physical Geography	5
MA1001	Calculus for Science Part 1	5
PY1009	Physics for the Environmental Sciences I	5
Year 2 (2022/23 only)		

Students take **60** credits as follows – all listed core modules (**45** credits) and **15** credits of elective modules:

Core Modules

GG2005	Ice Age Quaternary Environments and Geomorphology	5
GG2027	Environmental Analysis: Field Data Course	5
GG2038	Geographical Research Methods	5
GG2046	Atmosphere, Weather and Climate	5
GG3009	Environmental Geographies	5
GS2001	Dynamic Earth	5
GS2002	The Evolving Earth	5

Plus modules to the value of **10** credits from the following:

GG2010	Cities of Diversity (5)	
GG2014	Geography of Tourism (5)	
GG2023	Rural Geography (5)	
GG2041	Contemporary Human Migration and European Settlement and Society (5)	

Elective Modules

Students take modules to the value of **15** credits from the following

AE/AR/EV/MA/NE/PY

AE2001	Fundamentals of Ecology (5)	
AR2037	Introduction to Environmental Archaeology (5)	
EV2002	The Environment and Human Health (5)	
EV2003	Practical Data Analysis and Research Skills (5)	
MA1002	Calculus for Science Part 2 (5)	
NE1001	Introduction to Energy Engineering (5)	
PY2009	Physics for the Environmental Sciences II (5)	

Year 3 (2023/24 only)

Students take **60** credits as follows – all listed core modules (**45** credits) and **15** credits of elective modules:

Core Modules

GG2040	Geographies of Environment and Sustainability	5
GG3007	Marine and Coastal Geosciences	5
GG3012	Advanced Geographical Information Systems	5
GG3041	Environmental Remote Sensing	5
GG3052	Geography Literature Review	5
GG3054	Field Work	5
GG3056	Climate Change and Historical Climatology	5
ST2001	Introduction to Biostatistics	5

Plus modules to the value of **5** credits from the following:

<i>GG</i>		
GG3001	Geographical Ideas (5)	
GG3010	Sustainable cities and communities (5)	
GG3037	Geography of Heritage (5)	

Elective Modules

Students take modules to the value of **15** credits from the following: ¹ 15

AR/EV/GL

AR3053	Landscape Archaeology (5)	
EV3017	Freshwater Science (5)	
GL3004	Applied Structural Geology (5)	
GL3013	Sedimentary Environments (5)	
GL3030	Geological Map Interpretation (5)	

Year 4 (2023/24 and 2024/25 only)

Students take **60** credits as follows – all listed core modules (**50** credits) and **10** credits of elective modules:

<i>Core Modules</i>		
ER4004	Practical Offshore Marine Science	5
GG3009	Environmental Geographies	5
GG3027	Regional and Local Planning Issues and Policies	5
GG3051	Landscape Palaeoecology and Palynology	5
GG4008	Research Project	15
Plus modules to the value of 15 credits from the following:		15
<i>GG</i>		
GG3010	Sustainable cities and communities (5)	
GG3037	Geography of Heritage (5)	
GG3038	Geographies of the Irish Diaspora (5)	
GG3043	Historical Geographies of Urbanism and the Anthropocene (5)	
GG3046	Geopolitics and Geostrategies (5)	
GG4020	Geography Work Placement (5)	
<i>GL/PA</i>		
<i>Elective Modules</i>		
Students take modules to the value of 10 credits from the following:		10
GL3013	Sedimentary Environments (5)	
GL3031	Environmental Hydrogeology (5)	
GL4024	Advanced Palaeobiology (5)	
PA4408	Valuing the Environment (5)	
PA3300	Valuing the Environment (5)	
Total Credits		240

- Communicate effectively, orally and in written reports, about environmental issues.

¹ Timetable and module availability permitting

Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.

Programme Learning Outcomes

Programme Learning Outcomes for BSc in Geography (NFQ Level 8, Major Award)

On successful completion of this programme, students should be able to:

- Demonstrate a clear knowledge of the functioning of the different elements of Geography as they apply to Earth systems;
- Work as an individual, and in small groups, in the analysis of thematic issues;
- Demonstrate knowledge of impacts of human activities on the environment;
- Apply the principles of the collection and analysis of geographical data;
- Evaluate the use of scientific methods in the application of Geography and Earth environments;
- Source information on geographical issues and critically appraise it for scientific credibility and relevance;
- Carry out field analysis, interpret and report the results;
- Design and manage a research-based project through its various stages from inception to completion;