

BSC (HONS) ZOOLOGY

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		
Students take 60 credits as follows – all listed core modules (50 credits) and 10 credits of elective modules:		
<i>Core Modules</i>		
AE2001	Fundamentals of Ecology	5
AE2007	Ecological Fieldwork and Analysis	10
BL2001	Plant and Animal Genetics	5
BL2002	Understanding and Reviewing Scientific Literature	5
ST2001	Introduction to Biostatistics	5
ZY2000	Vertebrate Diversity	5
ZY2005	Invertebrate Diversity	5
ZY2006	Vertebrate Diversity 2	5
ZY2007	Practical Invertebrate Skills	5
<i>Elective Modules</i>		
<i>GG/GS/MA/PS</i>		
Students take modules to the value of 10 credits from the following:		
GG2037	Introduction to Geoinformatics (5)	
GS2002	The Evolving Earth (5)	
MA1002	Calculus for Science Part 2 (5)	
PS2001	Introduction to Plant Biotechnology (5)	
PS2002	Ecological Plant Physiology (5)	
PS2003	Plant Identification (5)	
Year 3		
Students take 60 credits as follows - all listed core modules (55 credits) and 5 credits of electives-		
<i>Core Modules</i>		
AE3013	Practical Field Ecology	10
BL3001	Zoology and Ecology Literature Review	5
BL3003	Conservation Biology	5
BL3004	Key Research Skills in Biology	5
GS3007	Evolution 1 – Plant and Animal Evolutionary Origins	5
ST3001	Biostatistics I	5

ZY3015	Advanced Vertebrate Biology	5
ZY3019	Adaptations to Extreme Environments	5
ZY3020	Animal Behaviour	5
ZY3023	Advanced Invertebrate Zoology	5

Elective Modules

AE/BL/GS		
Students take modules to the value of 5 credits from the following:		
AE3021	Freshwater Macroinvertebrate Biomonitoring (5)	
BL3008	Evolution 2 – Diversity and Extinction (5)	
GS3005	Palaeontology (5)	

Year 4

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

<i>Core Modules</i>		
AE4012	Landscape Conservation and Management	10
or ZY4020	Temperate Marine Biology	
BL4001	Research Project	15
ZY4016	Biology of Marine Mammals	5
ZY4021	Evolutionary Ecology	5
ZY4022	Pathogen biology, ecology and control	5
ZY4023	Global Topics in Marine Biology	5

AE/BL/EV/GS/PS/ST

<i>Elective Modules</i>		
Students take modules to the value of 15 credits from the following:		
AE4016	Advanced Ecology and Biogeography (5)	
AE4020	Field Ornithology (5)	
BL4003	Biological Work Placement (5)	
BL4006	Sustainable Food Production (5)	
EV4012	Environmental Impact Assessments (5)	
GS4005	Advanced Palaeobiology (5)	
PS4021	Sustainable Plant Pest and Disease Management (5)	
ST4001	Biostatistics II (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*.