BSC (HONS) ENVIRONMENTAL SCIENCE

Programme Requirements

Code	Title	Credits
Year 1		
Students take **60** credits as follows:		
Core Modules		
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		
Students take **60** credits as follows:		
Core Modules		
AE2001	Fundamentals of Ecology	5
CM2101	Introductory Organic Chemistry for Environmental Scientists	5
EV2001	Practical Environmental Science	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
PY2009	Physics for the Environmental Sciences II	5
ST2001	Introduction to Biostatistics	5
ZY2005	Invertebrate Diversity	5
Year 3		
Students take **60** credits as follows – all listed core modules (**45** credits) and **15** credits of elective modules:		
Core Modules		
CM3104	Environmental Chemistry and Analysis	5
EV3013	Global Environmental Issues	5
EV3014	Environmental Science in the Field	10
EV3017	Freshwater Science	5
EV3020	Environmental Science Literature Review	5
GG3012	Advanced Geographical Information Systems	5
PY3011	Environmental Physics	5
ST3001	Biostatistics I	5
Elective Modules		
Students take modules to the value of **15** credits from the following:		15
CM/EH/GG/GS/PS [1]		
CM3024	Analytical Chemistry (10)	
EH3005	Health Impact Assessment (HIA) (5)	
GG2046	Atmosphere, Weather and Climate (5)	
GG3007	Marine and Coastal Geosciences (5)	
GG3041	Environmental Remote Sensing (5)	
GS3006	Environmental Hydrogeology (5)	
GG3009	Nature-Based Solutions for Sustainable Development (5)	
PS3012	Plants and Hostile Environments (5)	
Year 4		
Students take **60** credits as follows – all listed core modules (**35** credits) and **25** credits of elective modules:		
Core Modules [1]		
EV4001	Environmental Science Research Project	15
EV4012	Environmental Impact Assessments	5
EV4017	Frontiers in Environmental Sciences	5
EV4019	Applied Environmental Monitoring and Assessment	5
EV4020	Applied Environmental Science	5
Elective Modules		
Students take modules to the value of **25** credits from the following:		25
AE/BL/CM/ER/EV/PS/ST [1]		
AE4012	Landscape Conservation and Management (10)	
AE4016	Advanced Ecology and Biogeography (5)	
BL4006	Sustainable Food Production (5)	
CM4026	Advanced Analytical Chemistry Part 1 (5)	
CM4027	Advanced Analytical Chemistry Part 2 (5)	
CM4112	Atmospheric Chemistry and Air Pollution (5)	
ER4004	Practical Offshore Marine Science (5)	
EV4010	Environmental Work Placement (5)	
PS4021	Sustainable Plant Pest and Disease Management (5)	
PS4024	Crop Physiology and Climate Change (5)	
ST4001	Biostatistics II (5)	
Total Credits		**240**

[1] Module selections must take into consideration the satisfaction of any prerequisites. Choices of certain combinations of modules may be restricted by timetable constraints.

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*.