

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

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
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
Year 2 (2022/23 only)		
Students take 60 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
Year 3 (2023/24 only)		
Students take 60 credits as follows – all listed core modules (40 credits) and 20 credits of elective modules:		
<i>Core Modules</i>		
<i>GL/GS Modules</i>		
GS3010	Mineralogy, Igneous and Metamorphic Petrology	5
GL3004	Applied Structural Geology	5
GL3007	Evolution for Geologists	5
GL3009	Crustal Evolution of Britain and Ireland	10
GL3030	Geological Map Interpretation	5

GL3031	Environmental Hydrogeology	5
GL3033	Advanced Field Geoscience Techniques	5

Elective Modules

Students take modules to the value of **20** credits from the following: 20

EV/GG/PS/ZY

EV3017	Freshwater Science (5)
GG2046	Atmosphere, Weather and Climate (5)
GG3007	Marine and Coastal Geosciences (5)
GG3012	Advanced Geographical Information Systems (5)
PS2003	Plant Identification (5)
ZY2000	Vertebrate Diversity (5)

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

Students take **60** credits as follows – all listed core modules (**40** credits) and **20** credits of elective modules:

Core Modules

GL Modules

GL4029	Environmental Sedimentology	5
GL4004	Advanced Igneous Processes	5
GL4024	Advanced Palaeobiology	5
GL4030	Geoscience Final Year Project	20
GL4031	Frontiers in Geoscience	5

Elective Modules

Students take modules to the value of **20** credits from the following: 20

ER/GL/GG Modules

ER4004	Practical Offshore Marine Science (5)
GL4020	Geological Work Placement (5)
GL4023	Neotectonic Field Studies (5)
GG3007	Marine and Coastal Geosciences (5)
GG3012	Advanced Geographical Information Systems (5)
GG3051	Landscape Palaeoecology and Palynology (5)
GG3056	Climate Change and Historical Climatology (5)

Total Credits **240**

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*.