

# BSC (HONS) EARTH SCIENCE (FOR STUDENTS WHO ENTERED FIRST YEAR PRIOR TO 2022/23)

## Programme Requirements

Code	Title	Credits
<b>Year 1</b>		
Students take <b>60</b> 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
GG1010	Introduction to Physical Geography	5
GS1001	Introduction to Geology	5
GS1004	Geological Evolution of Ireland	5
MA1001	Calculus for Science Part 1	5
PY1009	Physics for the Environmental Sciences I	5
<b>Year 2 (2022/23 only)</b>		
Students take <b>60</b> credits as follows:		
<i>Core Modules</i>		
AE2001	Fundamentals of Ecology	5
CM2101	Introductory Organic Chemistry for Environmental Scientists	5
EV2002	The Environment and Human Health	5
EV2003	Practical Data Analysis and Research Skills	5
GG2005	Ice Age Quaternary Environments and Geomorphology	5
GG2037	Introduction to Geoinformatics	5
GS2001	Dynamic Earth	5
GS2002	The Evolving Earth	5
GL2016	Easter Field Course	5
PY2009	Physics for the Environmental Sciences II	5
ST2001	Introduction to Biostatistics	5
ZY2005	Invertebrate Diversity	5
<b>Year 3 (2024/25 only)</b>		
Students take <b>60</b> credits as follows – all listed core modules ( <b>50</b> credits) and <b>10</b> credits of elective modules:		
<i>Core Modules</i>		
<i>ER Modules</i>		
ER3005	Field Training 1	5
ER3052	Earth Science Literature Review	5
<i>GG Modules</i>		
GG3007	Marine and Coastal Geosciences	5
GG3012	Advanced Geographical Information Systems	5

GG3041	Environmental Remote Sensing	5
GG3056	Climate Change and Historical Climatology	5
<i>GL/GS Modules</i>		5
GS3004	Applied Structural Geology	5
GS3010	Mineralogy, Igneous and Metamorphic Petrology	5
<i>Elective Modules</i>		
Students take modules to the value of <b>10</b> credits from the following:		10
<i>EV/GG/GL</i>		
EV3017	Freshwater Science (5)	
GG2040	Global Environmental Change (5)	
GG3037	Geography of Heritage (5)	

## Year 4 (2024/25 and 2025/26 only)

Students take **60** credits as follow:

<i>Core Modules</i>		
<i>ER Modules</i>		
ER4001	Research Project	15
ER4004	Practical Offshore Marine Science	5
<i>GG Modules</i>		
GG3027	Regional and Local Planning Issues and Policies	5
GG3009	Nature-Based Solutions for Sustainable Development	5
<i>GS Modules</i>		
GS3006	Environmental Hydrogeology	5
GS4011	Frontiers in Geoscience	5
<i>Elective Modules</i>		
Students take a module to the value of <b>20</b> credits from the following		
<i>ER/GG/GS</i>		
ER4020	Earth Science Work Placement (5)	
GS4003	Economic Geoscience (5)	
GS4005	Advanced Palaeobiology (5)	
GS4007	Neotectonic Field Studies (5)	
GS3001	Advanced Earth Systems (5)	
GS3002	Data Analysis (5)	
GS3003	Sedimentology & Sedimentary Environments (5)	
GS3009	Crustal Evolution of Britain and Ireland (10)	
GG3060	Geoimaginaries of the Sciences and the Arts (5)	

## 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*.