INTERCALATED BSC (HONS) (PHARMACOLOGY)

Overview

NFQ Level 8, Major Award

Students who entered the University through the College of Medicine and Health may apply to take programmes in Science leading to the award of a BSc (Hons) Degree in one of Anatomy or Neuroscience (https://ucc-ie-public.courseleaf.com/programmes/bschan/), Biochemistry (https://ucc-ie-public.courseleaf.com/programmes/bschbc/), Pathology (Medical Microbiology) (https://ucc-ie-public.courseleaf.com/programmes/bschpm/), Pharmacology or Physiology (https://ucc-ie-public.courseleaf.com/programmes/bschpl/).

While pursuing any of the above programmes a student will not be permitted to pursue any other programmes (medical or otherwise).

With the approval of the Head of the Department of **Pharmacology and Therapeutics** and the College of Medicine and Health, a student who has passed the Third University Examination in Medicine and who has attained an aggregate mark of at least 60% thereat may proceed to a BSc (Hons) Degree by (a) satisfactorily pursuing modules in Pharmacology and cognate areas to the value of 60 credits as determined by the Programme Co-ordinator, and (b) reaching the required standard in the BSc (Hons) Degree Examination in Pharmacology.

Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

Programme Requirements

Code	Title	Credits
Students take **60** credits as follows – all listed core modules (**40** credits) and **20** credits of elective modules:		
Core Modules		
PT3002	Introduction to Toxicology	5
PT3005	Chemotherapy and Pharmacology of Inflammation	5
PT4005	Neuropharmacology	5
PT4010	Research Project (Intercalated BSc)	15
PT4011	Literature Research Project	5
PT4012	Applied Pharmacology & Toxicology	5
Elective Modules		
Students take modules to the value of **20** credits from the following: [1]		20
AN3011	Library Project (5)	
AN3013	Neurobiology of Disease (5)	
AN4009	Behavioural and Cognitive Neuroscience (5)	
AN4012	Medical Imaging and Biomedical Devices in the Neurosciences (5)	
AN4014	Advanced Research Methodology in Neuroscience (5)	
BC3004	Cell Signalling (5)	
BC3006	Molecular Biology (5)	
BC3007	Principles of Medical Genetics (5)	
BC3008	Biochemistry of the Central Nervous System (5)	
BC3009	Biophysical and Biochemical Methods (5)	
BC3010	Bioinformatics (5)	
BC4001	Advanced Cell Biology (5)	
BC4009	Cancer Biology (5)	
BC4011	Cell and Molecular Basis of Neurodegenerative disease (5)	
PL4006	Regulation of Epithelial Transport (5)	
PL4009	Applied Cardiovascular and Respiratory Physiology (5)	
PL4010	Control of Breathing in Health and Disease (5)	
PL4011	Learning and Memory (5)	
PL4012	Physiology of Calcium Signalling (5)	
PL4013	Physiology and Pathophysiology of Vascular Endothelium (5)	
PL4015	Microbiome and Physiology (5)	
Total Credits		**60**

[1] in agreement with the Programme Co-ordinator

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*.

Programme Learning Outcomes

Programme Learning Outcomes for BSc Intercalated (Pharmacology) (NFQ Level 8, Major Award)

On successful completion of this programme, students should be able to:

- Show knowledge and understanding of the core principles of pharmacology and toxicology;
- Integrate drug effects at cell, tissue and organism levels;
- Explain drug effects in the wider contexts of physiology, pathophysiology and related disciplines in management of human disease;
- Synthesize and evaluate the pharmacological literature on a specific topic;
- Plan, carry out and interpret pharmacological research using appropriate techniques;
- Demonstrate transferable skills for biomedical research, including initiative and personal responsibility, decision-making in complex situations, and communication of information, ideas, problems and solutions in various ways.