BSC (HONS) BIOTECHNOLOGY

Programme Requirements

Code	Title	Credits
Year 1		orcuito
Students take 6	0 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		
	O credits as follows - all listed core modules (55 redits of elective modules:	
Core Modules		
Biochemistry		
BC2001	Biomolecules	5
BC2002	Principles of Metabolic Pathways	5
Biotechnology		
BT2001	Introduction to Biotechnology	5
Molecular Biolog		
ML2001	Introductory Molecular Biology	5
Microbiology	introductory morecular biology	J
MB2005	Fundamentals of Microbiology	5
MB2006	Principles of Microbiology	5
Neuroscience	· ····o.pico c. ·····orco.cogy	
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
Flective Modules		
	nodules to the value of 5 credits from the following	ı: 5
Semester 1	iodales to the value of o creates from the following	. 0
Chemistry		
CM2001	Main Group and Transition Element Chemistry	
CM2002	Intermediate Stereochemistry, Reactivity and Mechanisms in Organic Chemistry	
CM2003	Energetics and Kinetics	
Plant Science	. Janes	
PS2001	Introduction to Plant Biotechnology	
Zoology	Dioteoninology	
ZY2000	Vertebrate Diversity	

Semester 2

Total Credits		240
PE4028	Bioprocess Engineering	10
MB4013	Food Biotechnology	5
BT4005	Biopharmaceutical and Medical Devices Microbiology	5
BT4004	Microbial Biotechnology	5
BT4003	Case studies in Biotechnology	5
BT4002	Research Project	10
BT4001	Work Placement	10
BC4017	Principles and Applications of Biotechnology	5
BC4002	Protein Science	5
Core Modules		
Students take 60	credits as follows:	
Year 4	3,	
PT3001	Introduction to Pharmacology	5
PE2005	Introduction to Biochemical Engineering	5
MB3021	Medical Microbiology	5
MB3914	Food and Industrial Microbiology II	5
MB3008	Immunology: Host Response to Pathogens.	5
MB3006	environment Genetic Engineering and Molecular Biotechnology	5
MB3005	The role and ecology of microbes in the	5
BT3001	Literature Project in Biotechnology	5
BC3021	Cell Signalling in Health and Disease	5
BC3010	Bioinformatics	5
BC3006	Molecular Biology	5
BC3001	Structural and Experimental Biochemistry	5
Core Modules		
Students take 60	credits as follows:	
Year 3	· unaumontals or 200.0g/	
AE2001	Fundamentals of Ecology	
Ecology		

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*.