BIOLOGICAL SCIENCES

Programme Requirements

Code	Title	Credits
Year 1		
Students take **60** credits as follows:		
Core Modules		
BC1001	Introduction to Biochemistry and the Biological Basis of Disease	5
BL1002	Cells, Biomolecules, Genetics and Evolution	5
BL1004	Physiology and Structure of Plants and Animals	5
CM1200	Fundamentals of Modern Chemistry Part 1	10
CM1201	Fundamentals of Modern Chemistry Part 2a	10
MA1001	Calculus for Science Part 1	5
MA1002	Calculus for Science Part 2	5
MB1003	Microbiology in Society	5
PY1010	Physics for Biological and Chemical Sciences	10
Year 2		
Students take **60** credits as follows - all listed core modules (**55** credits) and **5** credits of elective modules:		
Core Modules		
Biochemistry		
BC2001	Biomolecules	5
BC2002	Principles of Metabolic Pathways	5
Biotechnology		
BT2001	Introduction to Biotechnology	5
Molecular Biology		
ML2001	Introductory Molecular Biology	5
Microbiology		
MB2005	Fundamentals of Microbiology	5
MB2006	Principles of Microbiology	5
Neuroscience		
AN2003	Principles of Human Structure	5
AN2020	Introduction to Neuroscience, the Brain and Behaviour	5
Physiology		
PL2021	Introductory Physiology I	5
PL2022	Introductory Physiology II	5
Statistics		
ST2001	Introduction to Biostatistics	5
Elective Modules		
Students take modules to the value of **5** credits from the following:		5
Semester 1		
Chemistry		
CM2001	Main Group and Transition Element Chemistry (5)	
CM2002	Intermediate Stereochemistry, Reactivity and Mechanisms in Organic Chemistry (5)	
CM2003	Energetics and Kinetics (5)	
Plant Science		
PS2001	Introduction to Plant Biotechnology (5)	
Zoology		
ZY2000	Vertebrate Diversity (5)	
Semester 2		
Ecology		
AE2001	Fundamentals of Ecology (5)	
Year 3 - 4		
Select **one** of the following:		60
Biochemistry (https://ucc-ie-public.courseleaf.com/programmes/bscbc/)		
Biotechnology (https://ucc-ie-public.courseleaf.com/programmes/bscbt/)		
Microbiology (https://ucc-ie-public.courseleaf.com/programmes/bscmb/)		
Neuroscience (https://ucc-ie-public.courseleaf.com/programmes/bscan/)		
Physiology (https://ucc-ie-public.courseleaf.com/programmes/bscpl/)		