

BSC (HONS) (BIOMEDICAL SCIENCE) - MT871

Programme Requirements

Code	Title	Credits
Year 1		
Students take 60 credits as follows:		
<i>Core Modules</i>		
BM1001	Introduction to Biomedical Science I ¹	5
BM1002	Introduction to Biomedical Science II ¹	5
BM1003	Cell Biology ¹	5
BM1004	Creativity, Innovation and Teamwork ¹	5
BM1007	Introduction to Health Science ¹	5
BM1008	Human Biology ¹	5
BM1009	Biological Chemistry 1 ¹	5
BM1010	Biological Chemistry 2 ¹	5
MA1001	Calculus for Science Part 1 ²	5
MA1002	Calculus for Science Part 2 ²	5
PY1008	Physics for Biomedical, Environmental, Food and Nutritional Sciences ²	10
Year 2		
Students take 60 credits as follows:		
<i>Core Modules</i>		
BM2003	Molecular Biology Principles ¹	5
BM2005	Bioanalytical Science ¹	5
BM2006	Introduction to Clinical Biochemistry ¹	5
BM2007	Haematology and Transfusion Science ¹	5
BM2008	Professional Practice ¹	5
AN2004	Human Histology ²	5
BC2001	Biomolecules ²	5
BC2002	Principles of Metabolic Pathways ²	5
MB2005	Fundamentals of Microbiology ²	5
MB2006	Principles of Microbiology ²	5
PL2021	Introductory Physiology I ²	5
PL2022	Introductory Physiology II ²	5
Year 3		
Students take 60 credits as follows:		
<i>Core Modules</i>		
BM3006	Pharmacology ¹	5
BM3007	Molecular Biology ¹	5
BM3008	Diagnostic Microbiology ¹	5
BM3009	Anaemia and Immunohaematology ¹	5
BM3013	Research and Professionalism ¹	5
MB3001	Medical Microbiology ²	5
MB3008	Immunology: Host Response to Pathogens. ²	5
MB3012	Transmission and Epidemiology of Infectious Diseases ²	5
BC3001	Structural and Experimental Biochemistry ²	5
BC3002	Advanced Metabolism in Health, Disease and Cancer ²	5
BC3004	Cell Signalling ²	5

BM3001	Cellular Pathology 1 ²	5
Year 4		
Students take 60 credits as follows:		
<i>Core Modules</i>		
BM4007	Cellular Pathology II ²	5
BM4009	Transfusion & Transplantation ¹	5
BM4010	Clinical Biochemistry ¹	5
BM4012	Quality Management Systems ¹	5
BM4013	Research Project ^{1,2}	15
BM4014	Statistics in Biomedical Science ¹	5
BM4015	Molecular Diagnostics ¹	5
BM4016	Haematology Disorders ¹	5
BM4017	Bioinformatics for Biomedical Science ¹	5
BM4018	Clinical Microbiology	5
Total Credits		240

¹ Module run by MTU as coordinating institution.

² Module run by UCC as coordinating institution.

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*.